Your Digital Toolbox

Software, Tips, & Tricks for Web Developers (& Other Creatives)

R. Scott Granneman & Jans Carton

© 2016 R. Scott Granneman
Last updated 2020-06-17
You are free to use this work, with certain restrictions.
For full licensing information, please see the last slide/page.

Notes & URLs for this presentation can be found...

- » underneath the link to this slide show on granneman.com
- » at files.granneman.com/presentations/webdev/Your-Digital-Toolbox-Software-Tips-Tricks-for-Web-Developers-(-Other-Creatives).txt

Introductory

Modifier Keys

⌘ Command	⇥ Tab	→ Right
⌥ Option or Alt	fn Function	← Left
^ Control	⌫ Delete	↑ Up
⇧ Shift	↩ Return	↓ Down
⎋ Escape		

Keyboard

⊞ Windows

⎇/`Alt` Alt

^/`Ctrl` Control

⇧ Shift

⎋ Escape

⇥ Tab

`fn` Function

⌫ Backspace

↵ Enter

≣ Menu

→ Right

← Left

↑ Up

↓ Down

⊞ Keyboard

Bits & Bytes

1 bit	b	1 binary digit (`1` or `0`)
1 byte	B	8 bits
1 kilobyte	KB	1024 bytes
1 megabyte	M	1024 kilobytes
1 gigabyte	GB	1024 megabytes
1 terabyte	TB	1024 gigabytes
1 petabyte	PB	1024 terabytes
1 exabyte	EB	1024 petabytes
1 zettabyte	ZB	1024 exabytes
1 yottabyte	YB	1024 zettabytes

The problem: 1 MB (megabyte) was always 1,048,576 (2^{20}) bytes

But most people (non-nerds) thought that 1 MB is 1,000,000 (10^6) bytes

Same thing for all the other prefixes

The solution?

Redefine *kilobyte*, *megabyte*, *gigabyte* & so on to mean what non-nerds think they mean

Require nerds to learn & use new terms for the old numbers

Megabyte	Mebibyte
=	=
1000^2 bytes	1024^2 bytes
=	=
10^6 bytes	2^{20} bytes
=	=
1,000,000 bytes	1,048,576 bytes

Decimal (Old Terms, New Values)			Binary (New Terms, Old Values)		
kilobyte (kb)	10^3	1,000	kibibyte (kib)	2^{10}	1,024
megabyte (MB)	10^6	1,000,000	mebibyte (MiB)	2^{20}	1,048,576
gigabyte (GB)	10^9	1,000,000,000	gibibyte (GiB)	2^{30}	1,073,741,824
terabyte (TB)	10^{12}	1,000,000,000,000	tebibyte (TiB)	2^{40}	1,099,511,627,776
petabyte (PB)	10^{15}	1,000,000,000,000,000	pebibyte (PiB)	2^{50}	1,125,899,906,842,620

Prefix	Power	Decimal	Name
	10^0	1	one
kilo	10^3	1,000	thousand
mega	10^6	1,000,000	million
giga	10^9	1,000,000,000	billion
tera	10^{12}	1,000,000,000,000	trillion
peta	10^{15}	1,000,000,000,000,000	quadrillion
exa	10^{18}	1,000,000,000,000,000,000	quintillion
zetta	10^{21}	1,000,000,000,000,000,000,000	sextillion
yotta	10^{24}	1,000,000,000,000,000,000,000,000	septillion

Networking

Packets

When you transfer something on the Internet, your device breaks it up into formatted blocks of data called *packets*

When you receive something, your device takes the packets & reassembles them into an email, webpage, or video

Why use packets?

More efficient & reliable transmissions

Header	96 bits	Sender IP address Recipient IP address Protocol Packet number
Payload	896 bits	Data
Trailer	32 bits	Indicates packet end Error correction

Most packets are 1 KiB (1024 bits), divided into 3 parts

Send a 2.6 KiB (2662 bit) mail?
2600/896 = 3 packets

View the Saint Louis Zoo home page?
1.1 MiB = 9,227,469 bits
9,227,469/896 = 10,299 packets

Stream an 1.5 hr HD movie on Netflix?
1.5 GiB = 12,884,901,888 bits
12,884,901,888/896 = 14,380,471 packets

Protocols

“…a set of rules which is used by computers to communicate with each other across a network.”
—Wikipedia

Sample protocols

AppleTalk
1985–2009

NetBIOS Frames
Windows, 1985–2001

SMB (Server Message Block), now CIFS (Common Internet File System)
Windows, macOS, & Linux, 1983–Now

WIKIPEDIA
The Free Encyclopedia

Main page
Contents
Featured content
Current events
Random article
Donate to Wikipedia
Wikipedia store

Interaction
Help
About Wikipedia
Community portal
Recent changes
Contact page

Tools
What links here
Related changes
Upload file
Special pages
Permanent link
Page information
Wikidata item
Cite this page

Print/export
Create a book
Download as PDF

Lists of network protocols

From Wikipedia, the free encyclopedia

The following articles contain lists of network protocols in various formats.

- Protocol stack: List of network protocol stacks
- WIFI/WIMAX Protocols
- Bluetooth protocol
- Fibre Channel network protocols
- Internet Protocol Suite or TCP/IP model or TCP/IP stack
- OSI protocols family of information exchange standards developed jointly by the ISO and the ITU-T
- Routing protocols
- List of IP protocol numbers, protocol numbers used in the Protocol field of the IPv4 header and the Next Header field of IPv6 header
- Yahoo! Messenger, underlying protocol used by the Yahoo messenger
- RTPS protocol, an interoperability protocol
- SSH Secure Shell
- SMB Server Message Block, one version of which was also known as CIFS (Common Internet File System)
- FTP File Transfer Protocol
- SMTP Simple Mail Transfer Protocol
- TCP Transmission Control Protocol
- Telnet Telephone Network
- HTTP Hyper Text Transfer Protocol
- HTTPs Secure Hyper Text Transfer Protocol
- POP Post Office Protocol
- HTCPCP Hyper Text Coffee Pot Control Protocol

WIKIPEDIA
The Free Encyclopedia

Main page
Contents
Featured content
Current events
Random article
Donate to Wikipedia
Wikipedia store

Interaction
Help
About Wikipedia
Community portal
Recent changes
Contact page

Tools
What links here
Related changes
Upload file
Special pages
Permanent link
Page information
Wikidata item
Cite this page

Print/export
Create a book
Download as PDF

List of network protocol stacks

From Wikipedia, the free encyclopedia

Computer networks may be implemented using a variety of protocol stack architectures, computer buses or combinations of media and protocol layers, incorporating one or more of:

- ARCNET
- AppleTalk
- ATM
- Bluetooth
- DECnet
- Ethernet
- FDDI
- Frame relay
- HIPPI
- IEEE 1394 aka FireWire, iLink
- IEEE 802.11 aka Wireless LAN (Wi-Fi certification)
- IEEE-488
- Internet protocol suite
- IPX
- Myrinet
- OSI protocol suite
- QsNet
- SPX
- System Network Architecture

Connection Types

Protocols, by connection type

» Connection-oriented
» Connectionless-oriented

Connection-oriented	Connectionless-oriented
Assumes communication errors	Assumes no, or unimportant, errors
Designed for error-free transmissions	Faster because no error correction
If error detected, re-transmit	Ignore errors: not every packet matter & error checking degrades signal
Protocol: TCP	Protocol: UDP
Apps: Email, Web	Apps: VoIP

TCP/IP

The two central Internet protocols:

» *TCP* (Transmission Control Protocol): checks to make sure packets are delivered reliably
» *IP* (Internet Protocol): tells packets where to go

HTTP	Hypertext Transfer Protocol
FTP	File Transfer Protocol
SMTP	Simple Mail Transfer Protocol
POP3	Post Office Protocol
IMAP	Internet Messaging Application Protocol
SSH	Secure Shell
DNS	Domain Naming Service

Many other protocols ride *on top of* TCP/IP

IP Addresses

IP address

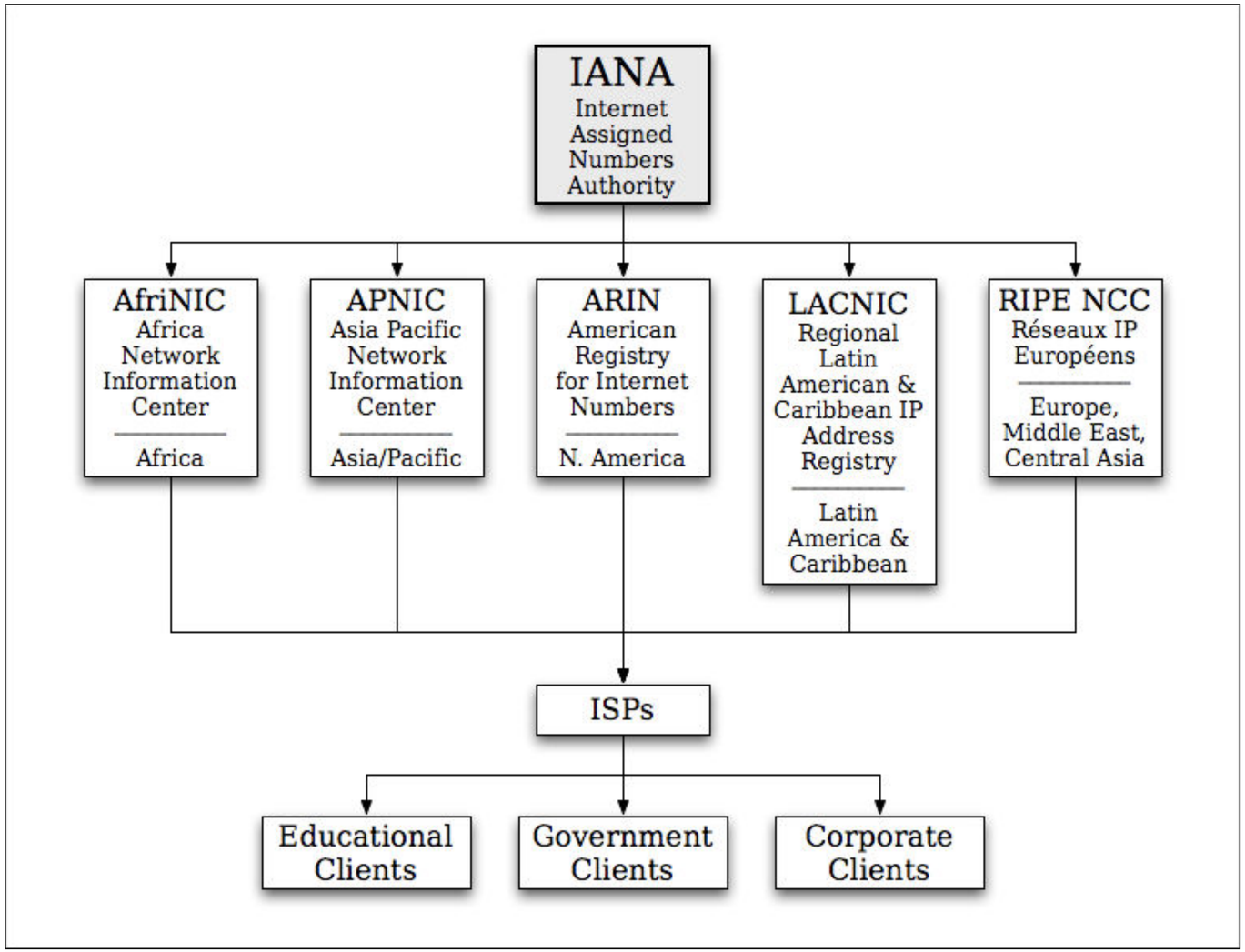
Unique number that identifies device on an IP network

Like a street address, phone number, or email address

4 octets, each 0–255

Examples:

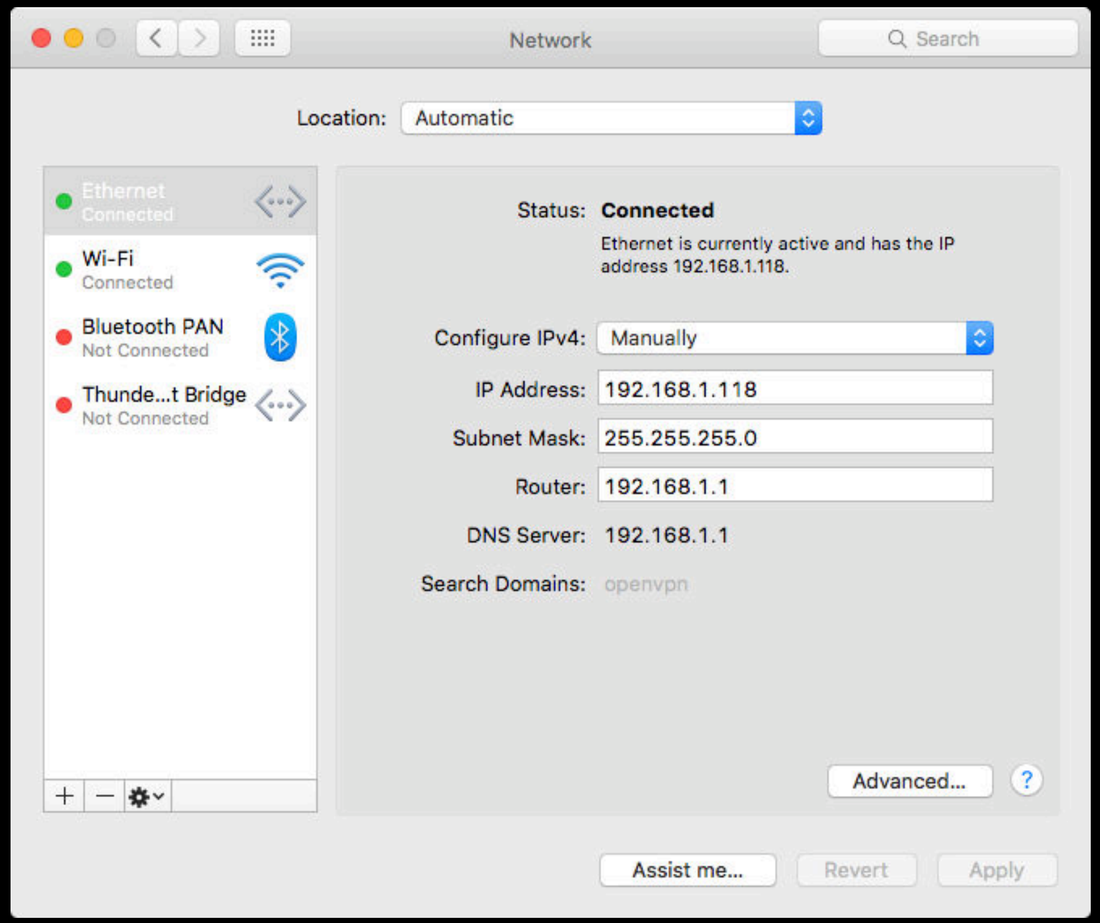
- `0.0.0.0`
- `216.23.180.5`
- `192.168.0.25`
- `255.255.255.255`



Organizations that hand out IP addresses

2 ways a device can get an IP address

1. Manually assign a static IP address to a device
2. Automatically acquire an IP address from a *DHCP* server



Manually set IP address in Network Control Panel or System Preferences

Problems

» Tedious
» Error-prone
» Only OK for a very small number (<10) of devices

DHCP (Dynamic Host Configuration Protocol)

Server assigns dynamic IP addresses from a *pool* (e.g., `192.168.0.100–192.168.0.125`)

Ensures all IPs are unique

Server assigns IP address for a lease: a limited period of time ranging from a few hours to a few weeks

DHCP Process

1. Computer boots or connects
2. Computer sends out request to DHCP server
3. DHCP server assigns IP address from pool, as well as DNS, gateway, & subnet mask
4. At end of lease, request repeats

IPv4 & IPv6

IPv4 is current standard

`0–255.0–255.0–255.0–255` gives 2^{32} possibilities: 4,294,967,296

That seemed like a lot in 1981

We’re running out of IP addresses

~18 million used for private networks

Early on, certain organizations were assigned huge *Class A* blocks of 16,777,214 addresses … or more!

3.x.x.x

9.x.x.x

32.x.x.x

17.x.x.x

36.x.x.x

6.x.x.x
7.x.x.x
11.x.x.x
21.x.x.x
22.x.x.x
26.x.x.x
28.x.x.x
29.x.x.x
30.x.x.x
33.x.x.x
55.x.x.x
214.x.x.x
215.x.x.x

218,103,782!

6.x.x.x
7.x.x.x
11.x.x.x
21.x.x.x
22.x.x.x
26.x.x.x
28.x.x.x
29.x.x.x
30.x.x.x
33.x.x.x
55.x.x.x
214.x.x.x
215.x.x.x

61.x.x.x
202.x.x.x
203.x.x.x
210.x.x.x
211.x.x.x

83,886,070

61.x.x.x
202.x.x.x
203.x.x.x
210.x.x.x
211.x.x.x

As a result of *IPv4 address exhaustion*, we are going to have to move to *IPv6*

IPv6 uses 8 groups of 4 hexadecimal digits (`0–F`), separated by colons (`:`)

Examples:

- `2001:0db8:0000:0000:0000:0000:1428:57ab`
- `20a1:0db8:85a3:0042:1000:8a2e:0370:7334`
- `FEDC:BA98:7654:3210:FEDC:BA98:7654:3210`

`0–F:0–F:0–F:0–F:0–F:0–F:0–F:0–F` gives 2^{128} possibilities: 3.403×10^{38} IPs

340,282,366,920,938,463,463,374,607,431,768,211,456

That's 40,000 IPv6 addresses for every atom on the surface of the earth!

Special IP Addresses

Most IP addresses are *public*

Devices with public addresses are directly connected to the Net

There are other kinds of addresses, however:

» *Private* addresses

» `localhost`

IP Addresses	# of IPs
`192.168.x.x`	65,536
`172.16.x.x–172.31.255.255`	1,048,576
`10.x.x.x`	16,777,216

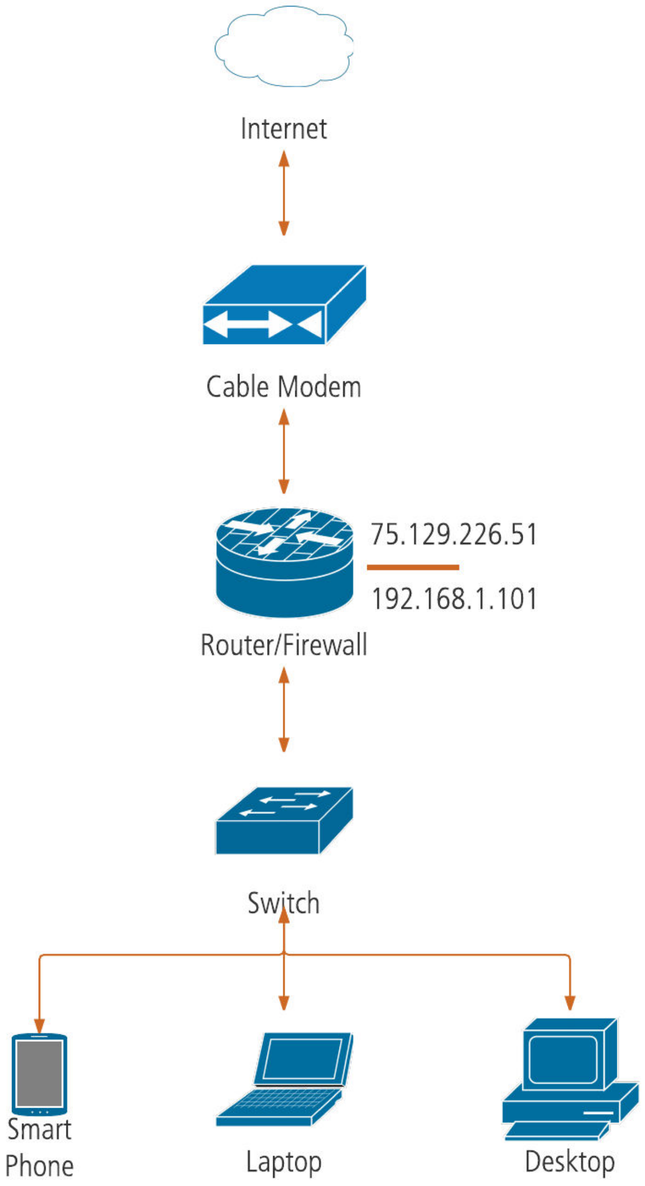
Private IP addresses: ranges of IP addresses for internal networks only

Routers discard packets containing private IPs

Device with private addresses can’t be directly connected to the Net like those with public addresses can

Computers with private addresses can still use the Net, however

How is this done?



NAT (Network Address Translation, AKA *network masquerading*)

Router re-writes source and/or destination address

Shields private network from public Internet

Localhost IP address (AKA *loopback*)

IP address that every IP device in the world uses to refer to itself

Always `127.0.0.1`

Computer equivalent of “me”

2. virgil:/Users/rsgranne (bash)

```
rsgranne@virgil:~
$ ifconfig
lo0: flags=8049<UP,LOOPBACK,RUNNING,MULTICAST> mtu 16384
        options=3<RXCSUM,TXCSUM>
        inet6 ::1 prefixlen 128
        inet 127.0.0.1 netmask 0xff000000
        inet6 fe80::1%lo0 prefixlen 64 scopeid 0x1
        nd6 options=1<PERFORMNUD>
gif0: flags=8010<POINTOPOINT,MULTICAST> mtu 1280
stf0: flags=0<> mtu 1280
en0: flags=8863<UP,BROADCAST,SMART,RUNNING,SIMPLEX,MULTICAST> mtu 1500
        ether 14:10:9f:d4:73:03
        inet6 fe80::1610:9fff:fed4:7303%en0 prefixlen 64 scopeid 0x4
        inet 192.168.1.101 netmask 0xffffff00 broadcast 192.168.1.255
        nd6 options=1<PERFORMNUD>
        media: autoselect
        status: active
en3: flags=8963<UP,BROADCAST,SMART,RUNNING,PROMISC,SIMPLEX,MULTICAST> mtu 1500
        options=60<TSO4,TSO6>
        ether 32:00:18:71:3a:40
        media: autoselect <full-duplex>
        status: inactive
en4: flags=8963<UP,BROADCAST,SMART,RUNNING,PROMISC,SIMPLEX,MULTICAST> mtu 1500
        options=60<TSO4,TSO6>
        ether 32:00:18:71:3a:41
        media: autoselect <full-duplex>
        status: inactive
bridge0: flags=8822<BROADCAST,SMART,SIMPLEX,MULTICAST> mtu 1500
        options=63<RXCSUM,TXCSUM,TSO4,TSO6>
        ether 16:10:9f:4d:34:00
```

What is the Internet?

Now let’s branch out to the Internet, the network of networks that unites the world

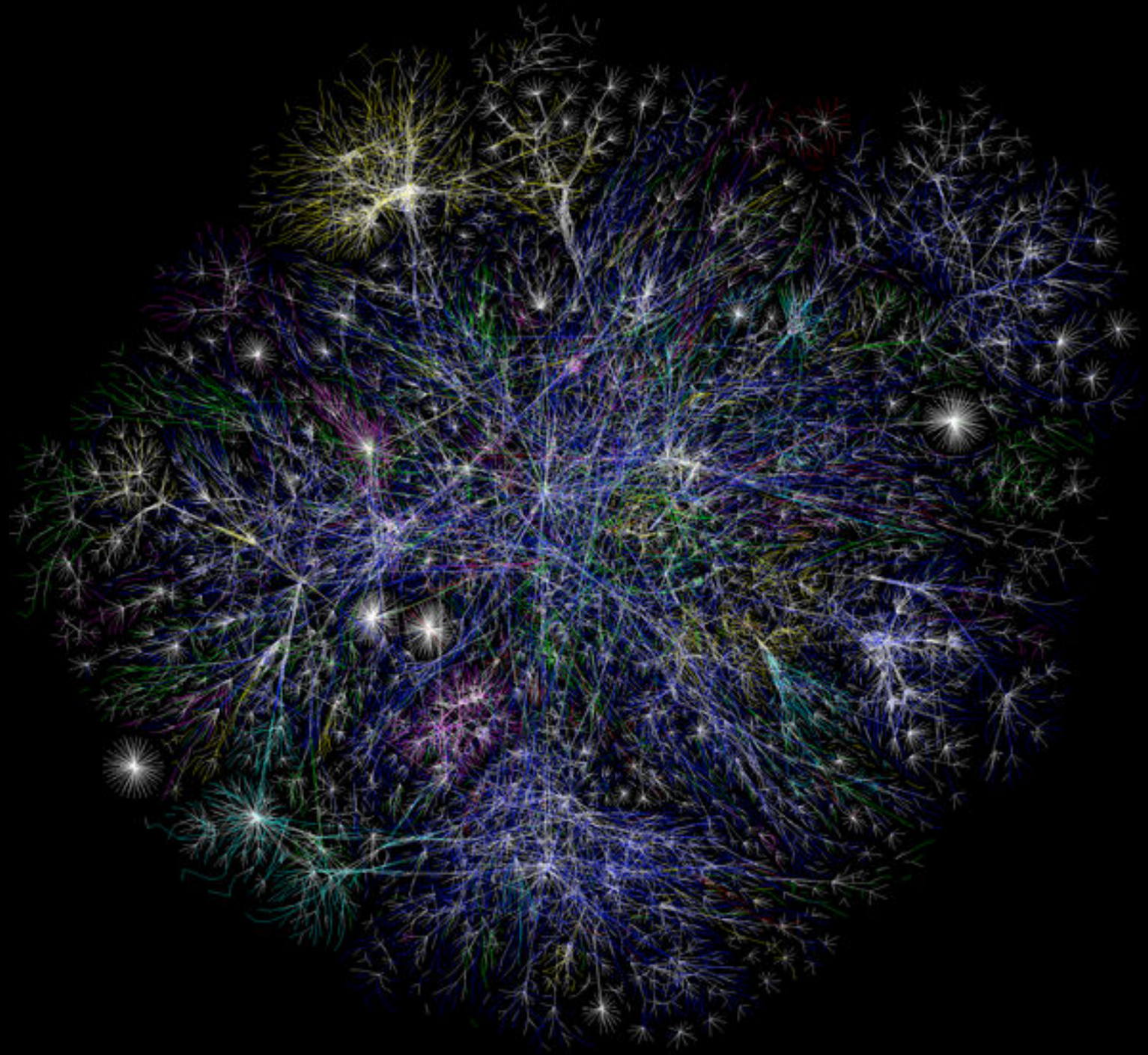
Uses TCP/IP & provides many different services:

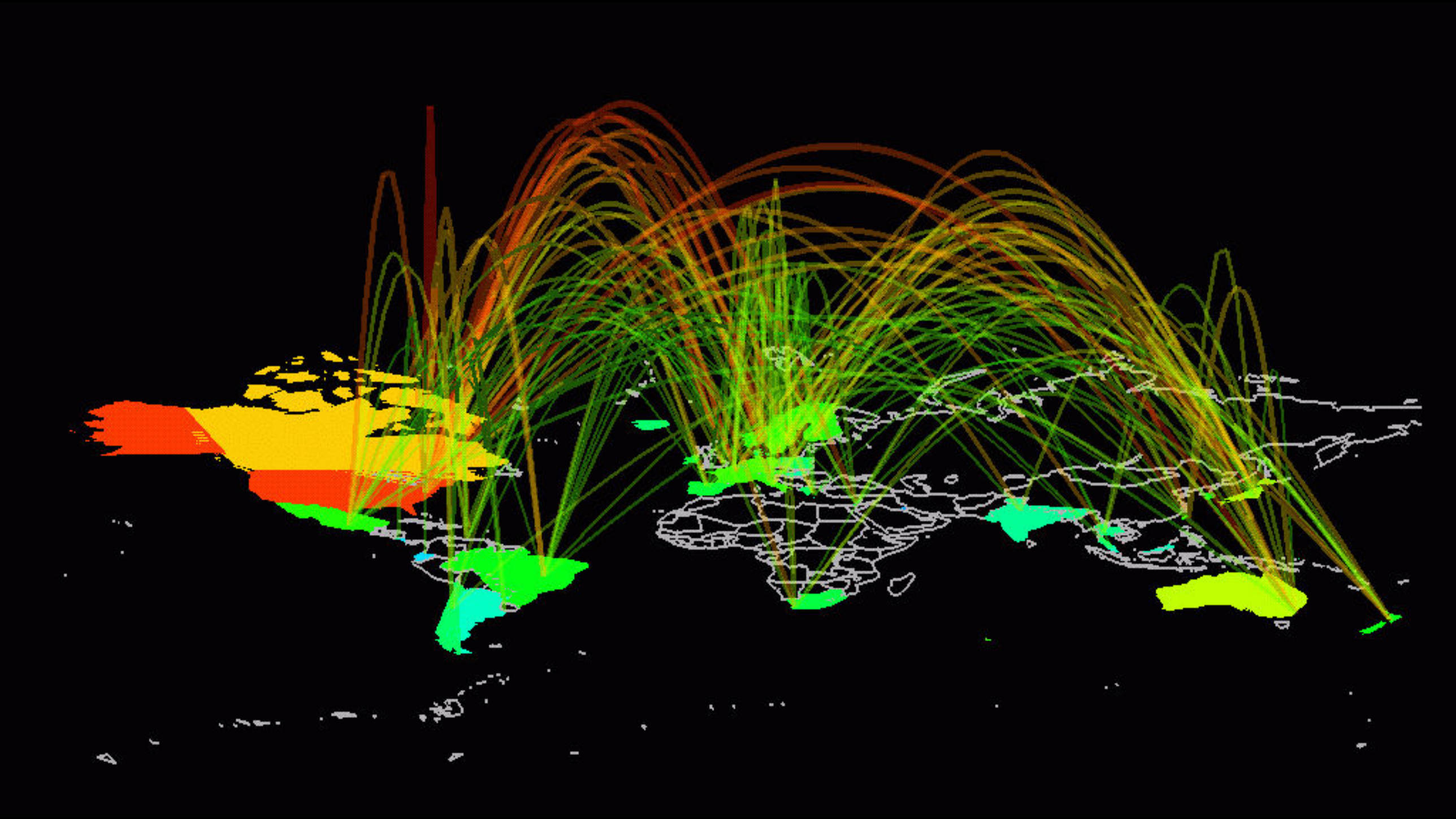
» Web
» email
» FTP
» VoIP
» messaging
» file sharing

Internet ≠ Web!

Web: interconnected documents linked by URLs

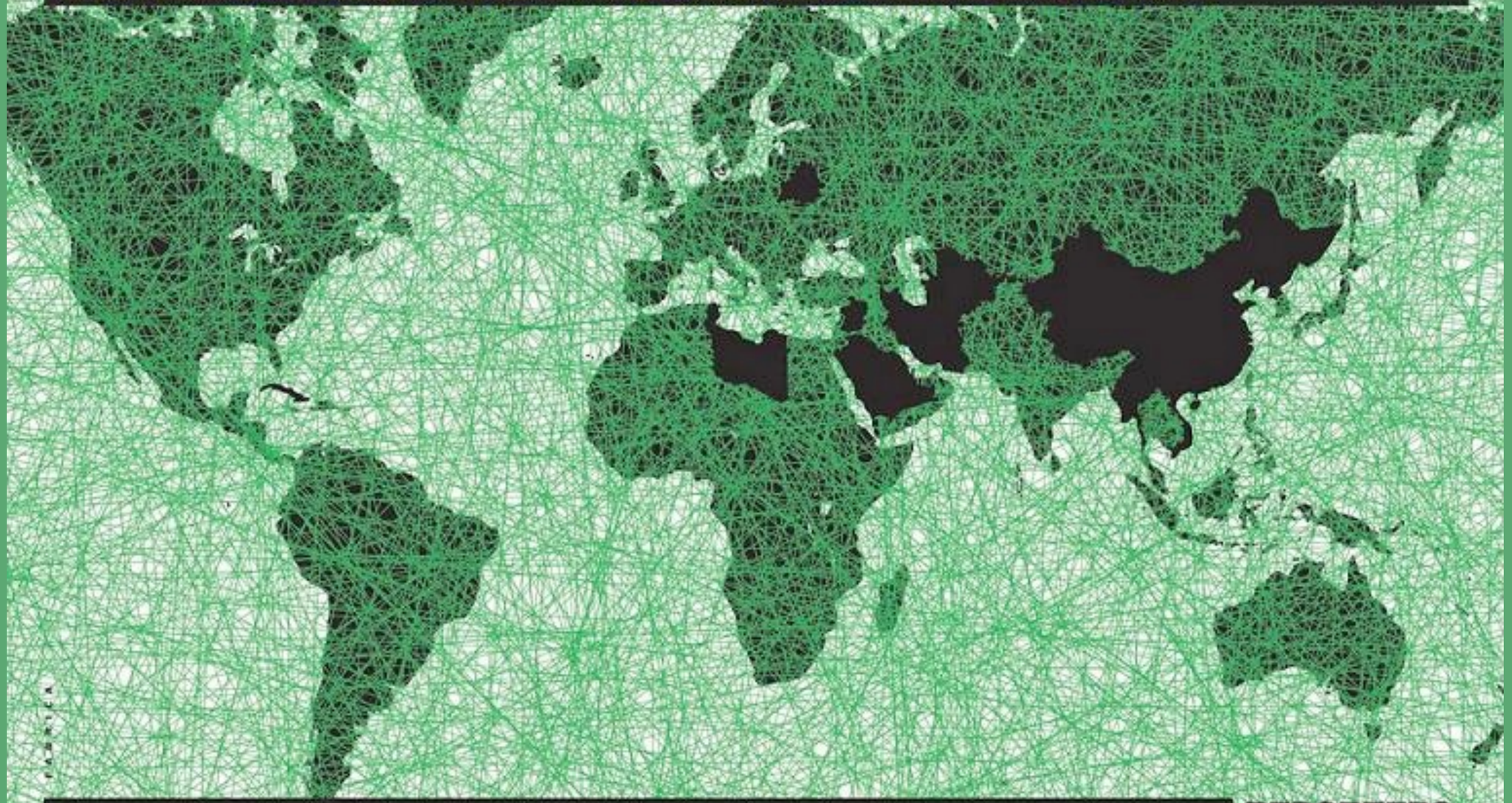
Internet: interconnected networks linked by media (e.g., ethernet & Wi-Fi)





THE INTERNET'S "BLACK HOLES"

Belarus, Burma, China, Cuba, Iran, Libya, Maldives, Nepal, North Korea, Saudi Arabia, Syria, Tunisia, Turkmenistan, Uzbekistan and Vietnam



Fifteen countries are black holes in the World Wide Web. News is not free to circulate there. These enemies of the Internet are nonetheless here in Tunis and are talking without any shame about freedom of expression. www.rsf.org

REPORTERS WITHOUT BORDERS
FOR PRESS FREEDOM

Global Internet Map

First Edition – June 2005

Produced by:

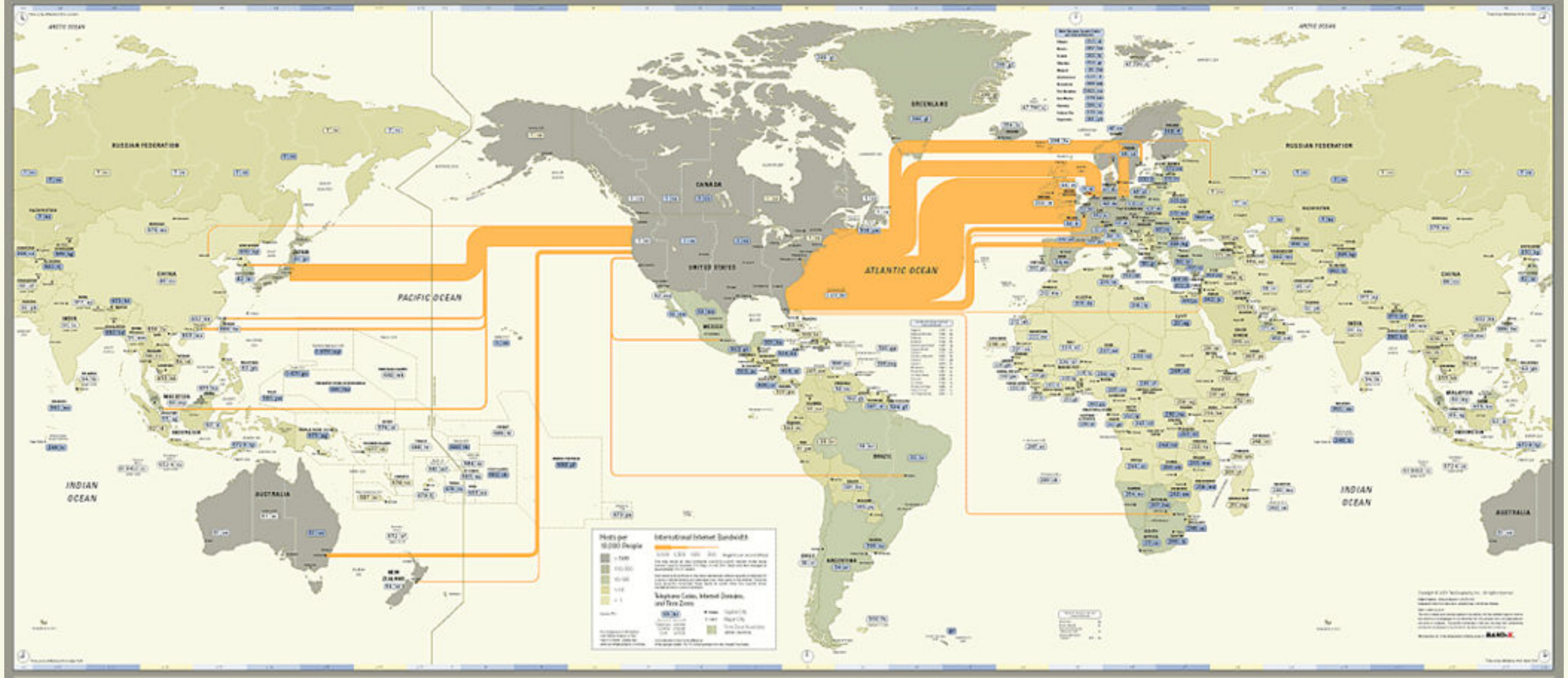
TeleGeography, Inc.

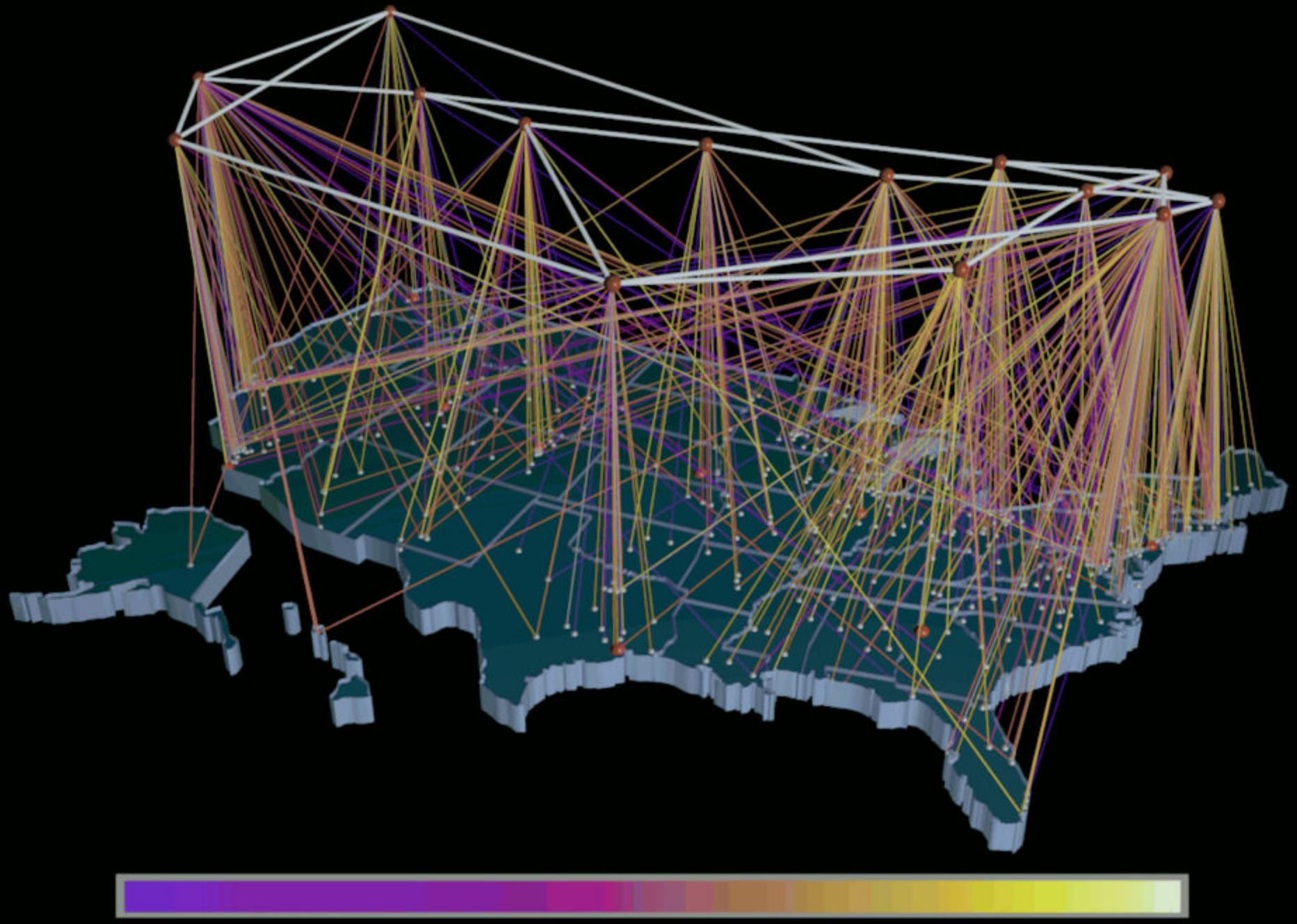
The Source for International Telecom Statistics and Analysis

Sponsored by:

TELIA

www.telia.com



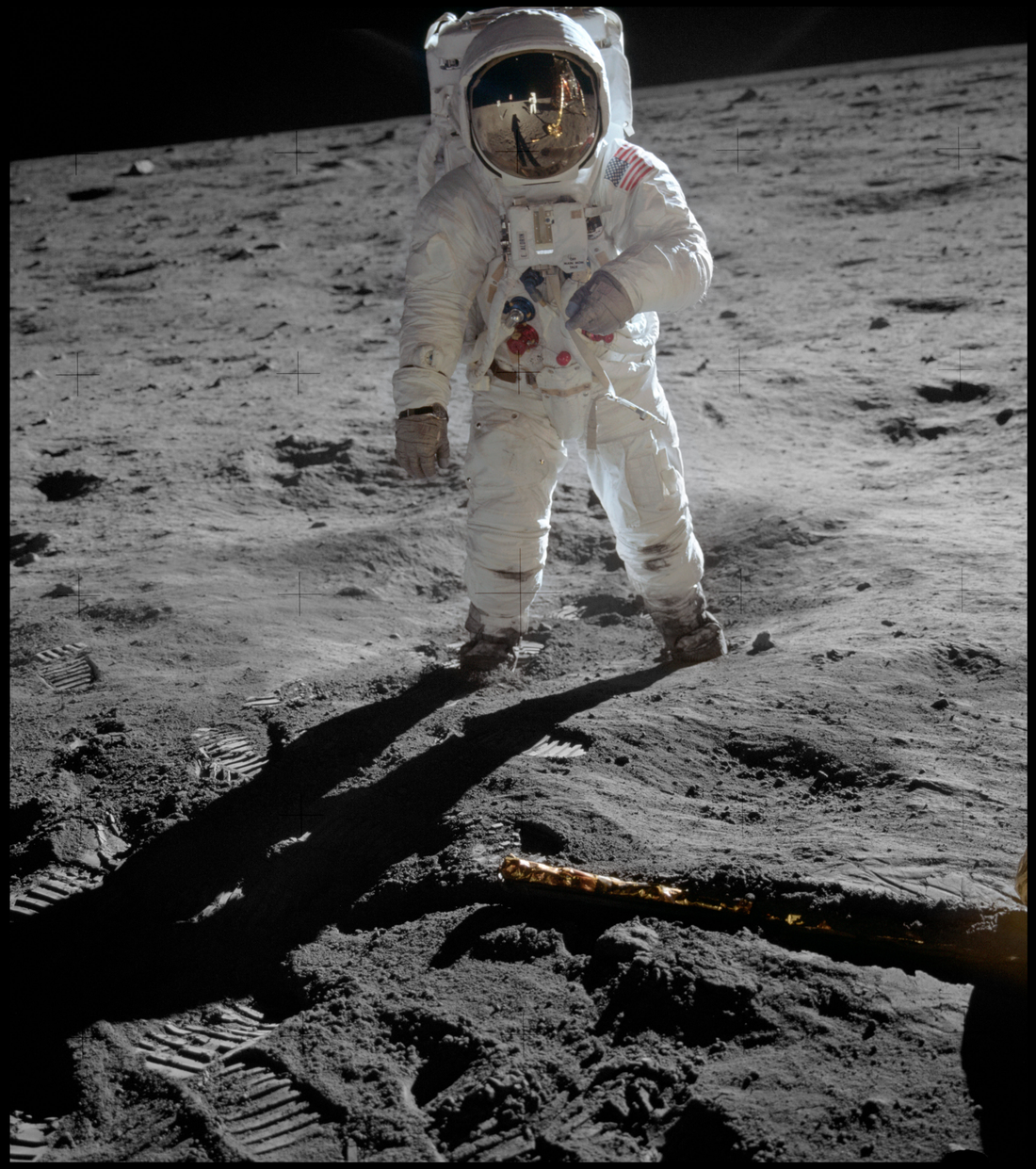


History

1969

1969

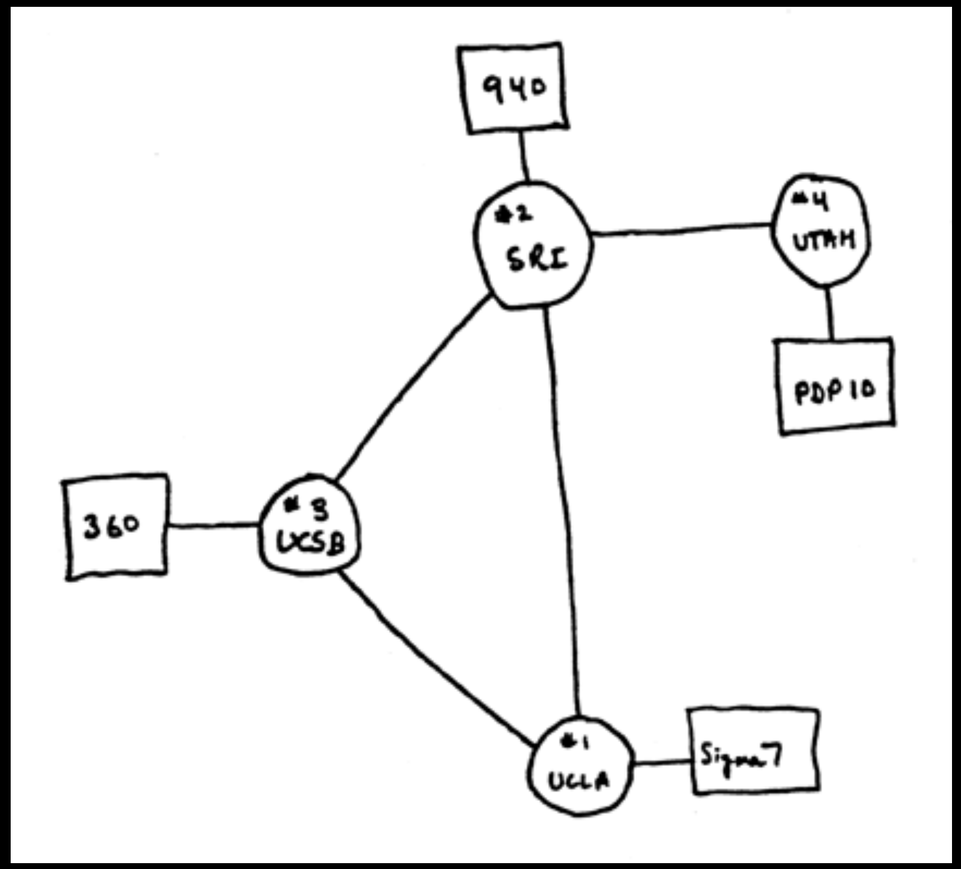
January: Bolt, Beranek, & Newman hired by DARPA (*Defense Advanced Research Projects Agency*, part of the US Dept. of Defense) to create the ARPAnet, forerunner of the Internet

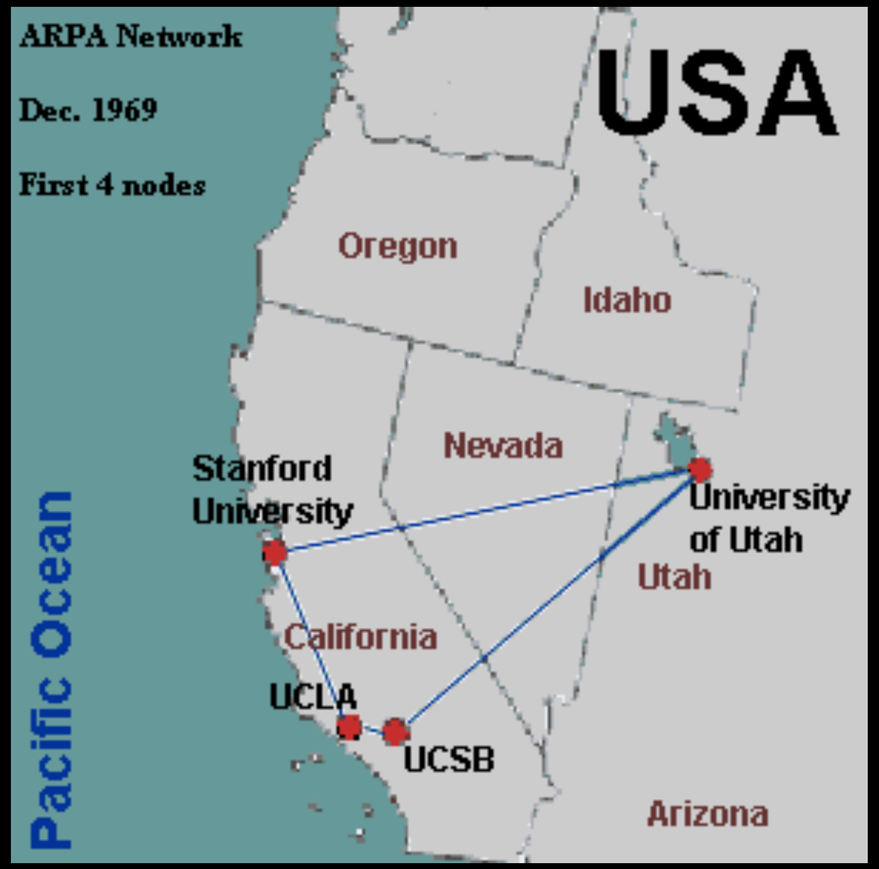


July 21, 2:56 UTC: Neil Armstrong steps onto the moon

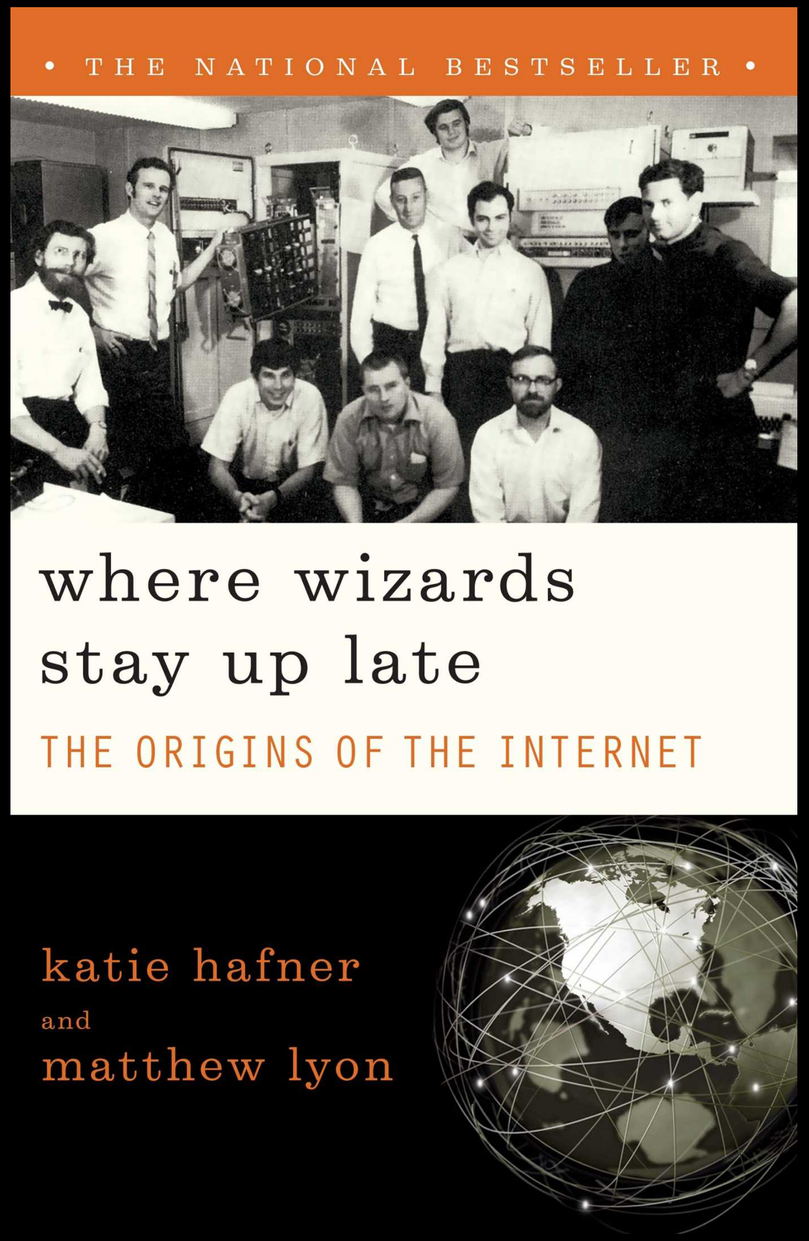
1969

August: UNIX operating system created at AT&T's Bell Telephone Labs for DEC PDP-7 by Ken Thompson & Dennis Ritchie





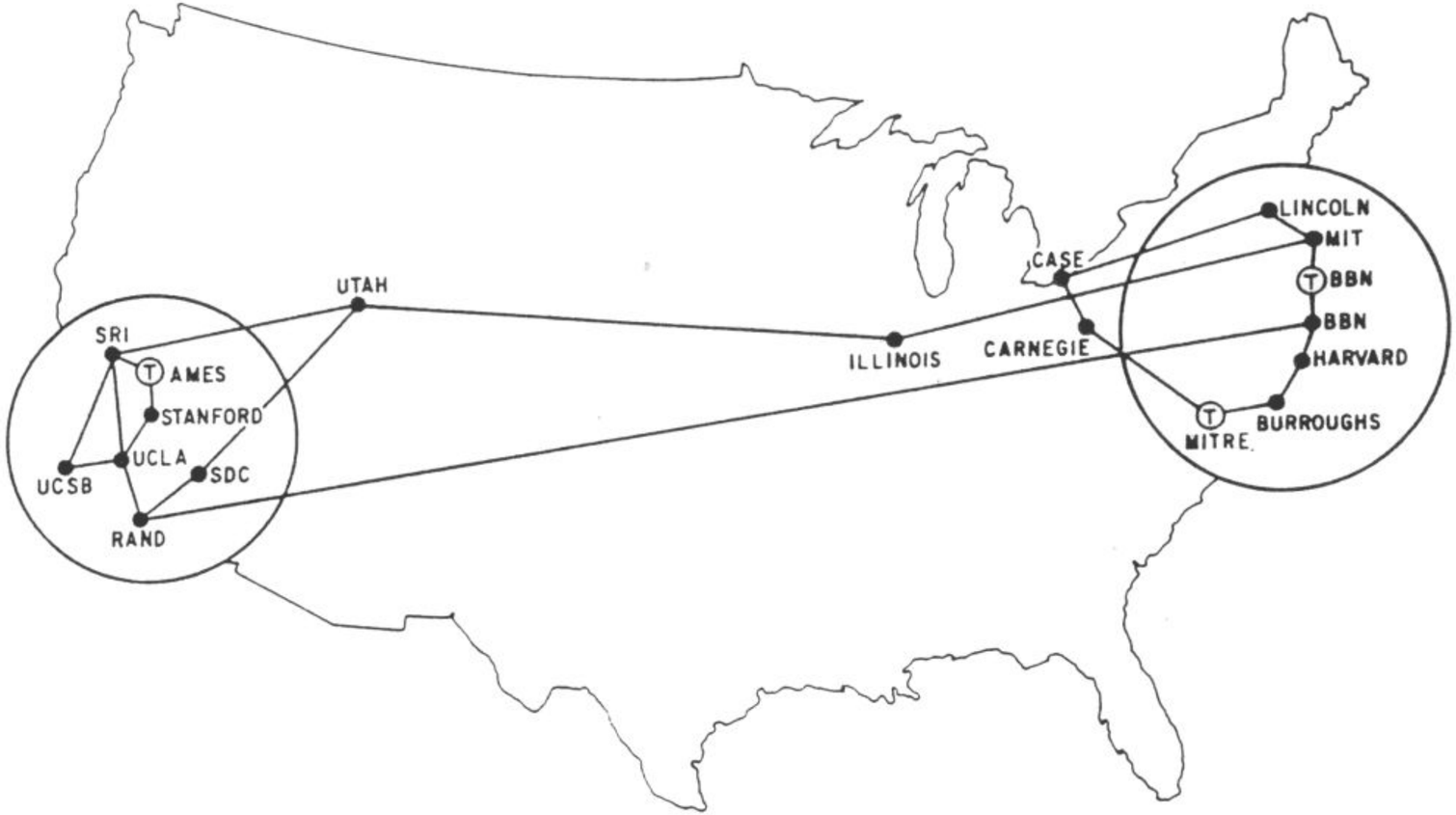
December: 4 nodes on ARPAnet (UCLA, SRI, UCSB, & U. of Utah)



Excellent, non-technical history of the visionaries who created the ARPAnet

Katie Hafner & Matthew Lyon's *Where Wizards Stay Up Late*

1971



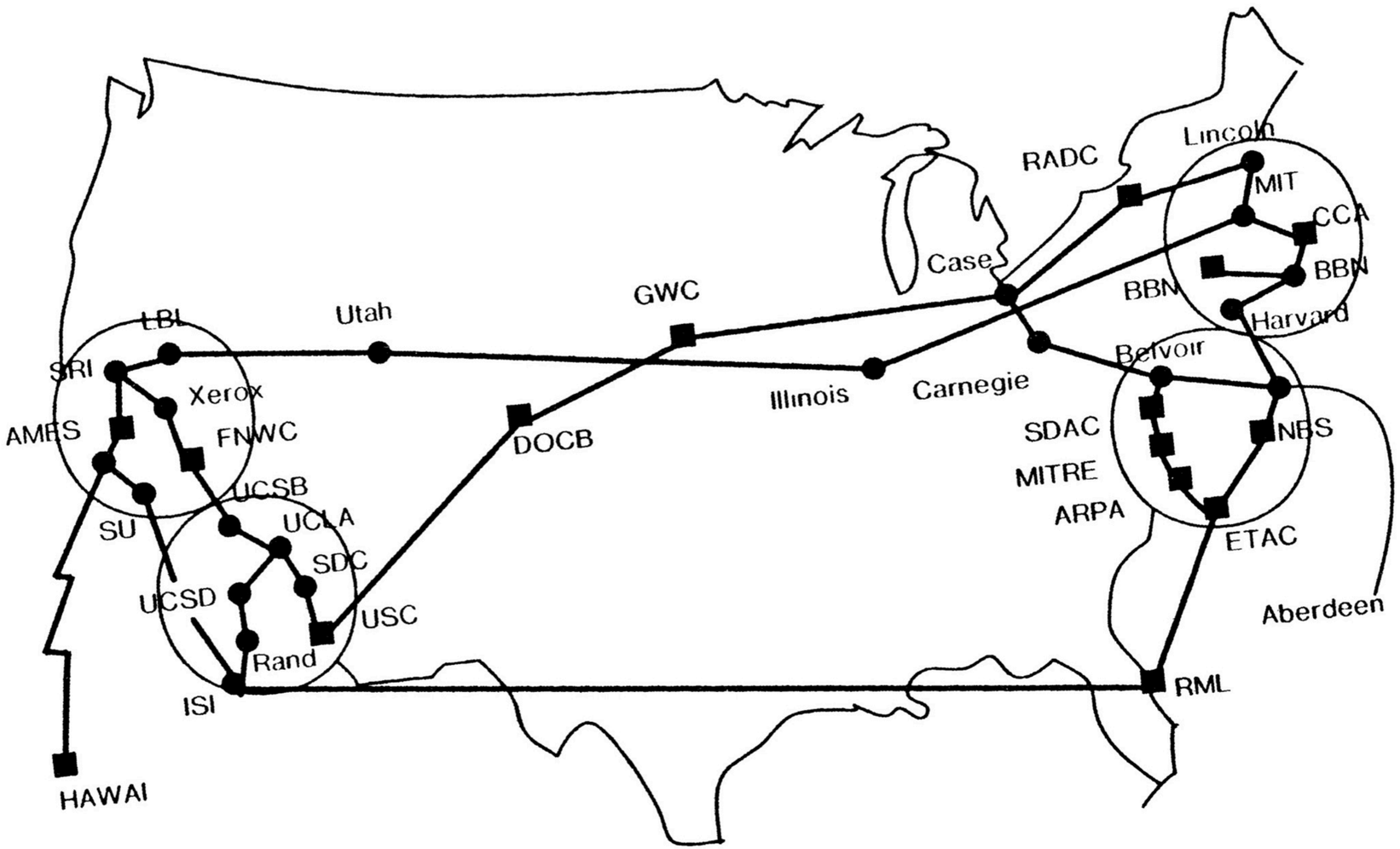
MAP 4 September 1971

September: 15 nodes on the ARPAnet

1971

Late in 1971: Email invented & sent by Ray Tomlinson

1973



May: ARPAnet up to 36 nodes

Email is 75% of ARPAnet's traffic

`hubhost!middlehost!edgehost!user@uucpgateway.somedomain.example.com`

1974

1974: TCP designed

1982: ARPA & DoD mandate TCP/IP as protocols for ARPANET

1984: DNS introduced

1985: 1st registered domain name: `symbolics.com`

1990

» ARPANET ceases to exist

» 1st commercial dial-up ISP: The World

1991: Tim Berners-Lee invents World Wide Web

1992: 1,000,000 hosts on Net

1994

» 1st e-commerce
» 1st spam by Canter & Siegel
» 1st cyberbank
» 1st banner ads on Wired's website

1995

» Streaming audio via RealAudio
» WWW the #1 use of the Net
» Netscape IPO starts dot-com craze

1998

» Google incorporated

2000: Napster sued

2001: Viruses & worms sweep Net, targeting Microsoft's software

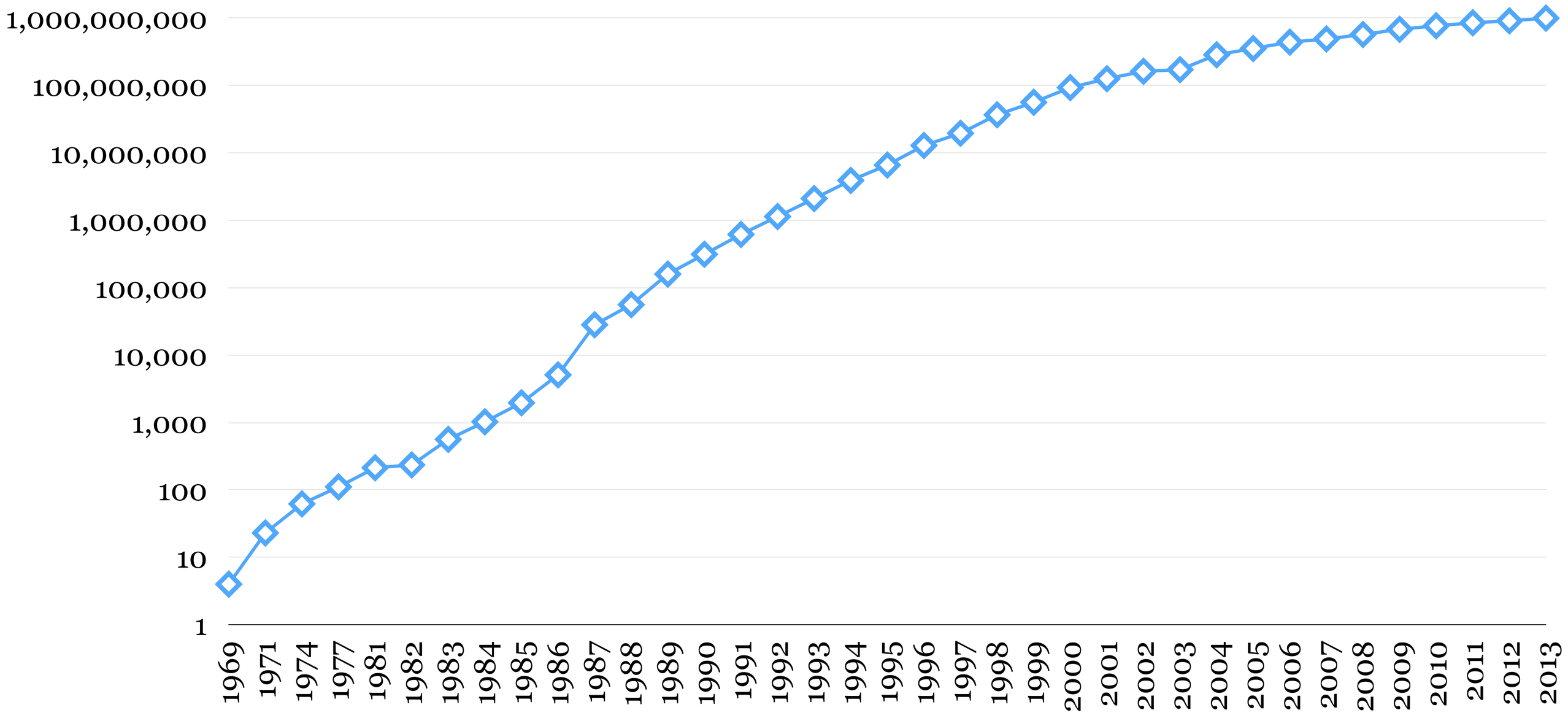
2002: Blogging takes off

2003

» SQL Slammer worm spreads worldwide in 10 minutes

» RIAA sues file sharers

Number of Internet Hosts



July 25, 2008: Google announces it has indexed 1 trillion unique URLs

September 24, 2012

142,038,482 active domains

~74% are .com

~84,234 registered every day

OSI Model

Lots of things have 7 layers

Taco Bell’s 7 Layer Burrito

Refried beans
Seasoned rice
Lettuce
Tomatoes
Guacamole
Cheese
Sour cream

Big Mac

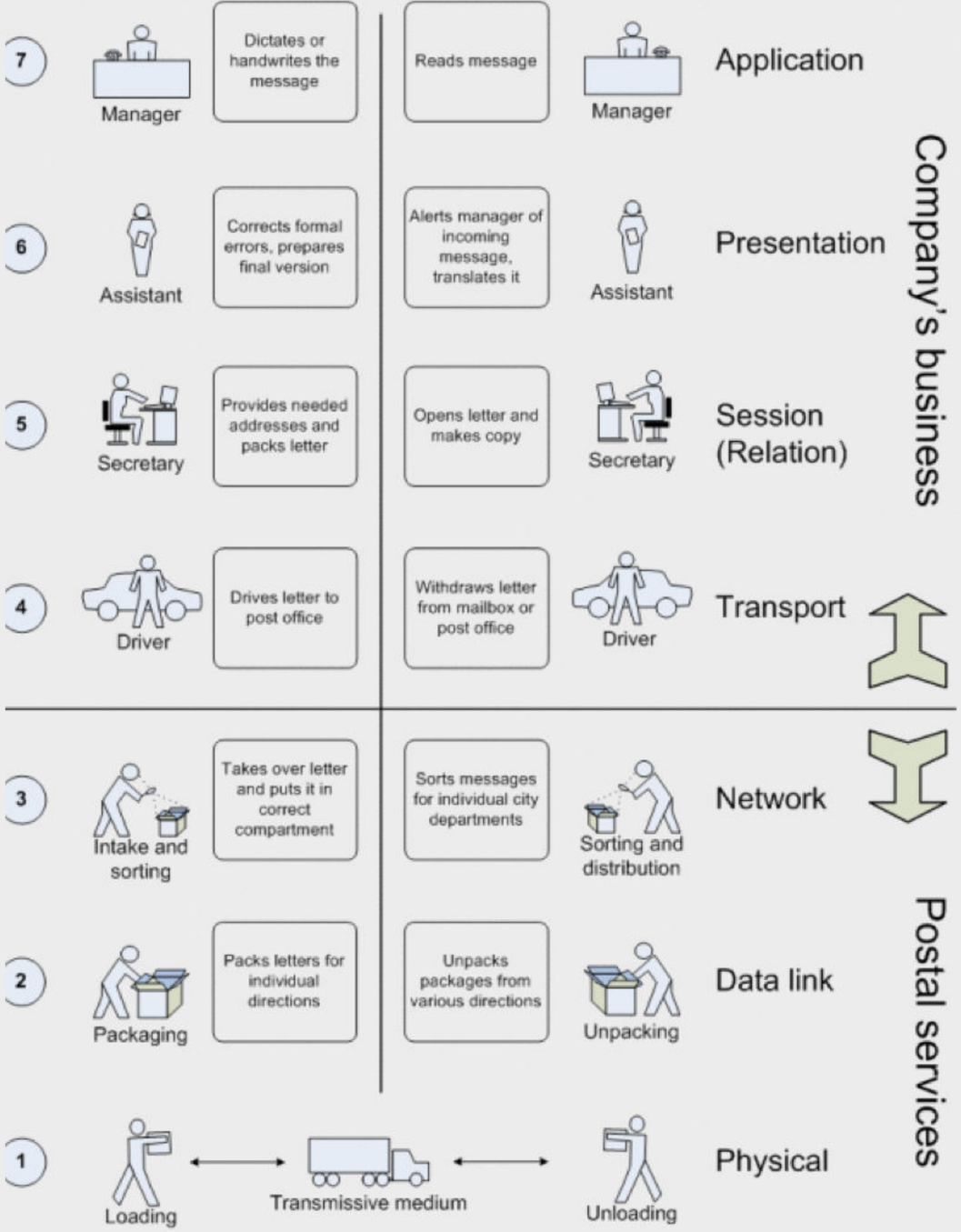
Two all-beef patties
Special sauce
Lettuce
Cheese
Pickles
Onions
Sesame-seed bun

ISO OSI model (International Standards Organization Open Systems Interconnection) defines how computers communicate over a network

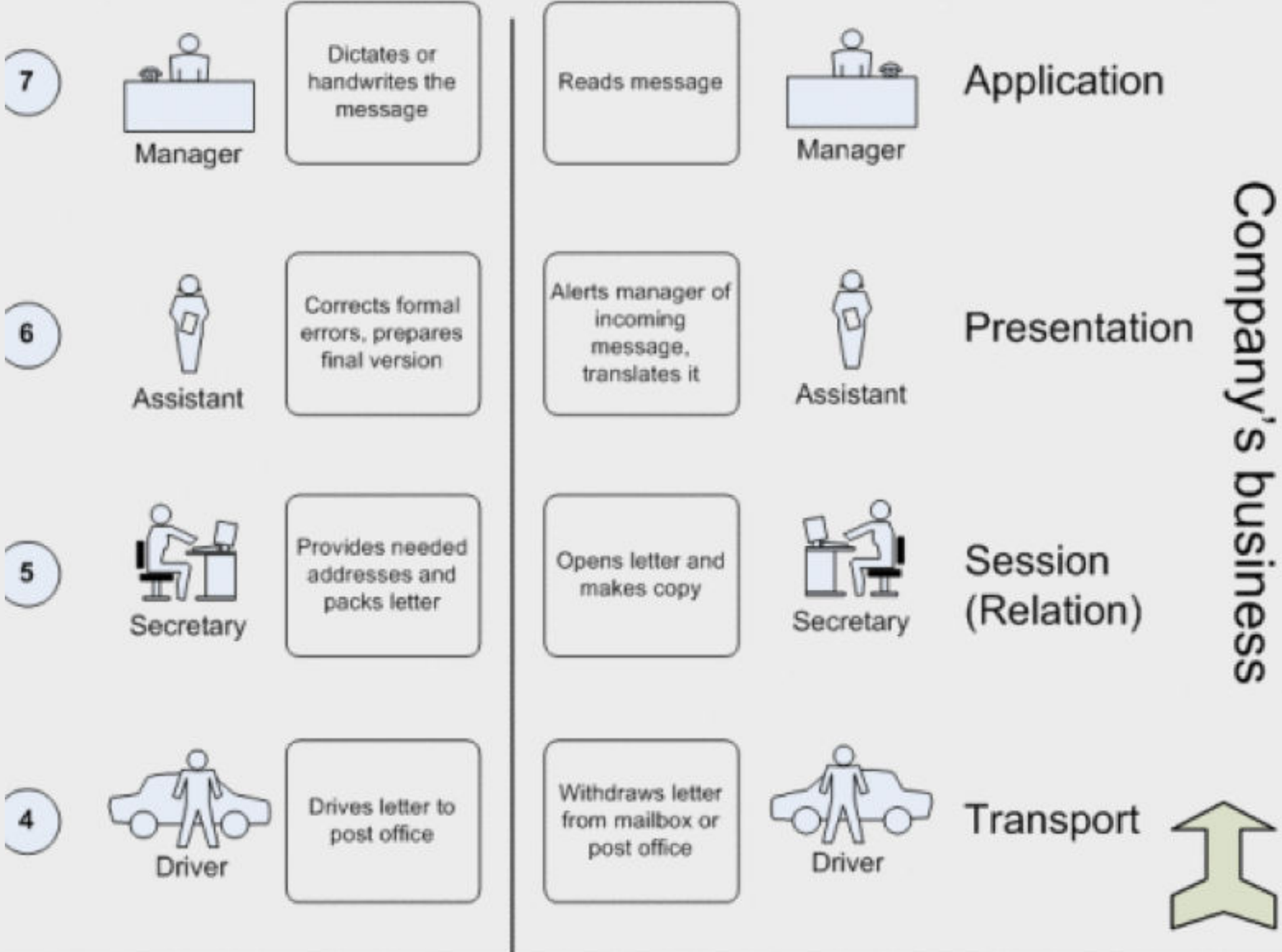
OSI Model divides the process into 7 connected layers

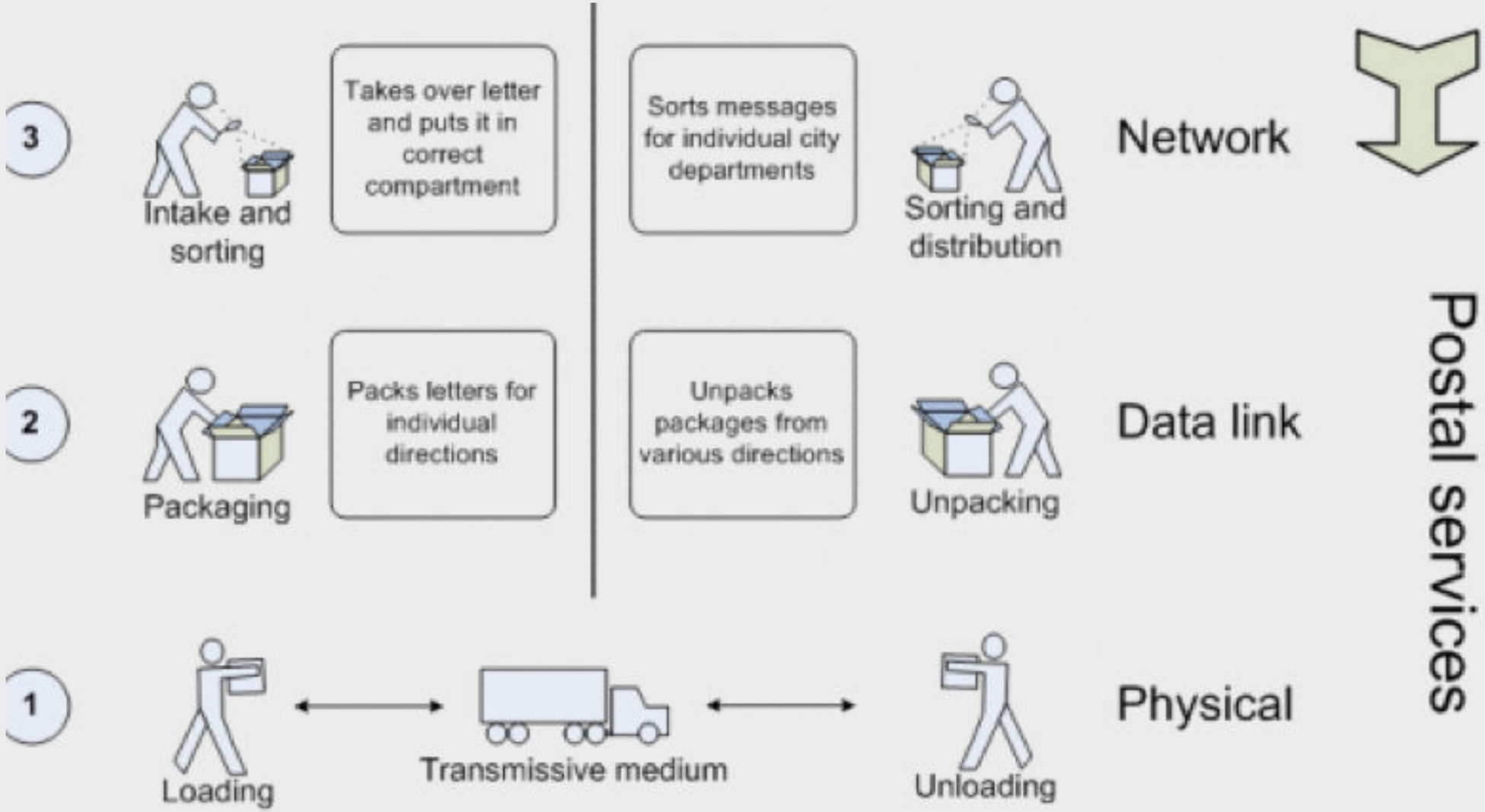
Every layer supports the one above & offers services to the one below

	Data Unit	Layer	Function	Devices
Host (Software) Layers	Data	7 Application	Network services (HTTP, FTP, & IMAP)	Proxy Servers, Content Firewalls
		6 Presentation	Data representation & encryption (SSL, WPA)	
		5 Session	Interhost communication (Ports 22, 80, 443)	
	Segments	4 Transport	End-to-end connection & reliability (TCP & UDP)	
Media (Hardware) Layers	Packets	3 Network	Data routing to correct destination (IP)	Routers, Firewalls
	Frames	2 Data Link	Physical addressing (MAC)	NICs, Ethernet, 802.11, Switches
	Bits	1 Physical	Media & signal transmission	Copper, Fiber, Wi-Fi, Hubs, Repeaters

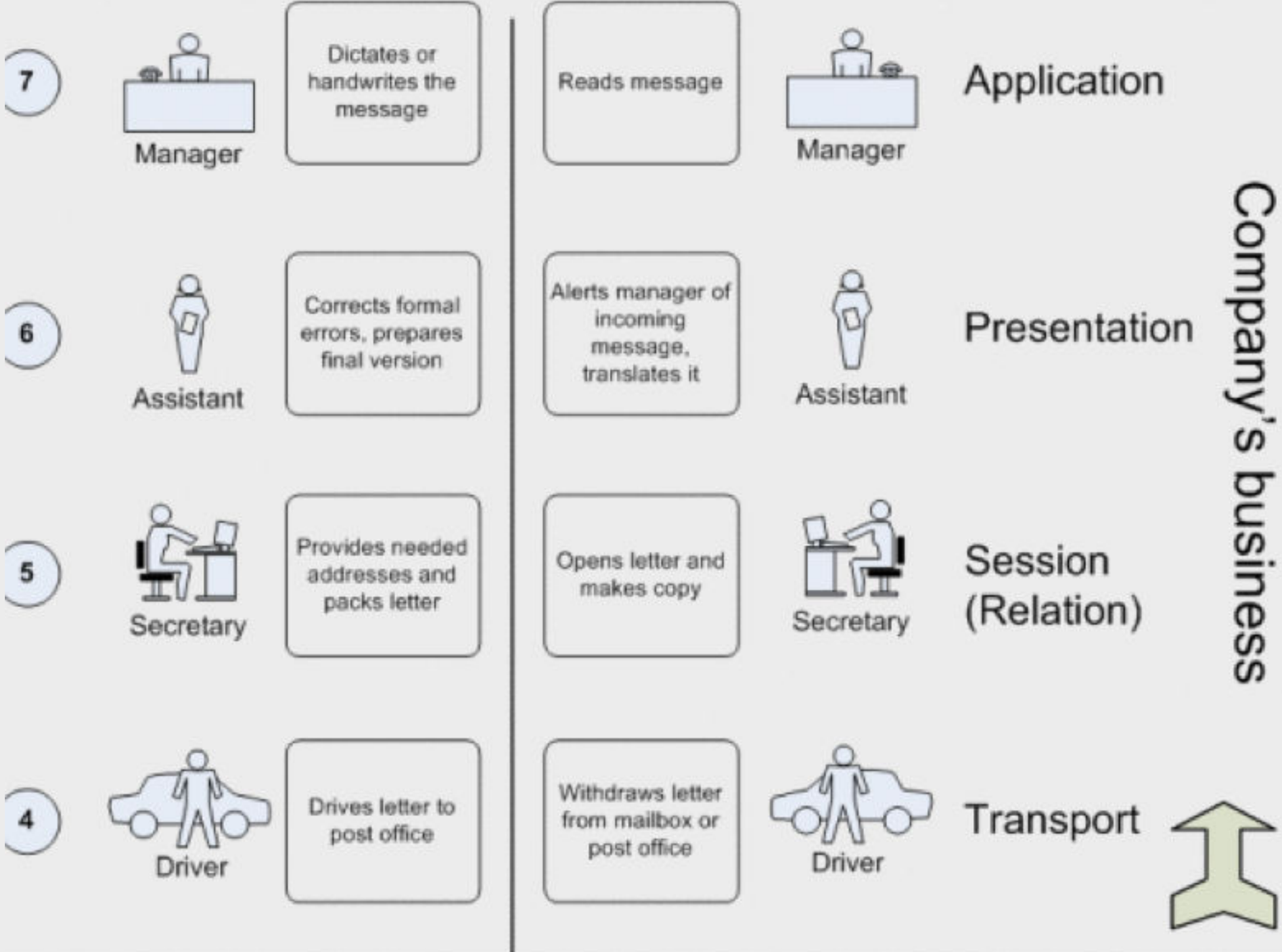


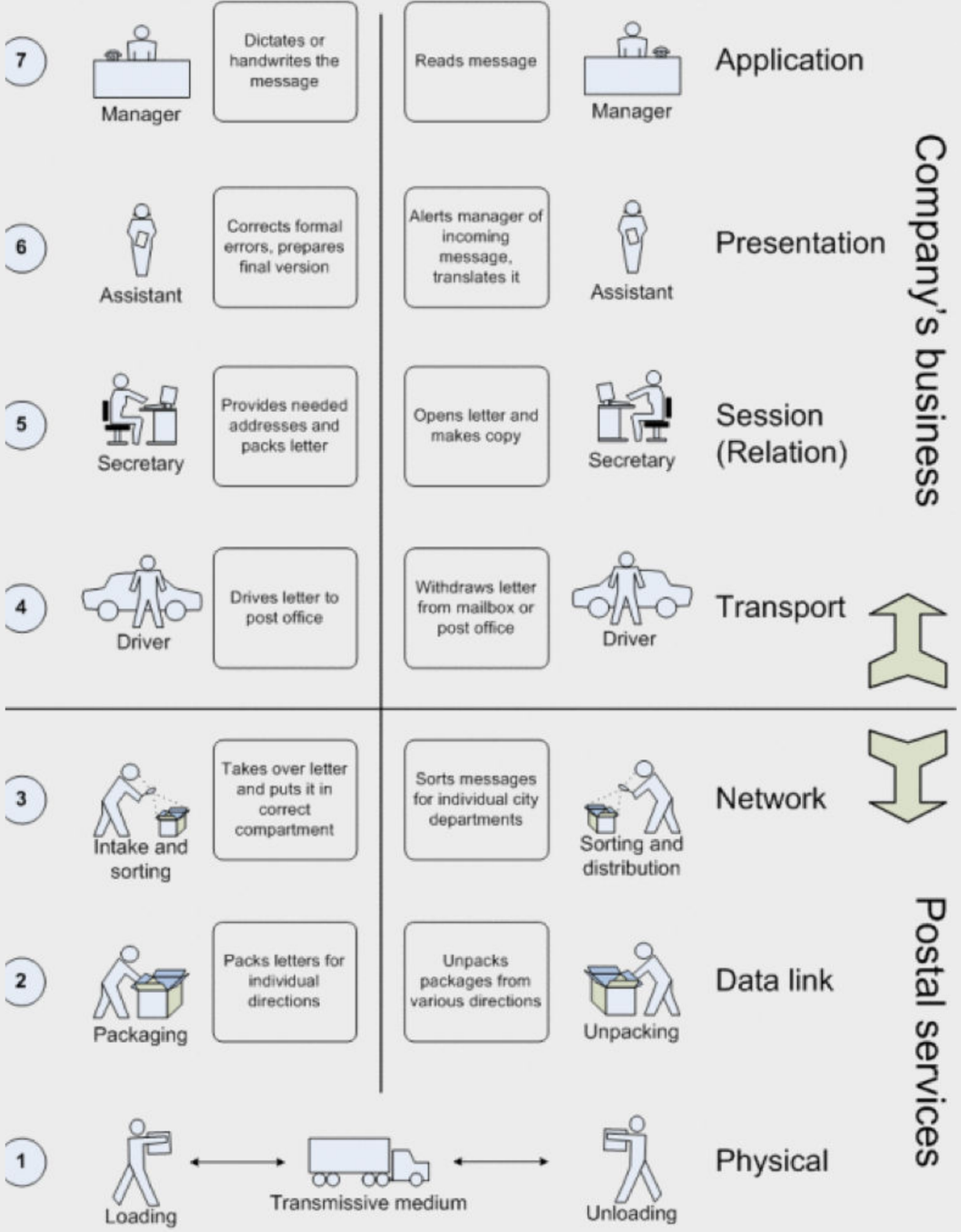
RM – OSI and letter communication parallel


7
Manager
Dictates or handwrites the message
Reads message
Manager
Application
6
Assistant
Corrects formal errors, prepares final version
Alerts manager of incoming message, translates it
Assistant
Presentation
5
Secretary
Provides needed addresses and packs letter
Opens letter and makes copy
Secretary
Session (Relation)
4
Driver
Drives letter to post office
Withdraws letter from mailbox or post office
Driver
Transport
Company's business



RM – OSI and letter communication parallel


7
Manager
Dictates or handwrites the message
Reads message
Manager
Application
6
Assistant
Corrects formal errors, prepares final version
Alerts manager of incoming message, translates it
Assistant
Presentation
5
Secretary
Provides needed addresses and packs letter
Opens letter and makes copy
Secretary
Session (Relation)
4
Driver
Drives letter to post office
Withdraws letter from mailbox or post office
Driver
Transport
Company's business



RM – OSI and letter communication parallel

Monitoring

Is My Site Down or Just Me?

Quick check if your site is reachable.

URL of website Check Host

Site goes down frequently?

Perhaps it's time to switch web host. See table below for web hosting services we recommend.

Name	Storage	Transfer	Control	Trial	Rating	Action
InMotion Hosting	Unlimited	Unlimited	cpanel	90 Days	★★★★★	inmotionhosting.com

Getting Hired

No one can do it all

- Front end (HTML, CSS—& JavaScript)
- Back end (PHP, .NET, Node.js—& JavaScript)
- Designers
- Server Admins
- Network Admins
- Database Admins

If you’re a programmer, use GitHub

How people build software

Millions of developers use GitHub to build personal projects, support their businesses, and work together on open source technologies.

Pick a username

Your email address

Create a password

Use at least one letter, one numeral, and seven characters.

Sign up for GitHub

By clicking "Sign up for GitHub", you agree to our terms of service and privacy policy. We'll occasionally send you account related emails.

Welcome home, developers

rsgranne

5 days ago
tekezo closed issue tekezo/Seil#70
Re-assigning § randomly stops working after sleep

5 days ago
tekezo commented on issue tekezo/Seil#70
It's great!

5 days ago
yamalight commented on issue tekezo/Seil#70
@tekezo unfortunately not. But I've since switched to Karabiner-Elements (because of macos update) - and that fixed it for me :)

5 days ago
tekezo closed issue tekezo/Seil#73
Hyper Key hack in MacOS 10.12 Sierra using Karabiner-Elements and Keyboard Maestro

5 days ago
tekezo commented on issue tekezo/Seil#70
Is there any crash report of Seil? You can confirm it in Console app.

5 days ago
tekezo closed issue tekezo/Seil#64

Introducing GitHub Community Guidelines
We want the GitHub community to be a welcoming environment where people feel empowered to share their opinion. We are now accepting feedback on our proposed Community Guidelines.

View all broadcasts

Repositories you contribute to 3

- websanity/ws-legal 0
- websanity/ws-server-scripts 3
- FortAwesome/Font-Awesome 46,137

Your repositories 9 New repository

Find a repository...

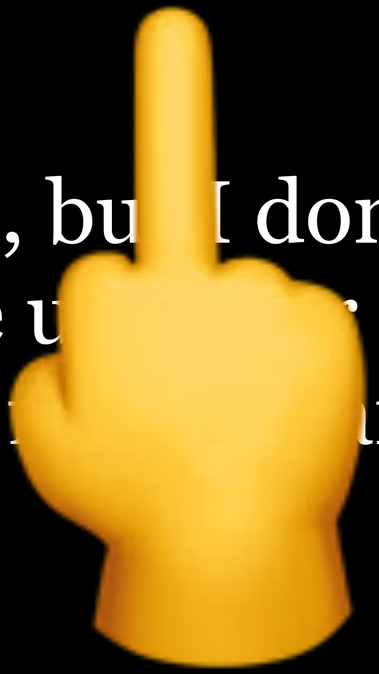
All Public Private Sources Forks

- granne-bin
- chainsaw
- zoom-zoom-brackets-extension
- linux-phrasebook-2nd-edition

If you’re a front-end developer, create websites

“I wish I could pay you, but I don’t have the budget. How about you let me use your work for free? I know it’ll be great exposure for you, and lead to paying work.”

“I wish I could pay you, bu[illegible] I don’t have the budget. How about you let me u[illegible] work for free? I know it’ll be great exposure [illegible] and lead to paying work.”



Domain Names

Domain Names Defined

Domain names (actually, that's a slang term for most of what you see here)

`granneman.com`

`www.granneman.com`

`mail.granneman.com`

`ftp.granneman.com`

FQDN: Fully-qualified domain name

www.granneman.com

Domain name

3rd-level domain,
machine name,
subdomain

SLD:2nd-level domain

TLD: top-level domain

FQDN: Fully-qualified domain name

www.granneman.com

Domain name

3rd-level domain,
machine name,
subdomain

SLD:2nd-level domain

TLD: top-level domain

.com
.org
.net
.edu
.mil
.gov
.int

ccTLD (Country Code TLD)

Always 2 letters

.us
.uk
.de
.fr
.jp
.su
.eu

“A domain hack is a domain name that suggests a word, phrase, or name when concatenating two or more adjacent levels of that domain.” —Wikipedia

.io (codepen.io)
.gs (blo.gs)
.to (cr.yp.to)

`.fm` (`kdhx.fm` & `jazz.fm`)
`.tv` (`abc.tv`)

I couldn’t find any examples for `.am` & `.dj`

.tv for Tuvalu

10 sq. miles

10,640 people

$2.2 million/year from royalties on .tv—10% of government's total revenue

New TLDs created out of greed & shortsightedness

- `.auto` ($2,488/yr)
- `.bargains` ($24.88/yr)
- `.camera` ($24.88/yr)
- `.investments` ($78.88/yr)
- `.luxury` ($588/yr)
- `.museum` ($100/yr)
- `.sucks` ($268.88/yr)
- `.travel` ($99/yr)
- `.xxx` ($99.99/yr)

Reserved TLDs

```
.example
.invalid
.local
.localhost
.test
```

FQDN: Fully-qualified domain name

www.granneman.com

Domain name

3rd-level domain,
machine name,
subdomain

SLD:2nd-level domain

TLD: top-level domain

FQDN: Fully-qualified domain name

www.granneman.com

Domain name

3rd-level domain,
machine name,
subdomain

SLD:2nd-level domain

TLD: top-level domain

Rules for domain names

`A-Z`, `a-z`, `0-9`, `-`

Cannot begin or end with `-`

2–63 characters, not including the TLD

FQDN: Fully-qualified domain name

www.granneman.com

Domain name

3rd-level domain,
machine name,
subdomain

SLD:2nd-level domain

TLD: top-level domain

Common 3rd-level subdomains

```
www
mail
blog
webmail
server
ns1
smtp
vpn
m
shop
ftp
test
```

Beware too many subdomains

`mar.ve.lo.us`
`this.is.too.many.subdomains.com`

FQDN: Fully-qualified domain name

www.granneman.com

Domain name

3rd-level domain,
machine name,
subdomain

SLD:2nd-level domain

TLD: top-level domain

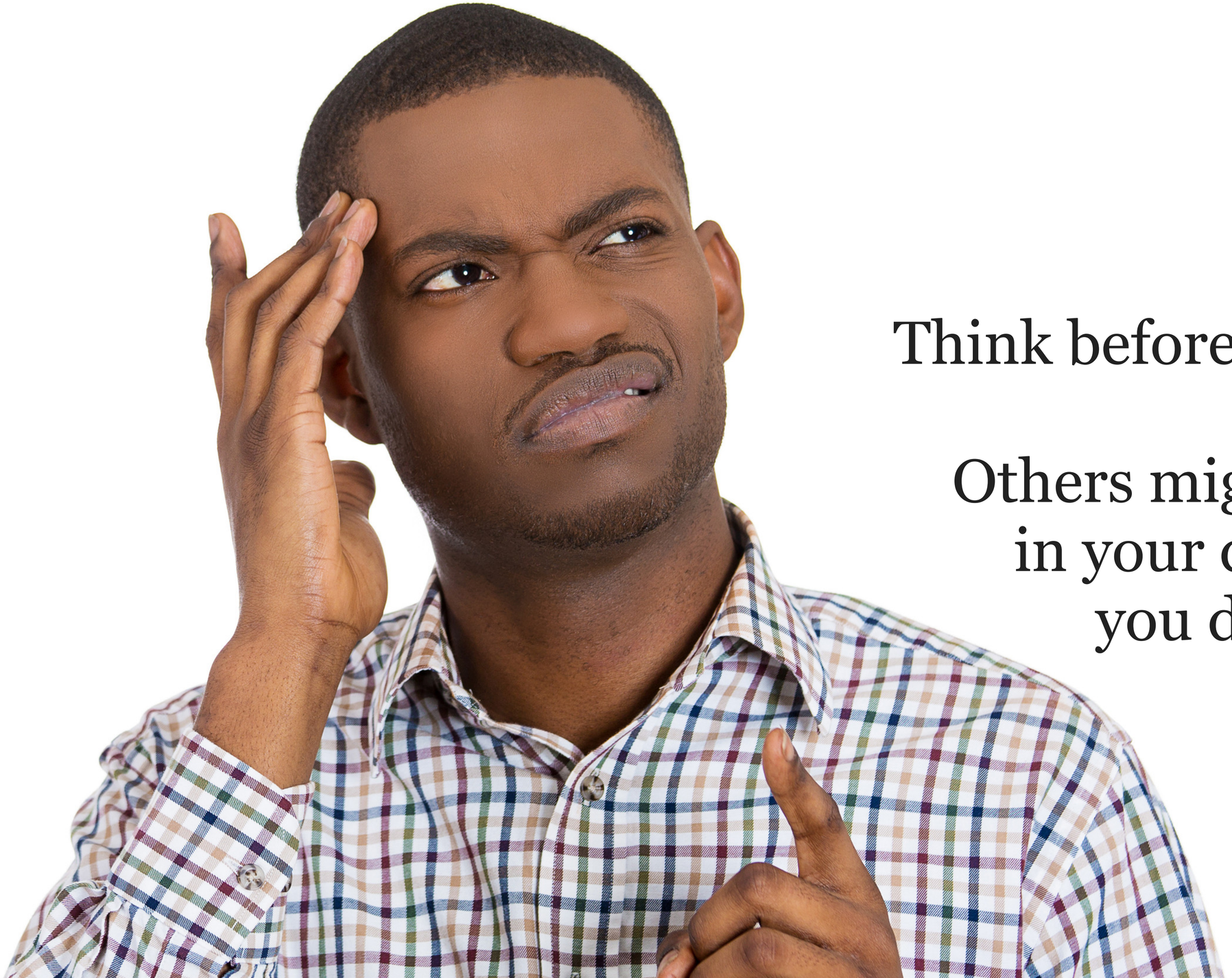
Real FQDNs

www.thelongestdomainnameintheworldandthensomeandthensomemoreandmore.com

3.14159265358979323846264338327950288419716939937510582097494459 2.com

www.abcdefghijklmnopqrstuvwxyzabcdefghijklmnopqrstuvwxyzabcdefghijk.com

Good & Bad Domain Names



Think before you register!

Others might see things
in your domain name
you did *not* intend

WHOREPRESENTS.com

BLOG SIGN UP LOGIN

Enter Celebrity, Representative or Company Name

SEARCH

From the WR blog

"Venom" - Review

"The Old Man and the Gun" - Review

Box Office Round Up - 10-1-2018

Hi! We have a new privacy policy covering data safety and the use of cookies on our site. By accessing this site, you are agreeing to the terms of this policy.

GIVE ME MORE INFO

ACCEPT PRIVACY POLICY & TERMS

Are you a therapist? Get listed today!

Keyword Search

Counseling California

therapistfinder.com

find a therapist | mental health matters | videos | news room | about us

Countdown to the Sale:

120

DAYS

Feb. 4, 2019

KidsExchange ConsignmentSale

the ultimate recycle

RALEIGH, NC

SELLER UNIVERSITY

LEARN TO SELL

Home | Sell | Shop | Schedule & Location | Work Exchange | Business Booths | Local Partners | Contact Us | Franchise Opportunities | Photo Gallery

What's the Kids Exchange About?

My Account Login

kidsexchange.net

Welcome to the Kids Exchange!

The Triangle's #1 Consignment Event!

NEXT SALE:

February 4-11, 2019

ALL shoppers MUST preregister on Eventbrite

*Choose 'SCHEDULE & LOCATION' from the top menu bar for hours & details.

plexus WORLDWIDE

Men & Women
Clinically Proven To Lose Weight
Residual Income Opportunity

Plexus now has Clinical Studies behind it!

IRON ACADEMY

FATHOM REALTY

7ON7

Americanscrapmetal.Com

Scrap Yard

SCRAP YARD SERVICES

- Scrap Alloy Recycling
- Scrap Aluminum Recycling
- Scrap Brass Recycling
- Scrap Copper Recycling
- Scrap Molybdenum Recycling
- Scrap Stainless Steel Recycling
- Scrap Tungsten Carbide Recycling

SPECIALTY RECYCLING SERVICES

CUMBRIA

STORAGE SYSTEMS LTD.

The Complete Storage Handling Package

Welcome

Cumbria Storage Systems Ltd provides business solutions to local industry and commerce organisations throughout Cumbria and the Lake District.

Storage and materials handling

We offer storage and materials handling ideas to suit all budgets. Whether it be for the warehouse, shop, office, sports centre or factory we have the experience to offer effective space management. Let us at Cumbria Storage Systems Ltd help you to create space and reduce costs.

Projects

We have a team of specialists able to offer a projects service for shelving, partitioning, flooring and racking solutions. We work with you from the initial stages of layout through to design ideas. We will then provide a professional installation and commissioning service backed by safety maintenance inspections and carried out to SEMA standards by our qualified SEMA Approved Racking Inspector (SARI). Each part of the process is backed by Cumbria Storage Systems Ltd renowned experience and expertise.

Online catalogue

Cumbria Storage Systems Ltd has over 10,000 products in our online catalogue. Catering for the business needs of all aspects of the industry and commerce from reception to the rest room, from the canteen to the car park. The business products are available to order from our online shop 24 hours a day.

Product sourcing

We have an experienced sourcing team who are able to source countrywide. Don't waste time looking yourself; let Cumbria Storage Systems Ltd carry out a search for that particular product or non-standard item for you.

cumstore.co.uk

DICKSON
Environmental Monitoring + Compliance Experts

Need Help? Talk to a specialist: 1-630-543-3747

Search Dickson by product or model

Products | DicksonOne | Applications | Industries | Variables | Services | Calibrations | Blog | Support | Login | 0 items

dicksonweb.com

Environmental Monitoring + Compliance Experts

Monitoring solutions and services for the world's most heavily-regulated environments.

MASTER BAIT & TACKLE

You Can't Beat Our Bait!
Bonita Beach, Florida
Always Workin' Too!

Welcome

Master Bait and Tackle, the "world famous", friendly, often provocative, cutting edge, and always humorous shop calls Bonita Beach, a quaint little drinking town with a severe fishing problem, "home". We are located on the main road to the Gulf beaches, half way between Naples and Ft. Myers , Florida .

Bonita Beach is the gateway to Estero Bay and the Pine Island Sound areas. These bays are known for some of the best "skinny water" fishing for Trout, Red Fish and big Snook. The passes and near shore waters are havens for the Silver King (Tarpon), as well as Permit, Pompano and the many varieties of Snapper. The deeper waters regularly yield large catches of Gag, Red and Black Grouper as well as King and Spanish Mackerel. And let us not forget combative Cobia and the elusive Tripletail.

Master Bait and Tackle offers a full line of light to heavy fishing tackle including Owner, Eagle Claw and Mustad Hooks, Triple Fish Mono and Seaguar Fluorocarbon Leader Materials. A variety of leads and fishing leaders and rigs are readily available. We carry a wide variety of quality Penn, Shimano and Okuma Reels. We stock Star, Penn and Ugly Stik rods in many lengths and weight classes.

masterbaitonline.com

s p e e d of a r t . c o m

new speedofart. com

Se

Google
Custom Search
>

speedofart.com

Winters Express
"Gateway to the Monticello Dam"

wintersexpress.com

WEATHER ALERT: The NWS has issued a RED FLAG WARNING from Saturday evening to Monday morning (click or tap for forecast)

COMMUNITY

Music, dancing and carnitas at Festival de la Communidad, 2018

Our darling Analisa Joy O. Was born a 1:53 AM the morning of October 26th 2009.

She weighed 7lbs 15oz, was 21.5in long, and this is just the start of her story.

My first photo gallery

My other first photo gallery

My 1 month photo gallery

analisajoy.com

I turned 2 months the day after Christmas, at my two month appointment the docotor told me I am 11lbs 13oz and 23.5in long, that I am growing like a weed, and strong as an ox.

My 1st Christmas!, and 2 month photo gallery

Ohh I got so much cute stuff for Christmas, look at all these presents. Clothes and toys and aren't I so cute in my little Christmas outfit.

I'm three months old today

Looky looky I'm smiling, and lots of people came to visit me. I am so pretty.

I'm four months old and I am huge

I saw the doctor and he said I was 14 and a half punds and 26 inches long. He says I'm gonna be a giant just like my mama and papa. :)

I'm five months old now

I love to swing in my swing, and jump in my jumper but I really love to play with my play mat and hop on my daddy.

I've been here half a year

Wait what's a year. I'm now 16 and a half pounds and 27 and a half inches tall. My parents think I'm skinny but the doctor says I'm just great!

I've had a heck of a 7th month

Oh, my. It has been quite a month, I got to see grandma and granpa. We got a new flatter place to live but now I have to sleep in the boig girl crib. Bye Bye bassinet, hello play yard. Sitting up is so much fun.

I'm so ready for a vacation!

Legal Music Services Guide

legalmusiconline.info

mp3shits.com

Looking for perfect legal online music service?

The service having any song in the world for a good price, of the quality equal to audio CD and in your favorite format?

Unfortunately there's no such service on the net now and to choose the best from all existent ones is really hard.

To solve this problem we've made the **comparative review of major music services**. Here you can find all technical features, peculiarities, limitations and other things you want to know about them. The best programs have detailed descriptions.

We hope our guide will help you to choose the legal online music service you really need.

read comparative review of online music services

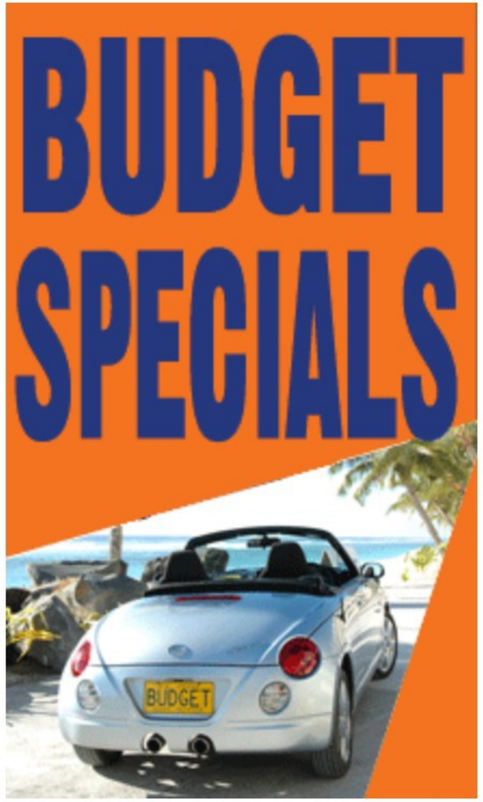
	MP3 Caprice	MP3 Sale	MP3 Mixx	AmazonMP3	iTunes
Catalogue	2,500,000	940,000 songs	3,100,000	10,000,000 songs	10,000,000 songs
Labels	All labels	All labels	All labels	All	Universal, Sony, EMI, Warner, BMG
Subscriptions	n/a	n/a	n/a	n/a	n/a
Price per song	$0.12		$0.15	$0.89-$0.99	$0.69-$1.29
Price per album	about $1.6	about $1.30	about $2	$5-$11	$9.99
File format	MP3 320 kbps	MP3 up to 320 kbps	MP3 320 kbps	MP3 256 kbps	AAC 128 kbps

Comparison of services

Direct links to services:

MP3 Caprice
MP3 Mixx
Yahoo Music Download

Budget COOK ISLANDS



Throughout the rental car world, Budget's mission statement can be summarized for our customers as "Satisfaction Guaranteed".

Budget will offer you the most comprehensive and competitive range of car rental products whilst providing the best service in the industry.

Budget Cook Islands is proud to offer such services as the finest car fleet, competitive pricing, one way rental facilities, free delivery and pickup service.

At **Budget** you will experience unequalled quality of vehicle and service, with friendly staff ready to meet your every requirement ... and all at a **Budget** price.

To book your reservations in the Cook Islands, Phone (682) 20895 or email us at reservations@budget.co.ck. If you have any questions, concerns or feedback, please feel free to contact us.

budget.co.ck

Cook Islands Tourism

POLYNESIAN BIKE HIRE LTD

Cook Islands NEWS ONLINE

Edgewater Resort & Spa

© 2009 Budget Rent A Car System, Inc. A global system of corporate and licensee-owned locations

MOLE STATION
Native Plant Nursery

molestationnursery.com

HOME | CATALOGUE/ORDER FORM | SERVICES | DATABASE | PLANT GALLERY | PLANTING TIPS | FUNDRAISERS | CONTACT US

David & Sarah Caldwell
Welcome You to Mole Station Native Nursery

Situated west of Tenterfield on the northern tablelands of New South Wales, Mole Station Native Nursery specialises in the production of frost hardy native shrubs and farm trees.

The nursery is set on Mole Station, a 2915 hectare sheep and cattle property . The nursery is wholesale and mail order retail.

Please browse our catalogue, which is updated at the beginning of each month and has an online order form. To research a wide range of native plant varieties, search our database.

All prices shown are retail prices. Please contact us for wholesale prices.

PenIslandPens

www.penisland.net

AdChoices

Custom Pens | Rustic Wood Furniture | Wooden Pen

Finest Quality Custom Pens

Many companies specialize in custom pens in bulk orders of hundreds or thousands of units, but where do you go if you want just one or two customized pens for that special gift? You come to Pen Island, where we are passionate about creating the exact pen you want, a pen that is as unique as you are.

You don't need to be an design expert to own a one-of-a-kind pen, our team will work with you to find a design that's uniquely yours. For those don't have the time to design their own pens we offer our pre-designed line of pens, some of which can be additionally customized. Whether you're looking for a thin white EZ-Grip pen, a petite yellowheart wood pen, or a thick dark mahogany pen we have just the one for you. Our pens are available in several custom sizes. Once we built a pen so large that we had difficulty finding a box it would fit in

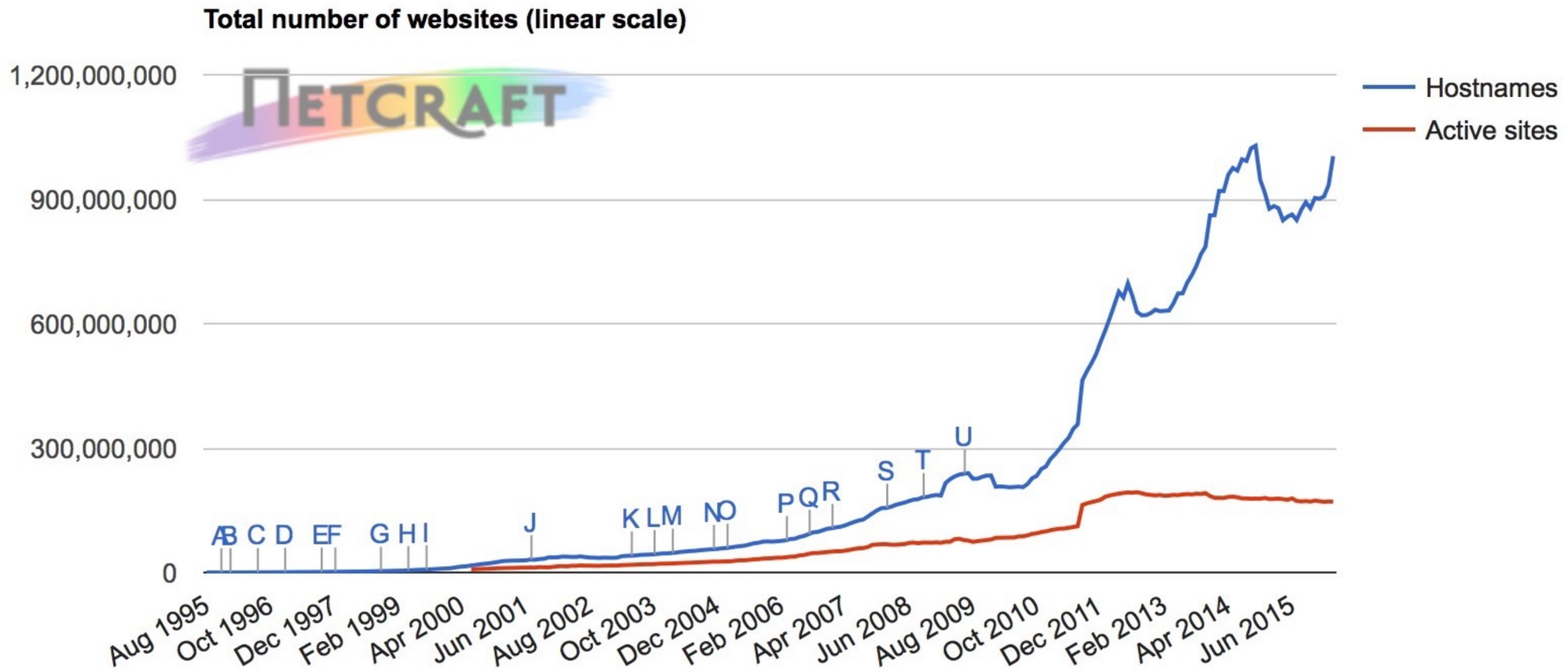
Go for `.com` or `.org` first; if it's a nerd site, try `.io`

Avoid cruddy TLDs like `.biz`

You do *not* need to register your domain name with every TLD (`foobar.com`, `foobar.org`, `foobar.uk`, `foobar.io`, &c)

If you have multiple words, think about whether you want to run the words together (`elderthings.com`) or use hyphens (`elder-things.com`)

Registrars



March 2016
Hostnames: 1,003,887,790
Active Sites: 170,518,262

“A *domain name registrar* is an organization or commercial entity that manages the reservation of Internet domain names. A domain name registrar must be accredited by a generic top-level domain (gTLD) registry and/or a country code top-level domain (ccTLD) registry.” —Wikipedia

Domain	Cost/year
.com	$10.29
.net	$12.48
.biz	$11.88
.org	$12.08
.info	$10.15
.guru	$24.88
.photography	$16.88
.technology	$16.88
.tattoo	$22.88
.sexy	$16.88
.xxx	$84.89

ICM REGISTRY

ABOUT DOMAINS PROGRAMS REGISTRARS MEDIA CONTACT WHOIS

Find Your Domain SEARCH

PREMIUM IS AFFORDABLE

.SEX .PORN .ADULT .XXX

Introducing our new tiered pricing

SEE AVAILABLE DOMAINS

Make a ranked list of desired domain names

Try the first — if it’s available, buy it then

If it’s not, see if it’s for sale

If it’s not, try the second — if it’s available, buy it then

Repeat

Do not search, see that it’s available, & plan to buy later!

You have the legal right to transfer domains from one registrar to another

Some make this easy, & some are almost criminally deceptive & difficult

You paid for 1 year at Registrar Foo

You decide to transfer to Registrar Bar

You pay a registration fee to Registrar Bar for a transfer, which includes another year

When you transfer to Registar Bar, you also keep the year you paid for at Registrar Foo

At Registrar Bar, you’re now registered for 2 years

United States - English

Help Sign In

GoDaddy™ All Products Domains Websites Hosting Web Security Online Marketing Email & Office Promos GoDaddy Pro

Find your perfect domain name Search Domain

.CLUB $3.99* .online $4.99* .com $11.99* .social $9.99*

Go from I think I can to I know I can.

Get a free domain with a website from GoDaddy.

Starting at
$1.00/mo

Annual plan required.

Get started

Constant upselling of services when you just want to do one quick thing

Hard to transfer domain names away from them to another registrar

Sexist advertising

Supported SOPA, a Congressional bill to censor the Internet (which fortunately was defeated)

Former CEO proudly shot an elephant on safari

network solutions®

Order Now: 1-866-908-3442 | Support | Renew Services | Cart (0) | Manage Account

Log In | Search

All Products › | Domain Names | Websites | eCommerce | Hosting & SSL | Professional Email | Online Marketing

Find the domain name you always wanted... | Search

Great *new domains* are here.

Get the domain you always wanted. Register yours today before someone else takes that perfect name.

Now available .guru, .repair, .nyc, and many more!

Search New Domains

Do-It-Myself Website

Custom Website

Lead Generation Programs

Constant upselling of services when you just want to do one quick thing

Next to impossible to transfer domain names away from them to another registrar

Incredibly difficult to find out *how much they will charge* before you get to the checkout screen AND create an account or login

Expensive: $35/year, where most others are $10–15

Have your own .tube, now in the Sunrise phase
This TLD is not a big truck: **.tube** is now entering the **Sunrise** phase.

Love cats? Get a .cat for $6.50
The TLD for the Internet's favorite pet (and Catalonia), **.cat** is now **50% off**.

Domains in .promo not on promo but in Sunrise
This **.promo** isn't on promo but is in the **Sunrise** phase, from now until **May 16**

Domain name registration

Go

Transfer | Renew | Bulk registration | See all domain prices

- [x] Generic (450)
- [x] Americas (25)
- [ ] Europe (50)
- [ ] Asia/Oceania (31)
- [ ] Africa (9)
- [ ] All (565)

Promos!

- [ ] Love cats? Get a .cat for $6....
- [ ] Half-price .earth domains f...
- [ ] Get your Moms a .mom for ...
- [ ] Five TLDs to class up your d...

Discover the new gTLDs **.app**, **.blog**, and **.web**...

There are already more than **One Million** pre-registrations!

Pre-register yours for free!

Gandi Hosting

Gandi Server (IaaS)
Create your servers, manage your disks, increase RAM, all on the fly and in the blink of an eye, thanks to the power of the Cloud.

expert level

30,000 free credits!

Simple Hosting (PaaS)
Benefit from Cloud-based performance while keeping the ease of classic web hosting.

intermediate level

10 free days

People I respect highly love Gandi

SUPPORT SIGN IN SIGN UP USD

namecheap

Domains Hosting Apps Security Account

SPECIAL: Get .online for just $0.88

Hop on this solid TLD at a crazy price for a limited time →

Find your new domain name Bulk Options Search

New around here?

Find exactly what you need with our custom tailor tool

Get Started

Worst thing about Namecheap is its name

Great prices, great service

DNS

How DNS Works

Domain Name System: “a distributed hierarchical naming system for … any resource connected to the Internet … [that works by] translating human-friendly computer hostnames into IP addresses.” —Wikipedia

The Internet uses 2 *namespaces* (ways to organize objects of various kinds):

- IP addresses
- Domain name hierarchy

DNS (Domain Name System) translates logical network *numbers* (IP addresses) into logical network *names* (DNS hierarchy)

Humans are good with words, not numbers

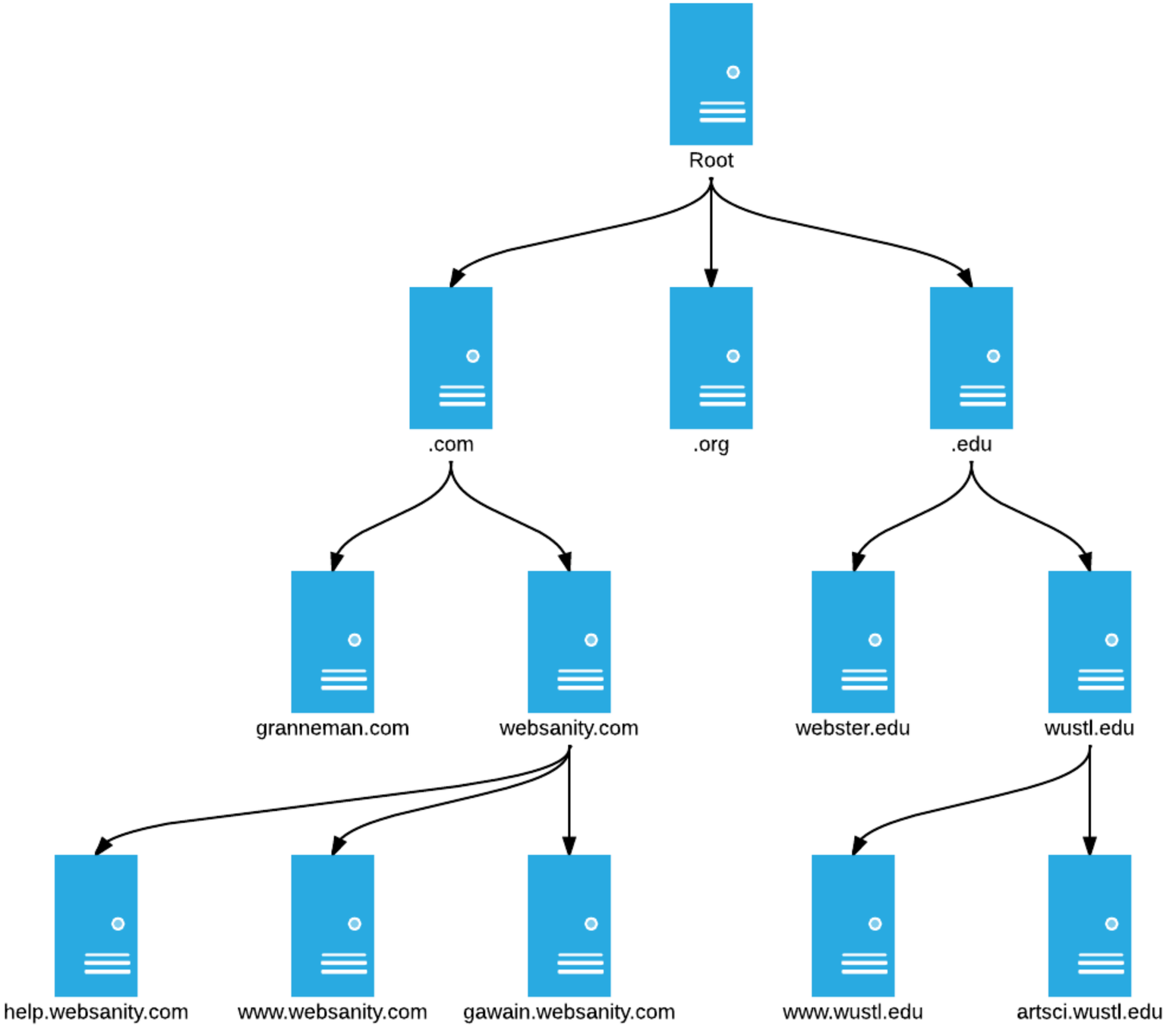
mail.granneman.com	66.39.82.33
ftp.granneman.com	66.39.82.33
www.granneman.com	216.23.180.5
www.stlzoo.org	216.23.180.5
www.aclu-nj.org	216.23.180.5

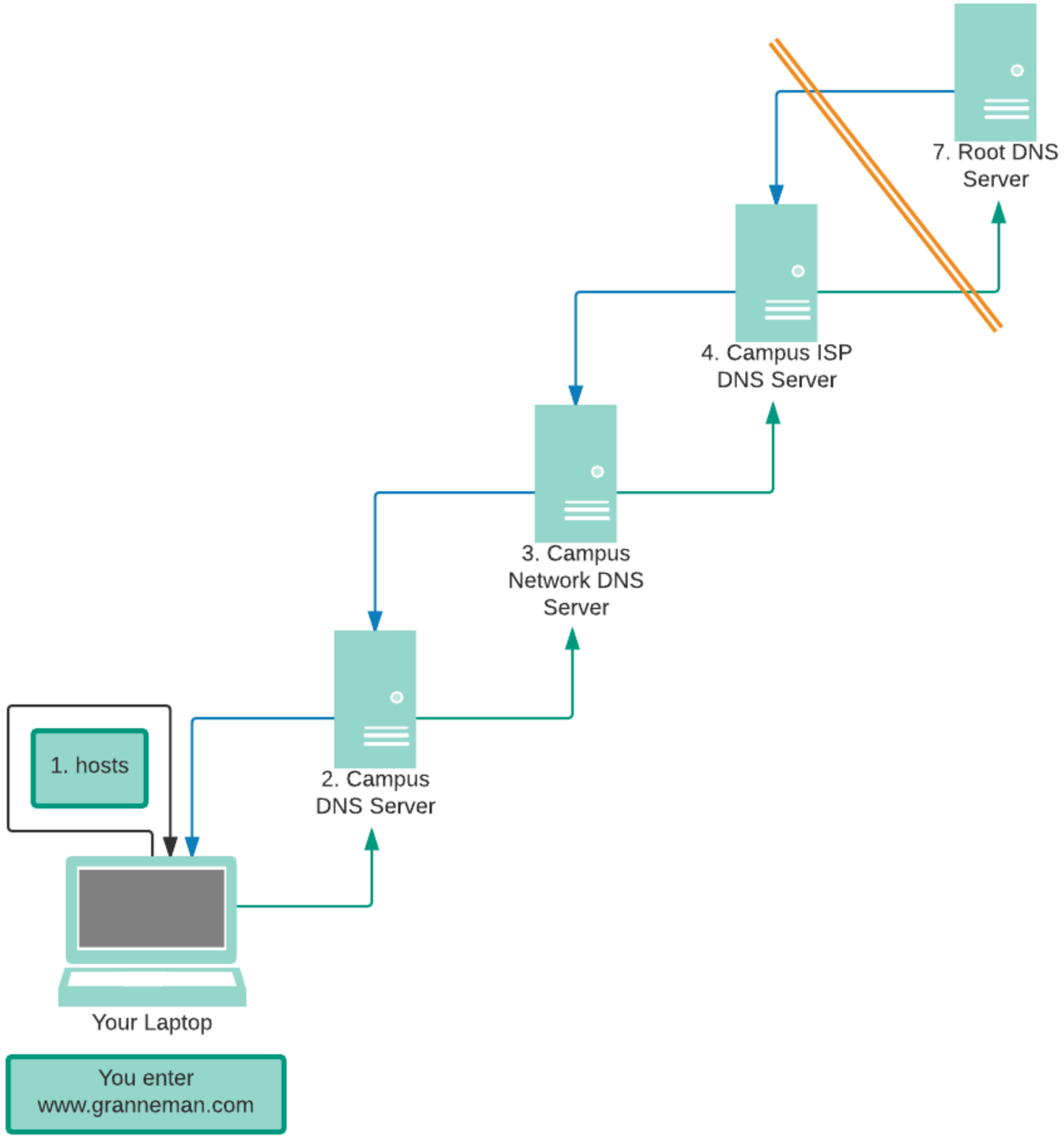
Yes, more than 1 domain name can be bound to 1 IP address

DNS uses a tree data structure divided into *zones*

After the root zone, the tree sub-divides into further hierarchical zones

Each zone is the authoritative source for information about domains in its zone

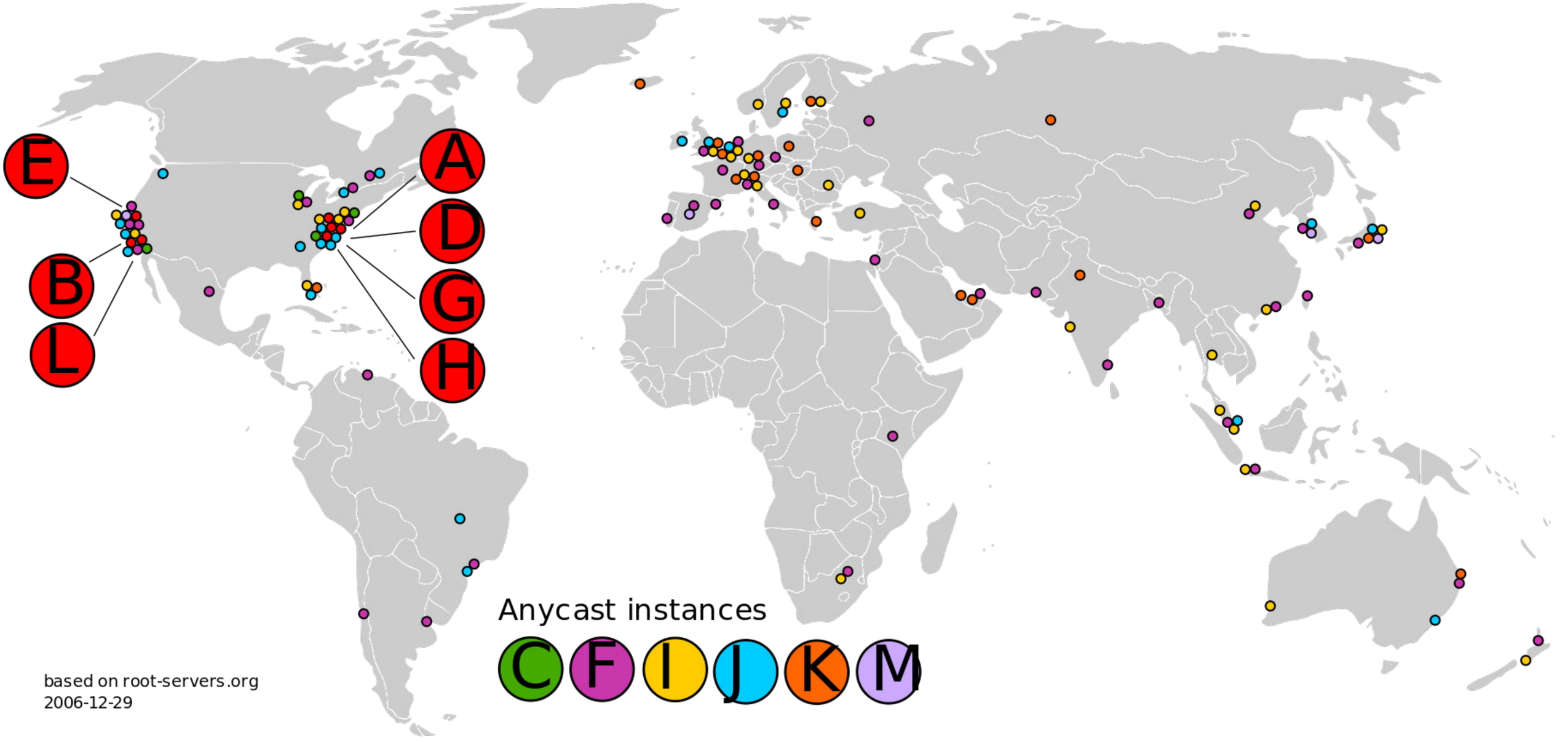

Root
.com
.org
.edu
granneman.com
websanity.com
webster.edu
wustl.edu
help.websanity.com
www.websanity.com
gawain.websanity.com
www.wustl.edu
artsci.wustl.edu



Results cached
by any DNS servers
who passed along request

One Ring to rule them all, One Ring to find them,
One Ring to bring them all and in the darkness bind them

	IP	Operator	Location (Global/Local)
A	198.41.0.4	Verisign	Anycast (5/0)
B	192.228.79.201	USC-ISI	Anycast (2/0)
C	192.33.4.12	Cogent Communications	Anycast (8/0)
D	199.7.91.13	University of Maryland	Anycast (50/67)
E	192.203.230.10	NASA	Anycast (125/141)
F	192.5.5.241	Internet System Consortium	Anycast (57/0)
G	192.112.36.4	Defense Information Systems Agency	Anycast (6/0)
H	128.63.2.53	US Army Research Lab	Aberdeen, MA & San Diego
I	192.36.148.17	Netnod	Anycast (58/0)
J	192.58.128.30	Verisign	Anycast (61/13)
K	193.0.14.129	RIPE NCC	Anycast (5/23)
L	199.7.83.42	ICANN	Anycast (161/0)
M	202.12.27.33	WIDE Project	Anycast (6/1)


E
B
L
A
D
G
H
Anycast instances
C
F
I
J
K
M
based on root-servers.org
2006-12-29

DNS records store more than just IP addresses

`A`

IP address

`gawain.websanity.com 23.239.25.194`

`CNAME`

Domain name alias

`www gawain.websanity.com`

`MX`

SMTP Mail Exchange

```
@ mail.messagingengine.com 10
@ mail.messagingengine.com 20
@ mail.messagingengine.com 30
```

`TXT`

Specialized records for a wide variety of purposes

```
@ google-site-verification=PM8NGaec_0YkRwOie
@ v=spf1 include:spf.messagingengine.com -all
@ adn_verification=granneman
```

`@` represents `granneman.com`

URL Redirect
Offered by some DNS services
`@ https://www.granneman.com Unmasked`

Remember, my domain name is `granneman.com`, represented by `@`

If someone goes to `granneman.com`, I want them to redirect to `www.granneman.com`

DNS Management

Your registar will usually provide tools to manage DNS for your domain name

SUPPORT granneman $0.00

namecheap

Domains Hosting Apps Security Account

Dashboard

Expiring Soon

Domain List

Product List

Profile

Domains → Details

granneman.com

Domain | Products | Sharing & Transfer | Advanced DNS

Q&A 48

HOST RECORDS

Actions Filters Search

Type	Host	Value	TTL
A Record	ut	50.17.235.125	Automatic

Actions | Filters | Search

CNAME Record	files.wu	files.wu.granneman.com.s3.amazonaws.com.	Automatic	
CNAME Record	images	images.granneman.com.s3.amazonaws.com.	Automatic	
CNAME Record	pix	domains.tumblr.com.	Automatic	
CNAME Record	finn	finn.granneman.com.s3.amazonaws.com.	Automatic	
CNAME Record	images.wu	images.wu.granneman.com.s3.amazonaws.com.	Automatic	
CNAME Record	present	present.granneman.com.s3-website-us-east-1.ama...	Automatic	
URL Redirect Record	@	http://www.granneman.co... Unmasked		
CNAME Record	www	gawain.websanity.com.	Automatic	
TXT Record	@	v=spf1 include:spf.messagingengine.com -all	Automatic	

Q&A 48

Actions | Filters | Search

TXT Record	@	google-site-verification= ...	Automatic	
TXT Record	mesmtp._dom...	v=DKIM1; k=rsa; p= ...	Automatic	
TXT Record	@	adn_verification=granneman	Automatic	

ADD NEW RECORD

SHOW LESS

Q&A 48

DNSSEC ? Status

MAIL SETTINGS ? Custom MX

Actions

Type	Host	Value		TTL
MX Record	@	mail.mailroute.net.	10	Automatic

Dashboard

Expiring Soon

Domain List

Product List

Profile

Actions | Filters | Search

TXT Record	@	google-site-verification=	Automatic
TXT Record	mesmtp._dom...	v=DKIM1; k=rsa; p=	Automatic
TXT Record	@	adn_verification=granneman	Automatic

A Record | Host | IP Address | Automatic

- A Record
- A + Dynamic DNS Record
- AAAA Record
- CNAME Record

SAVE ALL CHANGES

SHOW LESS

Q&A 48

DNSSEC

Status

MAIL SETTINGS

Custom MX

Actions

Dashboard

Expiring Soon

Domain List

Product List

Profile

Actions | Filters | Search

TXT Record	@	v=spf1 include:spf.messagingengine.com ~all	Automatic
TXT Record	@	google-site-verification=	Automatic
TXT Record	mesmtp._dom...	v=DKIM1; k=rsa; p=	Automatic
TXT Record	@	adn_verification=granneman	Automatic
CNAME Record	Host	Target	Automatic

ADD NEW RECORD | SAVE ALL CHANGES | SHOW LESS

Q&A 48

DNSSEC ? Status

MAIL SETTINGS ? Custom MX

Actions

Content

Planning

OmniOutliner

Feature-rich, powerful outlining tool

www.omnigroup.com/omnioutliner/

$0 (view only) / $10 / $60
Educational: $6 / $36
iOS: $0 (view only) / $30

OmniOutliner for Mac is
Ready for High Sierra!

OmniOutliner 5 Essentials

A minimal, focused outlining experience for Mac.

Welcome to the world of structured writing: whether you're taking notes, making lists, brainstorming, or starting your book, OmniOutliner is for you.

Download OmniOutliner 5 for Mac

Includes free 14 day trial.

Introducing Essentials

OmniOutliner for Mac is Ready for High Sierra!

OmniOutliner 5 Pro

Outline: think, write, do.

Create perfect outlines with a powerful, productive app. This is your all-purpose tool for Mac with smart columns, scriptability, custom styles, templates, and more.

Download OmniOutliner 5 for Mac

Includes free 14 day trial.

What's New in 5

- Display Notes in Pane
- Custom Templates & Themes
- Custom Styles
- Batch Find
- Password Encryption
- Row Numbering
- Attachments
- Audio Recording
- Rich Text
- Column Visibility
- Saved Filters
- Text Folding
- RegEx Search
- Scripting Support
- Customizable Keyboard Shortcut Sets
- Export to RTFD & Excel

Additions Pro provides over Essentials

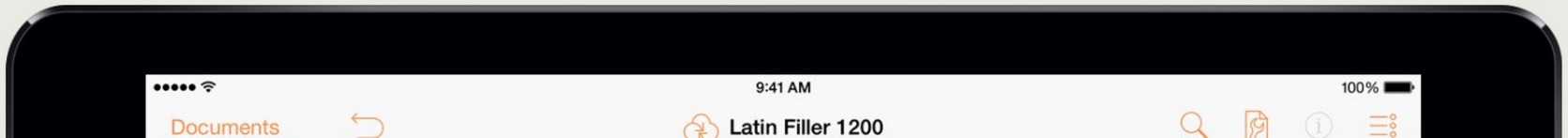
OmniOutliner 3 for iOS

Public Test Signup

OmniOutliner 2 for iOS

OmniOutliner is a start-to-finish writing app for iPad and iPhone.

Think, write, and do with the most capable outliner on your most portable devices.



Linux Phrasebook, 2nd Edition - Outline.oo3

Hide Sidebar | Theme | 100% Zoom | Start Recording | Add Column | Inspect

CONTENTS

- Overall
- Intro
- 1 Things to Know Abo…
- 2 The Basics
- 3 Learning Abo…
- 4 Building Blocks
- 5 Viewing Files
- REMOVE: 6 Printing a…
- ADD: 6 Manipulating T…
- 7 Ownership…
- 8 Archiving a…
- 9 Finding Stuff: Easy
- 10 The find Command
- 11 Your Shell
- 12 Monitoring Syste…
- 13 Installing Software

STYLES

- Whole Docu…
- Column Titles
- Level 1 Rows
- Level 2 Rows
- Level 3 Rows

Topic	Command
• Redirect a Command's Output to a File	>
▼ FIX: Prevent Overwriting Files When Using Redirection	
• Add command to beginning of chapter: set -o noclobber	
• Append a Command's Output to a File	>>
• Use a File As Input for a Command	<
• ADD: Combine Input and Output Redirection	< >
▼ ADD: Send Output to a File and to stdout at the Same Time	tee
• Try this:	
find . -type f -print0 | tee /tmp/file-list | xargs -0 egrep whatever	
Does /tmp/file-list (view it with something that doesn't mind nulls) contain your desired file(s)? If no, it's a find problem. If yes, it's an xargs matter.	
• Conclusion	
▼ 5 Viewing Files	
• FIX: Change chapter title to Viewing (Mostly Text) Files	
• NEW: Figure Out a File's Type	file
• View Files on stdout	cat
• Concatenate Files to stdout	cat file1 file2
• Concatenate Files to Another File	cat file1 file2 > file3
▼ FIX: Concatenate Files and Number the Lines	cat -n file1 file2
• ~~Change 2 poems in example to Ogden Nash, each 2 lines long, for shorter example~~	
▼ EDIT NOTE to:	
• Remove dog (it's dead)	

The Outliner of Giants

Web-based, with lots of features & templates

www.theoutlinerofgiants.com

$0–2.49/month

The Outliner of Giants uses cookies to improve the service, find out more about how we use cookies.

The Outliner of Giants

'that we are like dwarfs on the shoulders of giants, so that we can see more than they, and things at a greater distance, not by virtue of any sharpness of sight on our part, or any physical distinction, but because we are carried high and raised up by their giant size.'

Sign up... it's free! Sign in...

The Outliner of Giants helps you give structure to your ideas:

- **Capture** your thoughts from any device, or get started with one of our **outline templates**;
- **Organize** your information in a flexible hierarchical structure;
- **Express** your ideas using rich text, or embedding images & videos;
- **Collaborate** with your friends and colleagues in real time;
- **Integrate** your information from other services, such as Dropbox & Google Drive;

Outline templates

- » 5 essay templates
- » Thesis and dissertation
- » Research paper
- » Project proposal
- » Class and lecture notes
- » Task & project management
- » Kanban schedule

- Class & Lecture Notes Outline Template: for organising your class and lecture notes
  - **To use this outline template simply sign up and create your first outline (it's free!).**
  - Teacher/Professor
  - Class/Lecture series overview
  - Lecture 1
    - Preperation
    - Introduction/Lecture outline
    - Topic 1
    - Topic 2 (clone this node to create templates for other topics)
    - Summary/Closing points
    - Questions
    - Further reading/investigation
  - Lecture 2 (clone this node to create templates for other lectures)
  - Tests & assessments

Text Editors

Do not write in Word & then copy & paste into any online tool, as that very well may bring along crap into the resulting HTML

Instead, write in a text editor, copy & paste into your online tool, & then format the content using the online tool

BBEdit

After 30 days, you get an excellent simple text editor

www.barebones.com/products/bbedit/

$0

100 greatest comedies of all time.txt

~/Dropbox/Documents/Scott/Movies & TV/Lists/100 greatest comedies of all time.txt

26. Mon Oncle (Jacques Tati, 1958)
25. The Gold Rush (Charlie Chaplin, 1925)
24. Withnail and I (Bruce Robinson, 1987)
23. The Party (Blake Edwards, 1968)
22. Young Frankenstein (Mel Brooks, 1974)
21. City Lights (Charlie Chaplin, 1931)
20. Blazing Saddles (Mel Brooks, 1974)
19. The Lady Eve (Preston Sturges, 1941)
18. Sherlock Jr (Buster Keaton, 1924)
17. Bringing Up Baby (Howard Hawks, 1938)
16. The Great Dictator (Charlie Chaplin, 1940)
15. Monty Python and the Holy Grail (Terry Gilliam and Terry Jones, 1975)
14. His Girl Friday (Howard Hawks, 1940)
13. To Be or Not To Be (Ernst Lubitsch, 1942)
12. Modern Times (Charlie Chaplin, 1936)
11. The Big Lebowski (Joel and Ethan Coen, 1998)
10. The General (Clyde Bruckman and Buster Keaton, 1926)
9. This Is Spinal Tap (Rob Reiner, 1984)
8. Playtime (Jacques Tati, 1967)
7. Airplane! (Jim Abrahams, David Zucker and Jerry Zucker, 1980)
6. Life of Brian (Terry Jones, 1979)
5. Duck Soup (Leo McCarey, 1933)
4. Groundhog Day (Harold Ramis, 1993)
3. Annie Hall (Woody Allen, 1977)
2. Dr Strangelove or: How I Learned to Stop Worrying and Love the Bomb (Stanley Kubrick, 1964)
1. Some Like It Hot (Billy Wilder, 1959)

L: 1 C: 1 Text File Unicode (UTF-8) Unix (LF) Saved: 2017-10-15, 11:07:20 PM 7108 / 1199 / 117 100%

If you get Sublime Text (coming up soon), you can just use it

Notepad++

Fast, powerful, & utilitarian text editor

notepad-plus-plus.org

$0 & open source

D:\source\notepad++\trunk\PowerEditor\src\NppBigSwitch.cpp - Notepad++

File Edit Search View Encoding Language Settings Macro Run Plugins Window ?

Notepad_plus_Window.h | Notepad_plus.h | Notepad_plus.cpp | Notepad_plus_Window.cpp | NppBigSwitch.cpp | NppCommands.cpp | NppIO.cpp

```
20  // but WITHOUT ANY WARRANTY; without even the implied warranty of
21  // MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
22  // GNU General Public License for more details.
23  //
24  // You should have received a copy of the GNU General Public License
25  // along with this program; if not, write to the Free Software
26  // Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.
27
28
29  #include "precompiledHeaders.h"
30  #include "Notepad_plus_Window.h"
31  #include "TaskListDlg.h"
32  #include "ImageListSet.h"
33  #include "ShortcutMapper.h"
34  #include "VerticalFileSwitcher.h"
35  #include "documentMap.h"
36
37  struct SortTaskListPred
38  {
55
56
57  LRESULT CALLBACK Notepad_plus_Window::Notepad_plus_Proc(HWND hwnd, UINT Message, WPARAM wParam, LPARAM lParam
58  {
77
78  LRESULT Notepad_plus_Window::runProc(HWND hwnd, UINT Message, WPARAM wParam, LPARAM lParam)
79  {
```

C++ source file | length : 53818 lines : 2025 | Ln : 1 Col : 1 Sel : 0 | Dos\Windows | ANSI | INS

Storage (& Safety)

Dropbox

Synchronize & share files

www.dropbox.com

$0 / $100 / $200 annually

Try Dropbox for Business Scott Granneman

Dropbox

Search

- Files
- Photos
- Sharing
- Links
- Events

Application Support Invite to folder... Share link... Download Delete... Rename More

1Password	folder	--
Application Support	folder	--
Apps	folder	--
bin	folder	--
Camera Uploads	folder	--
CSOATS	folder	--
DeniseScottShare	shared folder	--
Documents	folder	--
GradeBook Pro	folder	--
GranneWoltMan	shared folder	--
Incoming	folder	--
mac ios automation	shared folder	

Try Dropbox for Business!

Start with 1000GB for 5 people

Help Privacy ooo

Google Drive is nice, but it’s more data Google gets about you & Google’s online tools (e.g. Docs) don’t feel “right” when I’m using them

YMMV

Collaboration

Google Docs

Web-based, collaborative documents, spreadsheets, & slideshows

docs.google.com

$0

Letter to the Editor

Re: Headline, dated Jan. 12, 2016 stating “Trial date set for SCHS vs. Marshall Public Library”.

I couldn’t believe what I was reading: the circus is coming to town in April. The Democrat News prints a column titled News of the Weird. That is where the headline and story should have appeared. This is one of the biggest wastes of our taxpayers money yet. The article goes on to say that SCHS wants to retake possession of all printed materials (from the present safe and accessible location at the library) and relocate them to their own facility. Would that “facility” be the eyesore on the northeast corner of the Marshall square that has always been closed to the public, and shuttered in brown paper?

Why? Please tell me why the SCHS self elected “officers” that think they own our history have the balls to even show up for a court date? What are they doing with what they already have in their control? It is hiding behind brown papered windows, or maybe somewhere else for “safe keeping”? Who knows? In my thinking, this is a private group of bullies holding our history hostage from the rest of the citizens, whose ancestors actually *made* the history. You people in charge may wring your hands and tell people how hurt you are about the (true) publicity I have given you, but you need to think about how much you have hurt our school children, young people, businesses around the square, and senior citizens by keeping the place on lockdown. Some of you seem to think you know everything there is to know about the history of our county (and some of your information is questionable), but you don’t seem to be able to recall where the key is to the front door of the SCHS.

Untitled document

scott@granneman.com

File Edit View Insert Format Tools Table Add-ons Help

Comments Share

Arial 11

- Share...
- New ▸
  - Document
  - Spreadsheet
  - Presentation
  - Form
  - Drawing
  - From template...
- Open... ⌘O
- Rename...
- Make a copy...
- Move to trash
- See revision history ⌘+Option+Shift+H
- Language ▸
- Download as ▸
- Publish to the web...
- Email collaborators...
- Email as attachment...
- Document details...
- Page setup...
- Print preview
- Print ⌘P

Web Design and Development Evaluation [Webster]

SEND

QUESTIONS RESPONSES 239

Evaluation for Scott's Web Development Course

We covered the following broad topics this term:

* HTML (an overview, but also including tables, lists, & forms)
* CSS (an overview, but also including typography & media-specific styles)
* Responsive Web Design
* Content Management Systems
* Web browsers
* Brackets

What did you find most interesting about the class?

Long answer text

What did you find least interesting?

Long answer text

What would you like to have studied more?

Web Design and Development Evaluation [Webster]

All changes saved in Drive

SEND

QUESTIONS RESPONSES 239

going to forget that all this ever happened?)

Long answer text

Would you be interested in an advanced or successor class that covered CSS & Responsive Web Design in depth? Any other things we studied that you'd like to extend into a class or a portion of a more in-depth class?

Long answer text

Question

Multiple choice

Option 1

Add option or ADD "OTHER"

Required

Web Design and Development Evaluation [Webster]

All changes saved in Drive

SEND

QUESTIONS RESPONSES 239

going to forget that all this ever happened?)

Long answer text

Would you be interested in an advanced or successor class that covered CSS & Responsive Web Design in depth? Any other things we s
extend into a class or a portion of a more in-depth class

Long answer text

Question

Option 1

Add option or ADD "OTHER"

Short answer

Paragraph

Multiple choice

Checkboxes

Dropdown

File upload

Linear scale

Multiple choice grid

Web Design and Development Evaluation [Webster]

All changes saved in Drive

SEND

Settings

GENERAL | PRESENTATION | QUIZZES

- [ ] Collect email address
  - [ ] Response receipts

Requires sign in:

- [ ] Restrict to Scott Granneman users
- [ ] Limit to 1 response

Respondents can:

- [ ] Edit after submit
- [ ] See summary charts and text responses

CANCEL SAVE

Web Design and Development Evaluation [Webster] *All changes saved in Drive*

SEND

QUESTIONS RESPONSES 239

It was great, very helpful and obviously knew your stuff!

Good

Good

A+.

p.s. Can I have an A too?

Very good. Funny and entertaining

I like your style of teaching very much which is probably why I've taken so many of your classes. I really like the casual "real" style and there is (for me) never a feeling that you're at all unapproachable.

Excellent. One of my favourite professors at the school.

Good--both knowledgeable and funny

I enjoy learning from you...you have vast knowledge of web development. I often laugh in class so it is fun, too.

Excellent. Very entertaining as always!

You have a nice rapport with the class and know your stuff really well. New programs and versions pop up all the time, and you stayed current with all of that and rolled with the punches when it happened - it showed how flexible one needs to be in this field.

Teaching was good but I would have preferred more projects (whether group or individual) in class because I learn best when I can actually apply what we are learning and see the result, as opposed to having a long lecture and then doing a short group project. Took a while to get used to the learn something then replace that knowledge with an upgrade a week later though.

Web Design and Development Evaluation [Webster] *All changes saved in Drive*

SEND

QUESTIONS RESPONSES 239

239 responses

SUMMARY INDIVIDUAL

View responses in Sheets

Accepting responses

3 of 239

Responses cannot be edited

Evaluation for Scott's Web Development Course

We covered the following broad topics this term:

* HTML (an overview, but also including tables, lists, & forms)
* CSS (an overview, but also including typography & media-specific styles)
* Responsive Web Design
* Content Management Systems

Web Design and Development Evaluation

File Edit View Insert Format Data Tools Form Add-ons Help

scott@granneman.com

Comments Share

Arial 10

fx Timestamp

	A	B	C	D	E
1	Timestamp	What did you find most interesting about the class?	What did you find least interesting?	What would you like to have studied more?	Did you find the websites I me interesti
220	12/16/2015 11:19:15	What I found very interesting was that all you need to do in order to style anything or make it look the way you want it is through CSS.	The most interesting thing that I found was the usage of bootstrap. Its pretty dope and makes a stuff a hella lot easier to do.	I would like to have done gifs and movies for the background image	Some where some random stuff that class that took tim day
221	12/16/2015 11:27:08	what I find most interesting about Programming for Web are the different techniques of CSS and HTML.	Nothing	I would like to study more bootstrap for responsive websites, and maybe more CSS.	Brackets is the mo interesting softwa mentioned. It help many ways
222		Learning different code languages is understandably not the most exciting subject but I found that once you have the basic knowledge and of how to build and style your own webpages you essentially have access to a completely new medium of design. Learning this is unlike anything I have ever learned before. There are so many different elements and resources to remember and incorporate that it is actually overwhelming if you try to learn too fast. I think this is probably going to be one of the most useful skills that I have learned in my profession. Also I liked how we learned		The one thing I think it would have been nice to study more is layout/composition of a webpage. I think that anyone new to this would probably have difficulties making a page look "normal." You have brought up how print designer's often are bad at web layout too so I think getting everyone on the same page in the beginning with an exercise in web study would	Absolutely. I wrote them down and in almost all of them It would be nice to from you of all the websites/software

Sheet1 Form Responses 1

Explore

Dropbox Paper

Web-based, collaborative word processor

paper.dropbox.com

$0 while in beta

🎉 Get Started with Dropbox Paper

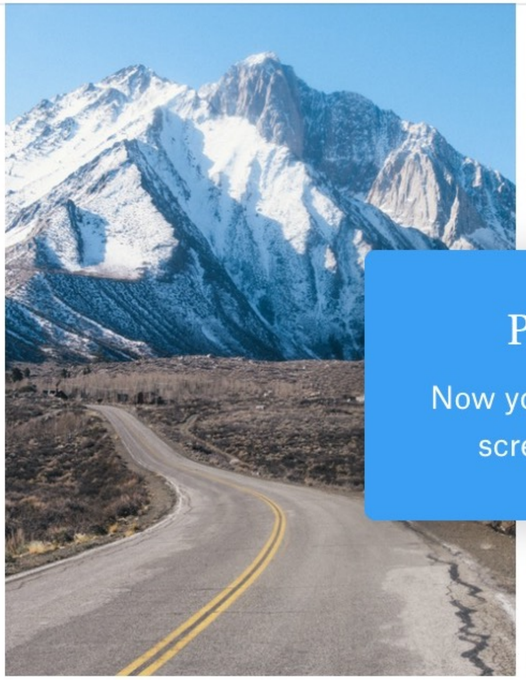
The Basics

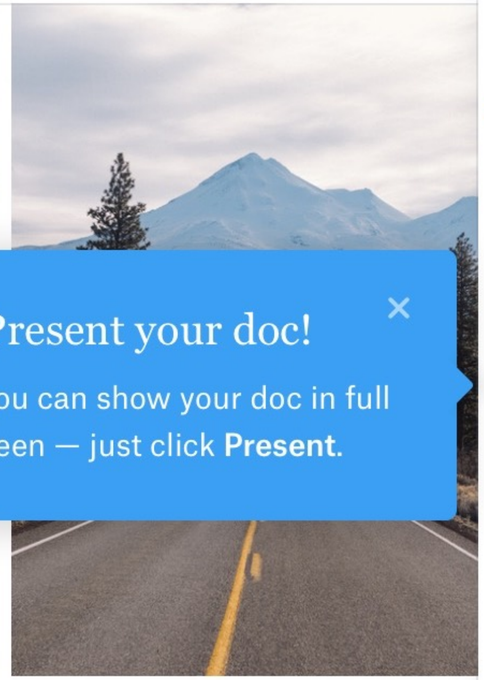
Dropbox Paper is great for capturing ideas and gathering quick feedback from your team. The flexible editor allows for text, task lists, code, file and app embeds, images, and so much more. Explore and edit this doc to see and experience some of the most useful features—**the doc is all yours. No one will see your edits unless you share it.**

Selecting text activates the formatting toolbar, which enables you to apply basic formatting, create lists, and add comments to your selection.

- [ ] Create task lists
- Bulleted lists
1. Numbered lists

Selecting images activates the image toolbar, which enables you to align images left, center, right or to expand them full width.





Present your doc!

Now you can show your doc in full screen — just click **Present**.

Add emojis to your doc or comment by typing **:** and choosing a character.

💘 💯 🎱 👍 👎 ☎️ 👕 🍊 🏞️ 💭 😀 🚽 🎩 📼 🎾 🚩 🐢 🎉 👫 😯 👽 🖖 🐆 🚌 📺 📓 🎶 📎 📝 🐝 😁 🙏 🍳 💦 🐍

Rich Formatting

You and your team can create the way you want, with what you want. Dropbox Paper adapts to the way your team captures ideas.

🎉 Get Started with Drop

The Basics

Dropbox Paper is great for capturing ideas and gathering quick
flexible editor allows for text, task lists, code, file and app embe
Explore and edit this doc to see and experience some of the mo
yours. No one will see your edits unless you share it.

Selecting text activates the formatting toolbar, wh
basic formatting, create lists, and add comments to

- [ ] Create task lists
- Bulleted lists
1. Numbered lists

Selecting images activates the image toolbar, which enables you to align images left, center, right or to expand them full width.

To: Taylor or taylor@example.com

People given the link can edit Link settings • Copy link

This doc is in "Sample Docs"
Members of the "Sample Docs" invite-only folder can find it in Paper Move

Invite others to collaborate with you!

Share this doc to start collaborating in it with your team — just add their emails and hit Send.

Apple iWork (Pages, Numbers, Keynote)

App- & Web-based collaborative office suite

www.icloud.com

$0 to use iCloud (need Apple ID)
$0 on new Macs & iOS devices; $20 otherwise

iCloud

Setup Instructions | ?

Sign in to iCloud

Apple ID

Password

Keep me signed in

Forgot Apple ID or password?

Don't have an Apple ID? Create yours now.

iCloud

Scott

iCloud Pages 125% Scott

Mrs. James

Composition 1B-Blue

22 September 2013

Vegetarian and Proud

My cause is vegetarianism. The rest of my family eats meat regularly so I can only imagine what they thought when I told them I was done eating meat. However, I doubt they were surprised. I have wanted to be a vegetarian for as long as I can remember. Though there are many reasons to consider vegetarianism, I made the decision because I didn't want an animal to suffer and die for me because I like the taste of meat. I have been a vegetarian for almost two years and even though my family doesn't always agree with me, they support my choice. In order to get the nutrients they need, vegetarians need to be open to trying new foods, like veggie burgers, tofu, and lentil soups. I believe in trying different foods. I might hate some things, but I could love them too. I get a lot of support from vegetarian guides and cookbooks, other vegetarians that I meet, and most importantly, the way not contributing to animal cruelty makes me feel. I don't plan to stop eating meat and I'm even interested in becoming a vegan someday.

Text
Paragraph Style
Body
Font
Times New Roman
Regular
B I U S
12 pt
Alignment
Line Spacing
1
Paragraph Spacing
Before
0 pt
After
0 pt
Bullets & Lists
None

iCloud Pages 125% Scott

Mrs. James

Composition 1B-Blue

22 September 2013

Vegetarian and Proud

My cause is vegetarianism. The rest of my family eats meat regularly so I can only imagine what they thought when I told them I was done eating meat. However, I doubt they were surprised. I have wanted to be a vegetarian for as long as I can remember. Though there are many reasons to consider vegetarianism, I made the decision because I didn't want an animal to suffer and die for me because I like the taste of meat. I have been a vegetarian for almost two years and even though my family doesn't always agree with me, they support my choice. In order to get the nutrients they need, vegetarians need to be open to trying new foods, like veggie burgers, tofu, and lentil soups. I believe in trying different foods. I might hate some things, but I could love them too. I get a lot of support from vegetarian guides and cookbooks, other vegetarians that I meet, and most importantly, the way not contributing to animal cruelty makes me feel. I don't plan to stop eating meat and I'm even interested in becoming a vegan someday.

Sydney
Download a Copy…
Send a Copy…
Print
Browse All Versions…
Go to My Documents
Set Password…
Preferences…
Text
Style
Roman
Line Spacing
1
Paragraph Spacing
Before
0 pt
After
0 pt
Bullets & Lists
None

1

Mrs. James

Composition 1B-Blue

22 September 2013

My cause is veg

only imagine what they

doubt they were surpris

remember. Though ther

because I didn't want an

have been a vegetarian for almost two years and even though my family doesn't always agree with me, they support my choice. In order to get the nutrients they need, vegetarians need to be open to trying new foods, like veggie burgers, tofu, and lentil soups. I believe in trying different foods. I might hate some things, but I could love them too. I get a lot of support from vegetarian guides and cookbooks, other vegetarians that I meet, and most importantly, the way not contributing to animal cruelty makes me feel. I

Add People

Add people to this document, then send them the link.

Add: Email addresses or phone numbers

Share Options

Who can access: Only people you invite

Permission: Can make changes

Scott Granneman (scott@granneman.co... Cancel Share

Text

Paragraph Style

Body

Font

Times New Roman

Regular

B I U S

12 pt

Alignment

Line Spacing

1

Paragraph Spacing

Before

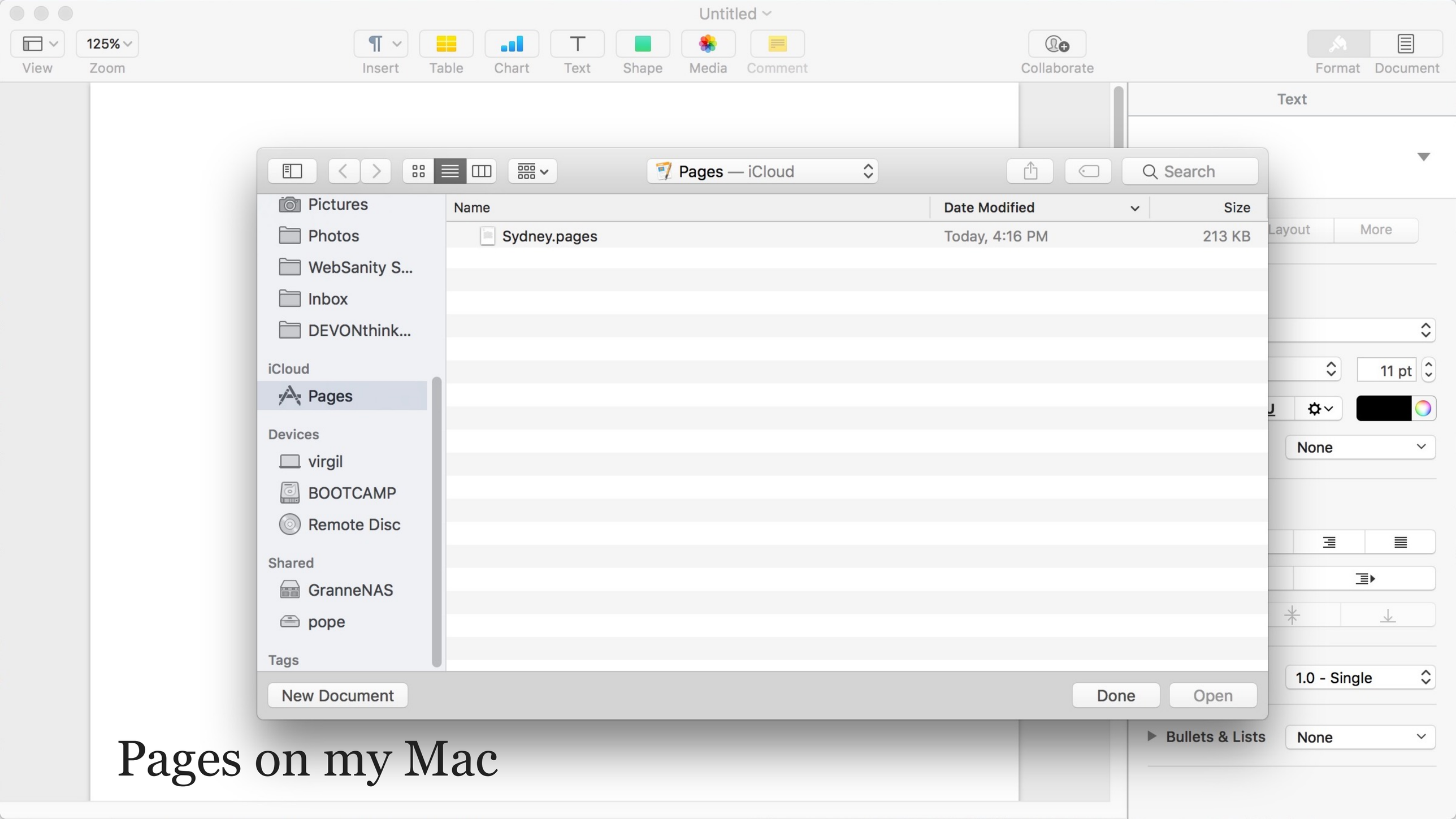
0 pt

After

0 pt

Bullets & Lists

None



Pages on my Mac

Sydney.pages

View | 125% Zoom | Insert | Table | Chart | Text | Shape | Media | Comment | Collaborate | Format | Document

Pages on my Mac

Mrs. James

Composition 1B-Blue

22 September 2013

Vegetarian and Proud

My cause is vegetarianism. The rest of my family eats meat regularly so I can only imagine what they thought when I told them I was done eating meat. However, I doubt they were surprised. I have wanted to be a vegetarian for as long as I can remember. Though there are many reasons to consider vegetarianism, I made the decision because I didn't want an animal to suffer and die for me because I like the taste of meat. I have been a vegetarian for almost two years and even though my family doesn't always agree with me, they support my choice. In order to get the nutrients they need, vegetarians need to be open to trying new foods, like veggie burgers, tofu, and lentil soups. I believe in trying different foods. I might hate some things, but I could love them too. I get a lot of support from vegetarian guides and cookbooks, other vegetarians that I meet, and most importantly, the way not contributing to animal cruelty makes me feel. I don't plan to stop eating meat and I'm even interested in becoming a vegan someday. After all, I like the way I feel knowing that I'm doing something good for the animals that need my help. (223)

Text

Body*

Style | Layout | More

Font

Times New Roman

Regular | 12 pt

B | I | U

Character Styles: None

Alignment

Spacing: 1.5

Bullets & Lists: None*

iCloud Numbers 125% Scott

Sheet 1 Sheet 2

Table 1

Sale Price	$ 230,000.00	$ 230,000.00	$ 230,000.00	$ 230,000.00	$ 230,000.00	
Still Owe	$ 76,800.00	$ 76,800.00	$ 76,800.00	$ 76,800.00	$ 76,800.00	
Home Equity Loan	$ 30,000.00	$ 30,000.00	$ 30,000.00	$ 30,000.00	$ 30,000.00	
EQUITY	$ 123,200.00	$ 123,200.00	$ 123,200.00	$ 123,200.00	$ 123,200.00	
$ for Each	$ 61,600.00	$ 61,600.00	$ 61,600.00	$ 61,600.00	$ 61,600.00	
Home Repairs	$ 15,000.00	$ 12,500.00	$ 10,000.00	$ 7,500.00	$ 5,000.00	
Commerce Account	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	
TOTAL AFTER REPAIRS	$ 46,600.00	$ 49,100.00	$ 51,600.00	$ 54,100.00	$ 56,600.00	
Car Down Payment	$ 4,600.00	$ 4,600.00	$ 4,600.00	$ 4,600.00	$ 4,600.00	
TOTAL	$ 42,000.00	$ 44,500.00	$ 47,000.00	$ 49,500.00	$ 52,000.00	

Select an object to format.

Sale.numbers — Shared

View | Zoom 125% | Formula | Table | Chart | Text | Shape | Media | Comment | Collaborate | Format | Sort & Filter

Commerce Bank 2007-2016.numbers | Sale.numbers | Income-Expenses 2012-2014.numbers

Sheet 1 | Sheet 2

Numbers on my Mac

Offers

				THIS ONE		Denise
Sale Price	$ 260,000.00	$ 250,000.00	$ 240,000.00	$ 230,000.00	$ 220,000.00	
Still Owe	$ 73,064.00	$ 73,064.00	$ 73,064.00	$ 72,581.39	$ 73,064.00	$ 73,064.00
Home Equity Loan	$ 30,000.00	$ 30,000.00	$ 30,000.00	$ 30,000.00	$ 30,000.00	$ 30,000.00
EQUITY	$ 156,936.00	$ 146,936.00	$ 136,936.00	$ 127,418.61	$ 116,936.00	$ (103,064.00)
$ for Each	$ 78,468.00	$ 73,468.00	$ 68,468.00	$ 63,709.31	$ 58,468.00	$ (51,532.00)
Home Repairs	$ 25,000.00	$ 20,000.00	$ 12,500.00	$ 0.00	$ 0.00	
Commerce Account	$ 0.00	$ 0.00	$ 0.00	$ 5,000.00	$ 0.00	$ 0.00
TOTAL AFTER REPAIRS	$ 53,468.00	$ 53,468.00	$ 55,968.00	$ 58,709.31	$ 58,468.00	$ (51,532.00)

Multiple tables

D

		Notes
Car Insurance	$9,600.00	2008–2015
Home Depot ?	$594.18	3/22/2016
Renters		3 out of last 6 months
Unpaid Rent	$6,000.00	3–8/2016
Claimed $50k Taxes?		

Scott

Withdrawn	$5000.00

Table | Cell | Text | Arrange

Table Styles

Headers & Footer: 1 | 1 | 0

Table Name

Table Font Size: A A

Table Outline: 0.35 pt

Outline table name

Gridlines

Alternating Row Color

iCloud Keynote

75%

Scott

1 iPad: So Simple a Toddler...

2 iWhat?

3 WIMP to MPG

4

5

6 Apps!

7 Money!

iOS 5

WIMP to MPG

Window, Icon, Menu, Pointer

to

Multi-Touch, Physics, Gesture

Slide

Appearance

- [x] Title
- [x] Body
- [ ] Slide Number

Background

Transition Effect

None

Start Transition

On Click

iCloud Keynote

75%

Scott

1 iPad: So Simple a Toddler...

2 iWhat?

3 WIMP to MPG

4

5

6 Apps!

7 Money!

iOS 5

WIMP to MPG

Window, Icon, Menu, Pointer

to

Multi-Touch, Physics, Gesture

iPad (SLUUG)

- Use Keynote Live
- Download a Copy…
- Send a Copy…
- Print
- Browse All Versions…
- Go to My Presentations
- Set Password…
- Preferences…

Slide

iCloud Keynote

75%

Scott

1 iPad: So Simple a Toddler...

2 iWhat?

3 WIMP to MPG

4

5

6 Apps!

7 Money!

iOS 5

WIMP to MPG

Welcome to Keynote Live

Present a live slideshow to viewers anywhere.
They can watch on a Mac, iOS device, or the web.

Cancel

Continue

Slide

Appearance

- [x] Title
- [x] Body
- [ ] Slide Number

Background

Transition Effect

None

Start Transition

On Click

iCloud Keynote

75%

Scott

1 iPad: So Simple a Toddler...

2 iWhat?

3 WIMP to MPG

4

5

6 Apps!

7 Money!

iOS 5

WIMP to MPG

Your slideshow is ready.

Now invite viewers by sending them a link.

Invite Viewers...

More Options

Cancel | Play Later | Play Now

Slide

Appearance

- [x] Title
- [x] Body
- [ ] Slide Number

Background

Transition Effect

None

Start Transition

On Click

WIMP to MPG

Window, Icon, Menu, Pointer

to

Multi-Touch, Physics, Gesture

iPad (SLUUG).key

View | 75% Zoom | Add Slide | Play | Keynote Live | Table | Chart | Text | Shape | Media | Comment | Collaborate | Format | Animate | Document

Your Digital Toolbox - Software, Tips, & Tricks for Web Developers (& Other Creatives).key | iPad (SLUUG).key

1 iPad: So Simple a Toddler...
2 iWhat?
3 WIMP to MPG
4
5
6 Apps!
7 Money!
iOS 5

WIMP to MPG

Window, Icon, Menu, Pointer

to

Multi-Touch, Physics, Gesture

Keynote on my Mac

Style | Text | Arrange

Body* Update

Style | Layout

Font

Helvetica

Light 38 pt

B I U

Character Styles None

Alignment

Spacing 1.0 - Single

Bullets & Lists None

Office 365

App- & Web-based collaborative office suite

office365.com

9 different plans & prices, of course

Plans

- Personal
- Office 365 University
- Home
- Business Essentials
- Business
- Business Premium
- ProPlus
- Midsize Business
- Enterprise

Office

Try Office for free

Good afternoon, Scott

Use the online apps

Word
Excel
PowerPoint
OneNote
Sway
Mail
People
Calendar
OneDrive
Docs.com

Feedback

Office 365

Install Office 2016

Other installs

Good afternoon, Ralph

Search online documents

Use the online apps

OneNote | Class Notebook | Mail | Calendar | Word | PowerPoint | Excel | OneDrive | Forms

Planner | People | Tasks | Setting up... | Setting up...

We're still setting a few things up, but feel free to get started.

Feedback

Recent

838002x Navigating Your File Sys...
gowustl-my.sharepoint.com » personal » rsgrann...

New in

New blank document

General notes

APA style paper

MLA style paper

2016 calendar

Simple resume

Simple cover letter

2016-2017 academic calendar

© 2016 Microsoft

[Address]

[City, ST ZIP Code]

Dear [Recipient]:

If you're ready to write, just select this tip text and start typing to replace it with your own. Don't include space to the right or left of the characters in your selection.

Apply any text formatting you see in this letter with just a click from the Home tab, in the Styles group.

Wondering what to include in your cover letter? It's a good idea to include key points about why you're a great fit for the company and the best choice for the specific job. Of course, don't forget to ask for the interview—but keep it brief! A cover letter shouldn't read like a novel, no matter how great a plot you've got.

Sincerely,

[Your Name]

Draft

Very sophisticated & feature-rich online text editor

draftin.com

$0

LOGIN

WRITE BETTER WITH DRAFT

EASY VERSION CONTROL AND COLLABORATION FOR WRITERS

TRY DRAFT

"When I'm not writing on paper, I write with Draft."

DRAFT

SETTINGS | LOGOUT | HELP

Search GO

NEW DOCUMENT

IMPORT

REPORTS

FOLDERS

VIEW SHARE EDIT

THE CALL OF CTHULHU

JAN 11

By H. P. Lovecraft

(Found Among the Papers of the Late Francis Wayland Thurston, of Boston)

> “Of such great powers or beings there may be conceivably a survival … a survival of a hugely remote period when … consciousness was manifested, perhaps, in shapes and forms long since withdrawn before the tide of advancing humanity … forms of which poetry and legend alone have caught a flying memory and called them gods, monsters, mythical beings of all sorts and kinds. …”
> —Algernon Blackwood.

I. The Horror in Clay.

The most merciful thing in the world, I think, is the

By H. P. Lovecraft

(Found Among the Papers of the Late Fran
Thurston, of Boston)

> “Of such great powers or beings there
a survival … a survival of a hugely remo
consciousness was manifested, perhaps, i
long since withdrawn before the tide of
… forms of which poetry and legend alone
flying memory and called them gods, mons
beings of all sorts and kinds. …”
> —Algernon Blackwood.

I. The Horror in Clay.

The most merciful thing in the world, I think, is the

MARK DRAFT	⌘S
PREVIEW	⌘R
HEMINGWAY MODE	SHIFT+CTRL+ALT+►
BOLD	⌘B
ITALICS	⌘I
URL	SHIFT+CTRL+L
TODO	ALT+T
IMAGE	SHIFT+CTRL+I
COMMENT	⌘/
FOOTNOTE	SHIFT+CTRL+F
MARK SNIPPET	SHIFT+CTRL+Y
INSERT SNIPPET	ALT+CTRL+Y

Open #https://draftin.com/documents/48278/edit# on this page in a new tab behind the current one

THE CALL OF CTHULHU

By H. P. Lovecraft

(Found Among the Papers of the Late Francis Wayland Thurston, of Boston)

> “Of such great powers or beings there may be conceivably a survival … a survival of a hugely remote period when … consciousness was manifested, perhaps, in shapes and forms long since withdrawn before the tide of advancing humanity … forms of which poetry and legend alone have caught a flying memory and called them gods, monsters, mythical beings of all sorts and kinds. …”
> —Algernon Blackwood.

I. THE HORROR IN CLAY.

The most merciful thing in the world, I think, is the inability of the human mind to correlate all its contents.

DRAFT

SETTINGS | HELP | FORMATTING

Search GO

THE CALL OF CTHULHU

EDIT NAME

VIEW EXPORT MOVE

TEXT OR MARKDOWN
HTML
WORD OR GOOGLE DOCS
PDF

MPLIFY

2 DRAFTS

ecraft

the Papers of the Late Francis Wayland
Boston)

reat powers or beings there may be conceivably
a survival of a hugely remote period when …
s was manifested, perhaps, in shapes and forms
ithdrawn before the tide of advancing humanity
hich poetry and legend alone have caught a
y and called them gods, monsters, mythical
l sorts and kinds. …”
Blackwood.

rror in Clay.

The most merciful thing in the world, I think, is the

SAVED

552 WORDS

Open #https://draftin.com/documents/48278/edit# on this page in a new tab behind the current one

DRAFT

SETTINGS | HELP | FORMATTING

Search GO

THE CALL OF CTHULHU

EDIT NAME

VIEW EXPORT MOVE

SHARE ASK A PRO SIMPLIFY

COMMENTS

2 DRAFTS

ecraft

the Papers of the Late Francis Wayland
Boston)

reat powers or beings there may be conceivably
a survival of a hugely remote period when …
s was manifested, perhaps, in shapes and forms
ithdrawn before the tide of advancing humanity
hich poetry and legend alone have caught a
y and called them gods, monsters, mythical
l sorts and kinds. …”
Blackwood.

rror in Clay.

The most merciful thing in the world, I think, is the

SAVED

552 WORDS

Open “https://draftin.com/documents/48278/share?authenticity_token=ai2qIMPbsA%2FKqCE8Z5mdEvaC8T1hlelNGt%2FdlLBXyos%3D” in a new tab behind the current one

2 DRAFTS

By H. P.

(Found A
Thurstor

> “Of su ably
a surviv …
conscious orms
long sin nity
… forms
flying memory and called them gods, monsters, mythical
beings of all sorts and kinds. …”
> —Algernon Blackwood.

I. The Horror in Clay.

The most merciful thing in the world, I think, is the

RECEIVE EDITS | SHARE YOUR EDITS OF ORIGINAL

Anyone with this link can see and edit your document. You'll get an email alert to accept or reject their changes.

https://draftin.com/documents/48278?token=d3JA_ywr-YmYIYzYe4XQ6dnUXyiKQrDRR2e2NgLYgLQ

Or email someone to help edit your document.

CLOSE

SAVED

552 WORDS

You can publish Draft posts to places like Wordpress and Tumblr.

Once you've added a publisher, look for a Publish button when viewing or editing your documents.

PLACES TO ADD

Wordpress	Tumblr	Twitter
Blogger	LinkedIn	Mailchimp
Buffer	iDoneThis	WebHook URL
Svbtle	Ghost	Basecamp

Open “https://draftin.com/publishers” in a new tab behind the current one

Graphics & Multimedia

Software

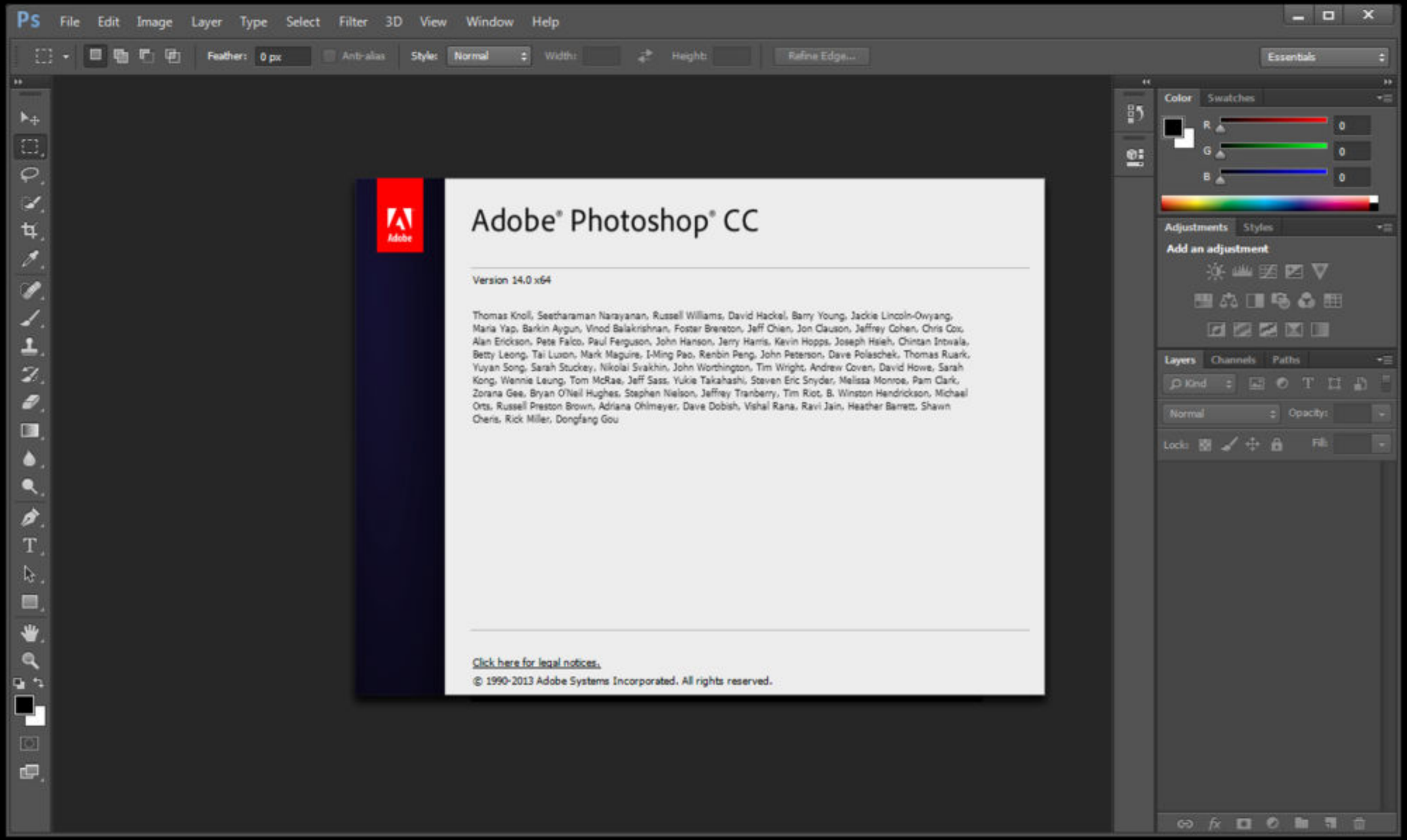
Graphics

Photoshop

Premier image editor

www.photoshop.com

$20/month


File Edit Image Layer Type Select Filter 3D View Window Help
Feather: 0 px
Anti-alias
Style: Normal
Width:
Height:
Refine Edge...
Essentials
Color Swatches
R 0
G 0
B 0
Adjustments Styles
Add an adjustment
Layers Channels Paths
Kind
Normal
Opacity:
Lock:
Fill:
Adobe
Adobe® Photoshop® CC
Version 14.0 x64
Thomas Knoll, Seetharaman Narayanan, Russell Williams, David Hackel, Barry Young, Jackie Lincoln-Owyang, Maria Yap, Barkin Aygun, Vinod Balakrishnan, Foster Brereton, Jeff Chien, Jon Clauson, Jeffrey Cohen, Chris Cox, Alan Erickson, Pete Falco, Paul Ferguson, John Hanson, Jerry Harris, Kevin Hopps, Joseph Hsieh, Chintan Intwala, Betty Leong, Tai Luxon, Mark Maguire, I-Ming Pao, Renbin Peng, John Peterson, Dave Polaschek, Thomas Ruark, Yuyan Song, Sarah Stuckey, Nikolai Svakhin, John Worthington, Tim Wright, Andrew Coven, David Howe, Sarah Kong, Wennie Leung, Tom McRae, Jeff Sass, Yukie Takahashi, Steven Eric Snyder, Melissa Monroe, Pam Clark, Zorana Gee, Bryan O'Neil Hughes, Stephen Nielson, Jeffrey Tranberry, Tim Riot, B. Winston Hendrickson, Michael Orts, Russell Preston Brown, Adriana Ohlmeyer, Dave Dobish, Vishal Rana, Ravi Jain, Heather Barrett, Shawn Cheris, Rick Miller, Dongfang Gou
Click here for legal notices.
© 1990-2013 Adobe Systems Incorporated. All rights reserved.

Acorn

A much easier-to-use image editor than Photoshop

www.flyingmeat.com/acorn/

$50

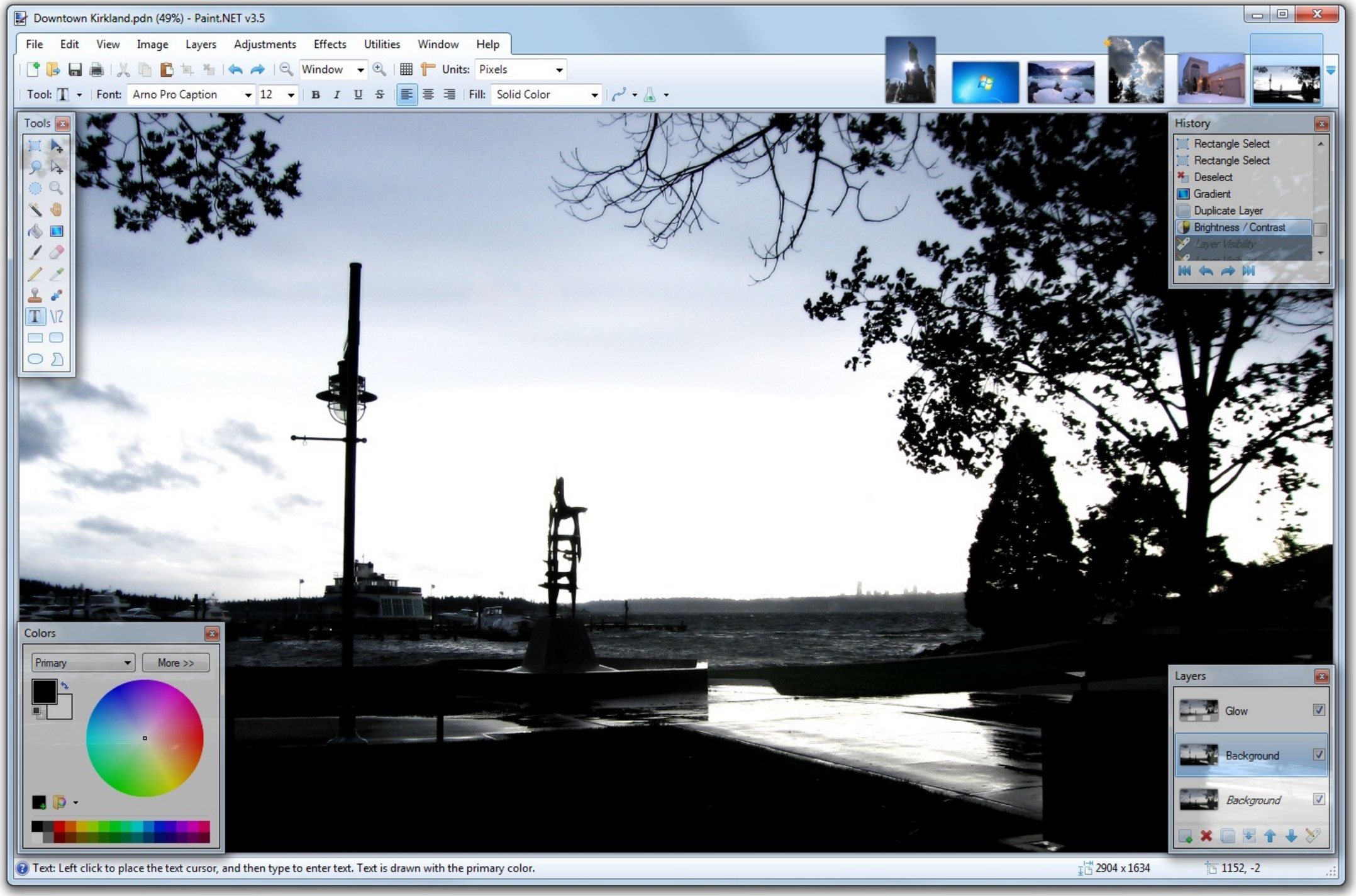
2012-11-24 22.59.18.jpg
Tools
Crop
X: 15
Width: 940
Y: 3
Height: 687
Keep crop bounds inside canvas
Preset: Choose Preset
Save As Preset...
Crop Image
Hint: Use the arrow keys for pixel precise placement.
Blending: Normal
Opacity: 100%
2012-11-24 22.59.18
Canvas: 960x720 px
200%

Paint.NET

Best free image editor for Windows

www.getpaint.net

$0


Downtown Kirkland.pdn (49%) - Paint.NET v3.5
File
Edit
View
Image
Layers
Adjustments
Effects
Utilities
Window
Help
Window
Units:
Pixels
Tool:
Font:
Arno Pro Caption
12
Fill:
Solid Color
Tools
History
Rectangle Select
Rectangle Select
Deselect
Gradient
Duplicate Layer
Brightness / Contrast
Layer Visibility
Colors
Primary
More >>
Layers
Glow
Background
Background
Text: Left click to place the text cursor, and then type to enter text. Text is drawn with the primary color.
2904 x 1634
1152, -2

Illustrator

Premier vector drawing tool, especially for SVG

www.adobe.com/products/illustrator.html

$20/month

File Edit Object Type Select Effect View Window Help
Essentials
Path
Stroke:
Basic
Opacity: 100%
Style:
Transform
appearance_panel.ai @ 150% (RGB/Preview)
Layer 1
<Group>
The Roux Academy, Art, Media, and Design
Appearance
Path
Stroke:
C=70 M=15 Y=0 K=0
Color
Color Guide
0363AD
Swatches
Brushes
Symbols
Stroke
Gradient
Transparency
Weight:
Graphic Styles
Layers
Artboards
Isolation Mo...
<Grou...
150%
Selection
lynda.com

Screenshots

Built-In

macOS

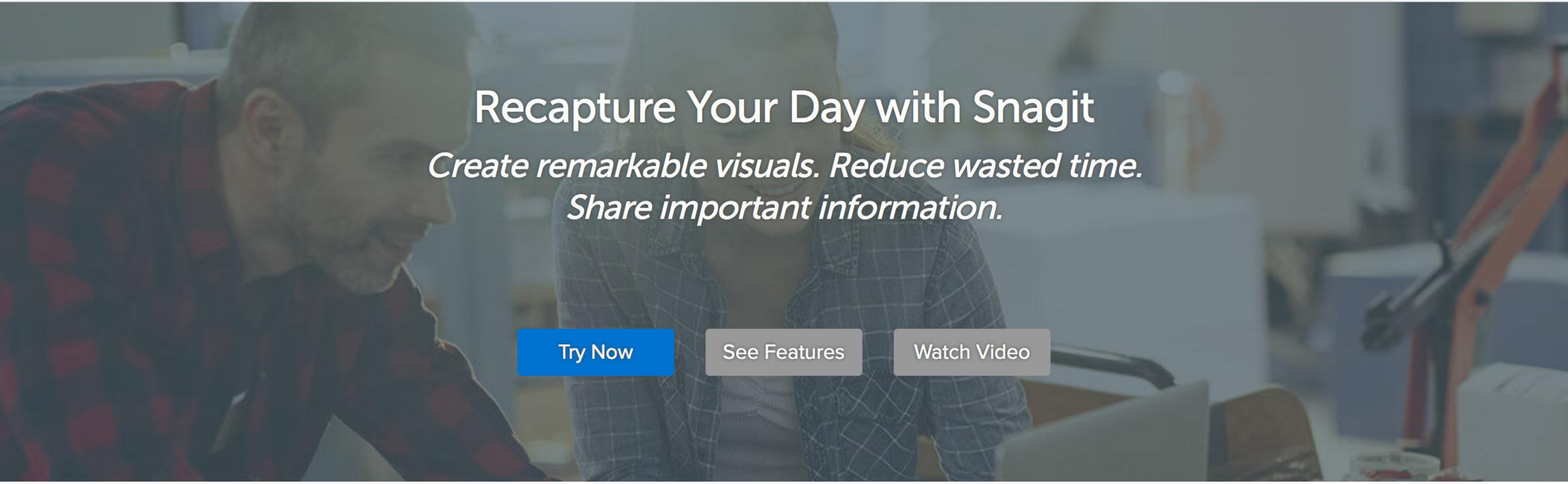
Windows

Snagit

Screenshot images or take videos & then edit them

www.techsmith.com/snagit.html

$50



Why Snagit Screen Capture?

Visuals help clarify your message and get you hours back in your work day. Snagit is the premium tool for screen capture and screen recording on Windows and Mac. Combining traditional screenshots, videos, and image editing to help you share important information with the people who need it most.

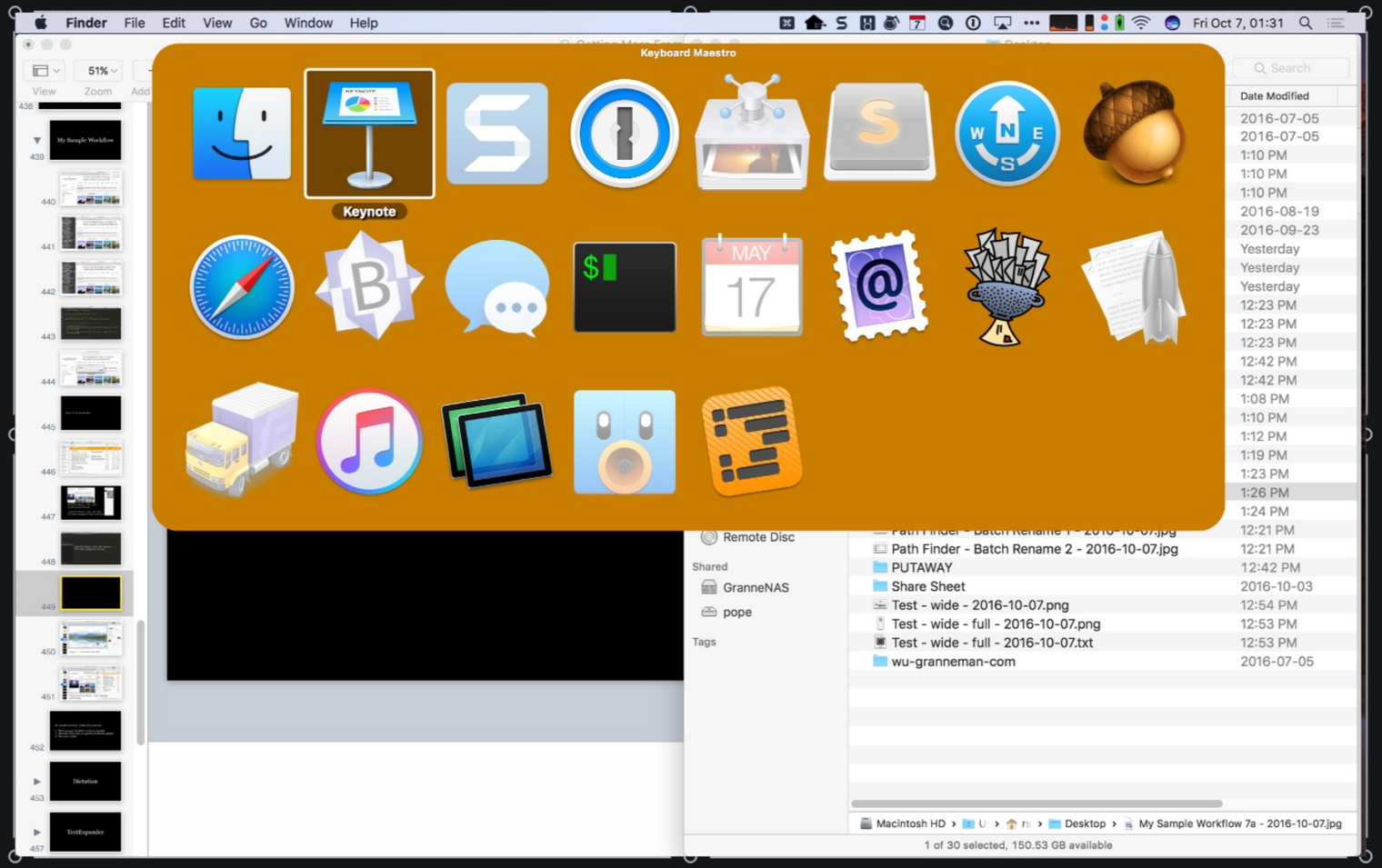
2016-10-07_13-31-45

scott@granneman.com

More

Copy All

Share



Recent

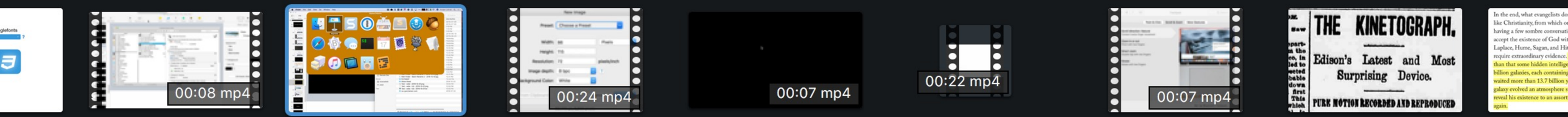
Tag

48%

1440 x 900 @2x

Effects

Properties



2016-06-07_17-33-59

scott@granneman.com

More

Copy All

Share

Quick Styles

In the end, what evangelists don't recognize is that atheism is not a belief system like Christianity, from which one might defect after hearing some arguments or having a few sombre conversations. It is, instead, simply a rational decision not to accept the existence of God without evidence. As wise thinkers, including Laplace, Hume, Sagan, and Hitchens, have often said, extraordinary claims require extraordinary evidence. It's hard to imagine a more extraordinary claim than that some hidden intelligence created a universe of more than a hundred billion galaxies, each containing more than a hundred billion stars, and then waited more than 13.7 billion years until a planet in a remote corner of a single galaxy evolved an atmosphere sufficiently oxygenated to support life, only to then reveal his existence to an assortment of violent tribal groups before disappearing again.

Tool Properties

Color

Recent

Tag

100%

682 x 350 @2x

Effects

Properties

24 mp4

00:07 mp4

00:22 mp4

00:07 mp4

THE KINETOGRAPH.

Edison's Latest and Most Surprising Device.

PURE MOTION RECORDED AND REPRODUCED

BROWSE CAPTURE RECENT STYLE SHARE

png

"This individual was wrapp
his feet were submerged in
conference.

"Obviously a homicide," he

2016-10-04_22-24-48.mp4

scott@granneman.com

Copy All

Share

New Image

Preset: Choose a Preset

Width: 86 Pixels

Height: 115

Resolution: 72 pixels/inch

Image depth: 8 bpc

Background Color: White

From Clipboard

Cancel

OK

0:00:00

0:00:24

GIF

PNG

Recent

Tag

420 x 321

00:08 mp4

00:24 mp4

00:07 mp4

00:22 mp4

00:07 mp4

THE KINETOGRAPH.

Edison's Latest and Most Surprising Device.

PURE MOTION RECORDED AND REPRODUCED

Screencasts

ScreenFlow

Powerful screencast recorder & editor

www.telestream.net/screenflow/

$100

2009 0825 Logging In

Scott Granneman's Classes

http://wu.granneman.com/

Home About Syllabi

Scott Granneman's Classes
Syllabi, Readings, and Research

Posts Comments

Tags & Categories
Abandoned Purchases
Absurdity
Addiction
Advertising
Advice
Aggregation
Amazon
Anonymity
Apple
Architecture
Archiving
Art
Assignments
Audio Resource
Automobiles
Banking
Biometrics
Biotechnology
BitTorrent

Home

Syllabi for Current Courses

From Blogs to Wikis Syllabus

Using Everyday Technology Syllabus

Quotations

"We tend to overestimate the effect of a technology in the short run and underestimate the effect in the long run."
~ Roy Amara of the Institute for the Future

"... all cultural change is essentially technology-driven."
~ William Gibson. "My Own Private Idaho". *Wired* (September 2001): 117.

"Experience with technology teaches us that once a technology makes something possible, it gets asked whether for good or ill."
~ Donald A. Norman

"Any technology has got to fail twice before it can succeed."
~ Paul Saffo

"The most powerful opportunities for human progress are rooted not in electronics but in understandings of social practices. Sociologists, political scientists, evolutionary biologists, even

Recent Posts
Articles about Twitter
Spring 2009 Practical Security Syllabus
Spring 2009 Technology and the Law Syllabus
Spring 2009 Search Engines Syllabus
The 3 key parts of news stories you usually don't get
Five Key Reasons Why Newspapers Are Failing

Yay, fair use!

Your Media

Screen Recording 8/...

Built-in iSight

When The Levee Brea...

CC Attribution-Share...

Zoom:

Add Media...

Add Recording...

00:03:19 22

3m6s 3m8s 3m10s 3m12s 3m14s 3m16s 3m18s 3m20s 3m22s 3m24s 3m26s 3m28s 3m30s 3m32s

Yay, fair use!

Duration: 4 mins 20 secs

Camtasia

Powerful screencast recorder & editor

www.techsmith.com/camtasia.html

$199 ($169 Educational)

Everything you need for stunning video

Simply bring in your footage or record a video of your screen, then use the simple editor in Camtasia to create a high-quality video.

File Edit Modify View Share Help

Camtasia - Untitled Project*

Sign In

Record

41%

Share

Media

Annotations

Transitions

Behaviors

Animations

Cursor Effects

Voice Narration

Audio Effects

Visual Effects

More

Transitions

Type: All

Fade

Fade through black

Circle stretch

Flip

Fold

Page roll

Page turn

Ripple

About Camtasia

TechSmith Camtasia™

Version 9.0.0 (Build 1306) - Sep 16 2016 (64-bit)

Multi-User License

Copyright (c) 1999-2016 TechSmith Corporation. All rights reserved. Camtasia, Camtasia Studio, and TSCC are registered trademarks of TechSmith Corporation.

Warning: This computer program is protected by copyright law and international treaties. Unauthorized reproduction or distribution of this program, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under the law.

http://www.techsmith.com

Credits...

OK

Properties

0:00:00;00

0:00:10;00

0:00:20;00

0:00:30;00

0:00:40;00

0:00:50;00

0:01:00;00

0:01:10;00

0:01:20;00

0:01:30;00

0:01:40;00

Track 1

15:04

15.10.2016

TechSmith Camtasia™

Tutorials

TechSmith Camtasia™

Tutorials

Converters

Adapter

Convert audio, video, & images

www.macroplant.com/adapter/

$0

Adapter

Download

For Mac and Windows

Video Converter

Audio Converter

Image Converter

Animated Gif Maker

Adapter Converts Video, Audio and Images.

Adapter

021354 Feline Frame-Up LT.mpg

480x480 mpeg2video ▸ mpeg4 29.97 fps

mp2 ▸ aac Stereo 44100 Hz 224 kbps

0:06:27 134.3 MB ▸ 38.8 MB

021354 Feline Frame-Up LT.mp4

Ready

SOURCE OUTPUT

Preview Duration: 5 sec

0:01:05

Directory

Source iTunes Custom

Directory: /Users/rsgran…OONEY/1954 Reveal Browse

Use custom file name 021354 Feline Frame-Up LT

If file exists at output path: Increment Overwrite

Video

Encoder: mpeg4

Frame Rate: Source

Bit Rate: Source

Play Speed: (Normal) 1.00x

Resolution

Same as Source

Preset 720x480

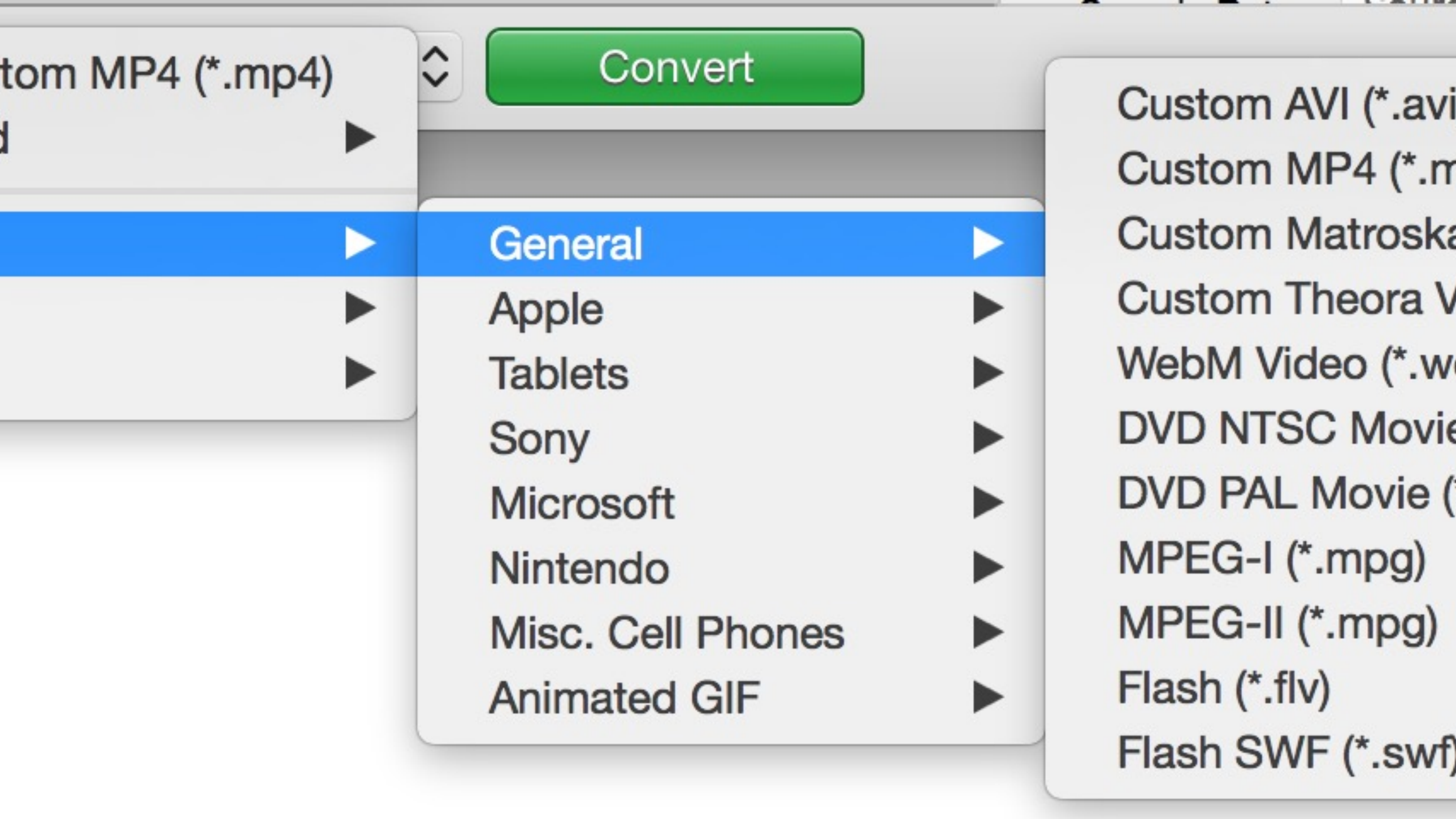
Custom W: 800 H: *

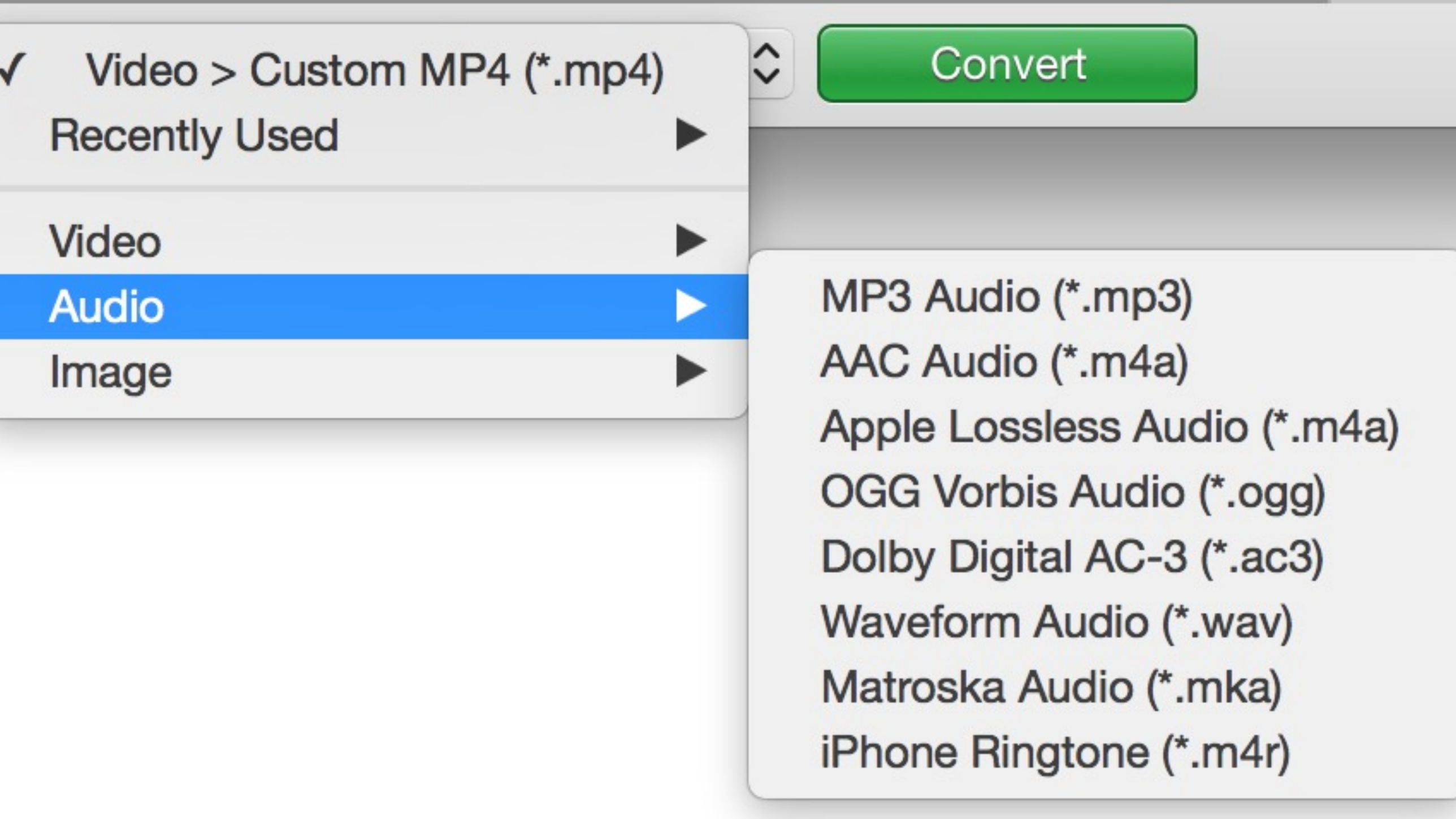
Lock Aspect Ratio

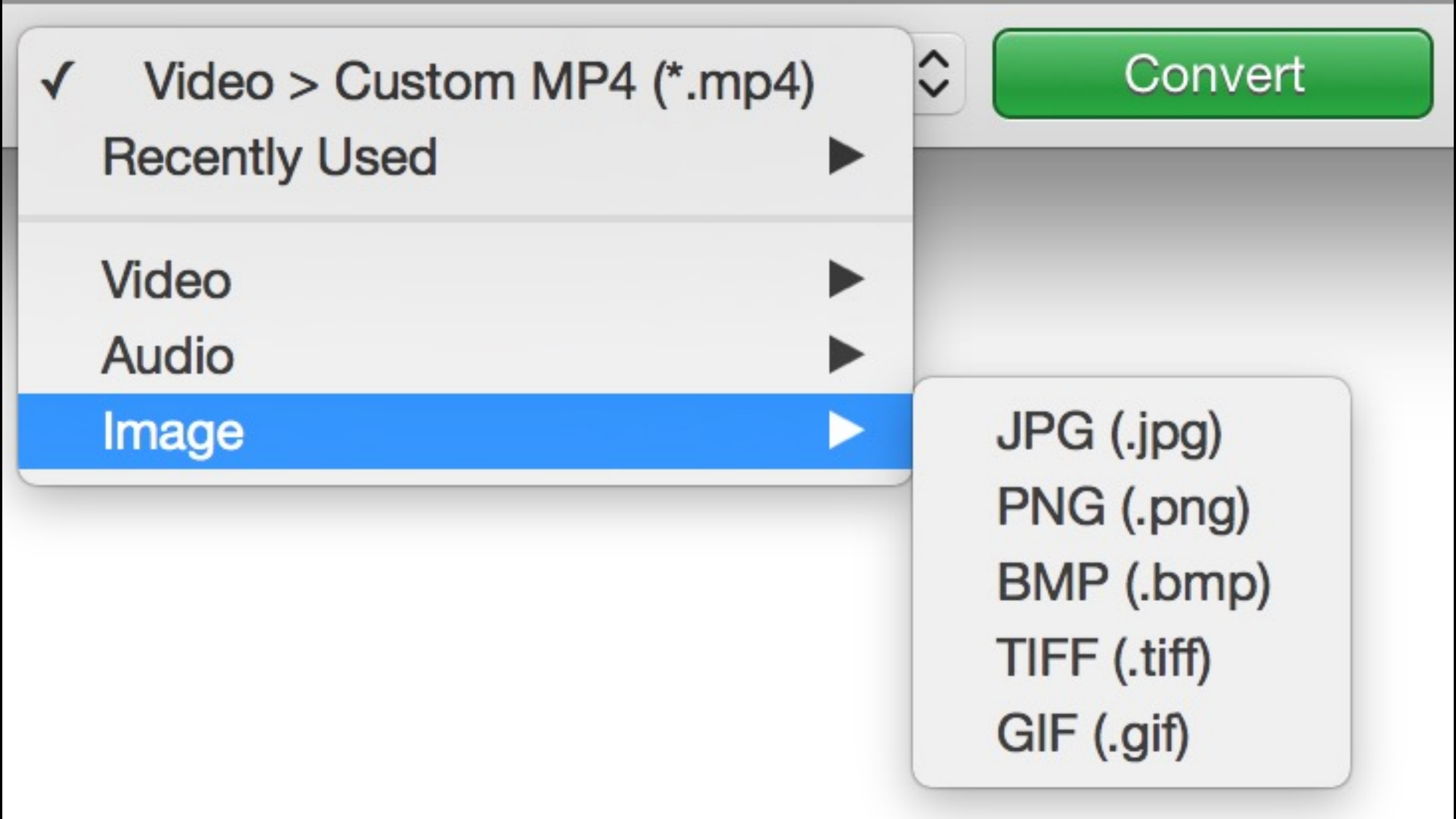
Quality: Medium (Default) Grayscale

Audio

Video > Custom MP4 (*.mp4) Convert


tom MP4 (*.mp4)
d
Convert
General
Apple
Tablets
Sony
Microsoft
Nintendo
Misc. Cell Phones
Animated GIF
Custom AVI (*.avi
Custom MP4 (*.m
Custom Matroska
Custom Theora V
WebM Video (*.w
DVD NTSC Movie
DVD PAL Movie (
MPEG-I (*.mpg)
MPEG-II (*.mpg)
Flash (*.flv)
Flash SWF (*.swf)


Video > Custom MP4 (*.mp4)
Recently Used
Video
Audio
Image
Convert
MP3 Audio (*.mp3)
AAC Audio (*.m4a)
Apple Lossless Audio (*.m4a)
OGG Vorbis Audio (*.ogg)
Dolby Digital AC-3 (*.ac3)
Waveform Audio (*.wav)
Matroska Audio (*.mka)
iPhone Ringtone (*.m4r)


Convert
✓ Video > Custom MP4 (*.mp4)
Recently Used
Video
Audio
Image
JPG (.jpg)
PNG (.png)
BMP (.bmp)
TIFF (.tiff)
GIF (.gif)

Handbrake

Convert video (including DVDs) to MP4 or MKV

handbrake.fr

$0 & open source

HandBrake

The open source video transcoder

HandBrake is a tool for converting video from nearly any format to a selection of modern, widely supported codecs.

Reasons you'll love HandBrake:

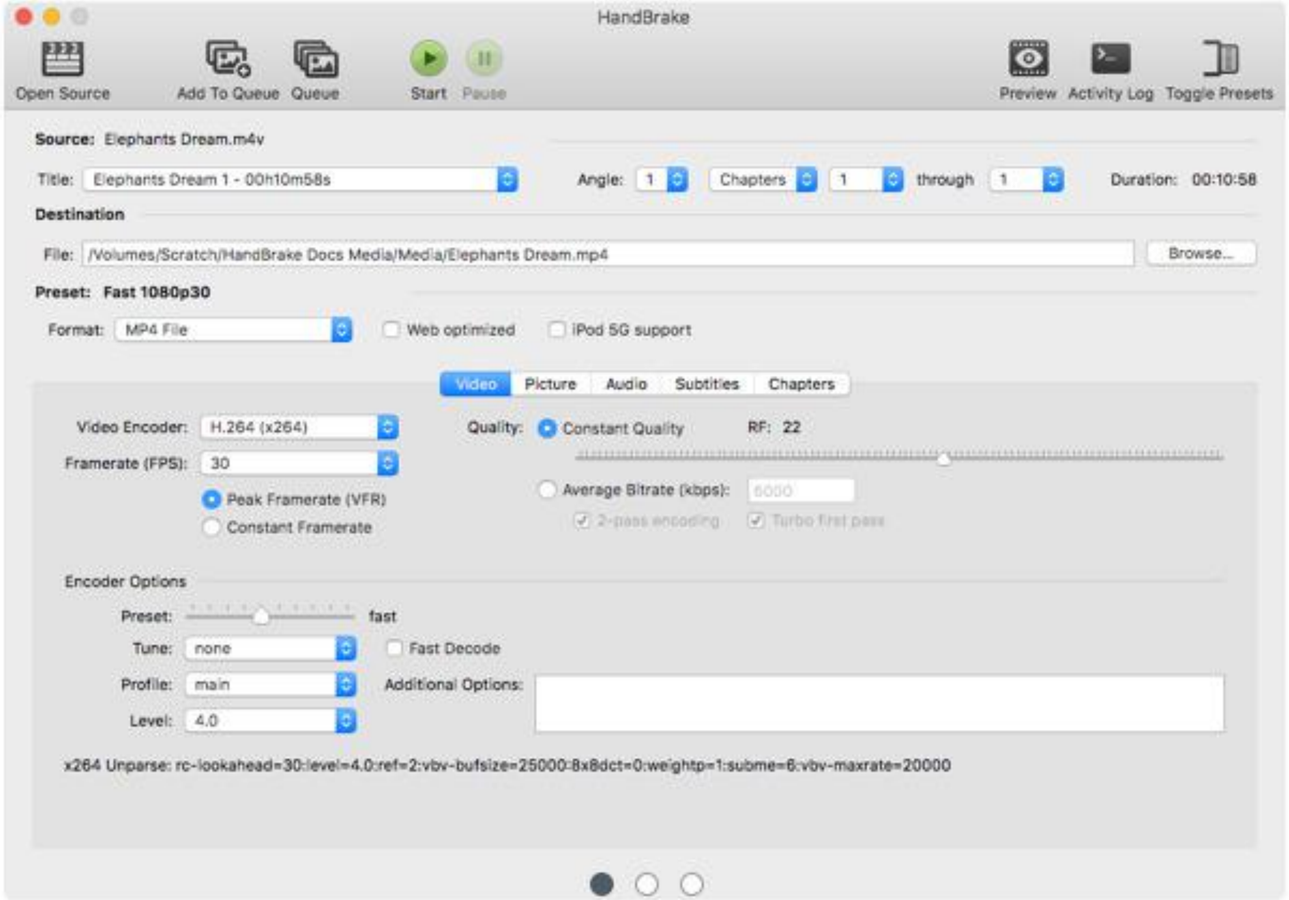
- Convert video from nearly any format
- Free and Open Source
- Multi-Platform (Windows, Mac and Linux)

Download HandBrake 1.0.1
For Mac OS X 10.7 or later

(Other Platforms)

It's free!

Latest News: 1.0.0 Released!



HandBrake

Open Source | Add To Queue | Queue | Start | Pause | Preview | Activity Log | Toggle Presets

Source: A Tour of the White House.... Kennedy-T7XabXENChE.mkv

Title: A Tour of the White House with Mrs. John F. Kennedy-T | Angle: 1 | Chapters 1 through 1 | Duration: 00:57:37

Destination

File: /Users/rsgranne/Desktop/A Tour of the White House with Mrs. John F. Kennedy-T7XabXENChE.m4v | Browse...

Preset: Fast 1080p30

Format: MP4 File | Web optimized | iPod 5G support

Video | Picture | Audio | Subtitles | Chapters

Video Encoder: H.264 (x264)

Framerate (FPS): 30

Peak Framerate (VFR)

Constant Framerate

Quality: Constant Quality RF: 22

Average Bitrate (kbps): 6000

2-pass encoding | Turbo first pass

Encoder Options

Preset: fast

Tune: none | Fast Decode

Profile: main | Additional Options:

Level: 4.0

x264 Unparse: weightp=1:ref=2:level=4.0:rc-lookahead=30:8x8dct=0:vbv-maxrate=20000:subme=6:vbv-bufsize=25000

- General
  - Very Fast 1080p30
  - Very Fast 720p30
  - Very Fast 576p25
  - Very Fast 480p30
  - **Fast 1080p30**
  - Fast 720p30
  - Fast 576p25
  - Fast 480p30
  - HQ 1080p30 Surround
  - HQ 720p30 Surround
  - HQ 576p25 Surround
  - HQ 480p30 Surround
  - Super HQ 1080p30 Surr...
  - Super HQ 720p30 Surro...
  - Super HQ 576p25 Surro...
  - Super HQ 480p30 Surro...
- Web
- Devices
- Matroska
- Legacy

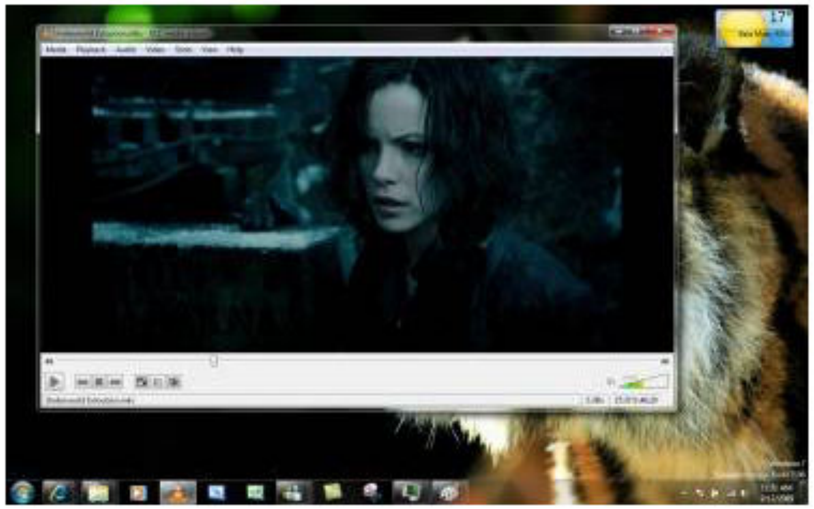
VLC

Convert video & audio — & it plays everything!

www.videolan.org/vlc/

$0 & open source

VideoLAN, a project and a non-profit organization.



VLC media player

VLC is a free and open source cross-platform multimedia player and framework that plays most multimedia files as well as DVDs, Audio CDs, VCDs, and various streaming protocols.

Download VLC

Version 2.2.4 • Mac OS X • 33 MB
131,393,185 downloads so far

Simple, fast and powerful

- ✔ **Plays everything** - Files, Discs, Webcams, Devices and Streams.
- ✔ **Plays most codecs with no codec packs needed** - MPEG-2, MPEG-4, H.264, MKV,

Convert & Stream

Drop media here

2016-03-12 Finny screams in the car 2.MOV

Open media...

Choose Profile

Video - H.264 + MP3 (MP4)

Customize...

Choose Destination

Stream

Save as File

Go!

Convert & Stream

Drop media here

2016-03-12 Finny screams in the car 2.MOV

Open media...

Choose Profile

Customize...

- ✓ Video - H.264 + MP3 (MP4)
- Video - VP80 + Vorbis (Webm)
- Video - H.264 + MP3 (TS)
- Video - Dirac + MP3 (TS)
- Video - Theora + Vorbis (OGG)
- Video - Theora + Flac (OGG)
- Video - MPEG-2 + MPGA (TS)
- Video - WMV + WMA (ASF)
- Video - DIV3 + MP3 (ASF)
- Audio - Vorbis (OGG)
- Audio - MP3
- Audio - MP3 (MP4)
- Audio - FLAC
- Audio - CD
- Custom
- Organize Profiles...

Choose Destina

ve as File

Go!

Convert & Stream

Encapsulation | Video codec | Audio codec | Subtitles

- MPEG-TS
- Webm
- Ogg/Ogm
- MP4/MOV
- MPEG-PS
- MJPEG
- WAV
- FLV
- MPEG 1
- MKV
- RAW
- AVI
- ASF/WMV

Save as new Profile... | Cancel | Apply

Stream | Save as File

Go!

Optimization

Design

Before responsive design, websites normally needed designs for 2 templates*: the home page & every other page

*Sometimes a site required more; the Saint Louis Zoo, for instance, needed a template for animal detail pages

WebSanity - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites Media

Address http://www.websanity.com/ Go Links

Site Labeling

Alternative Navigation

Alternative Navigation

Utility Navigation

Core Content Navigation

Directory

Banners

Brand Communication

Featured Banner

News & Features

Footer

Internet

Start WebSanity - Microsoft... 3:20 PM

WebSanity - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites Media

Address http://www.websanity.com/ Go Links

Fontbonne UNIVERSITY

Fontbonne UNIVERSITY OPTIONS

READY TO APPLY?

Site Map | Search

Shortcuts for ...

ABOUT ACADEMICS ADMISSIONS STUDENT LIFE ATHLETICS ALUMNI CALENDAR LEARN ONLINE directory

Finish what you started.

Transfer Open House

Oct. 3

register

OPTIONS

Adult Degree Programs

Enroll now. Lock in tuition!

Treasure in the Tropics

Alumni Reunion Weekend

Sept. 28 – 30

learn more

NEWS & FEATURES

- Rabbis to Lecture as Part of Dedicated Semester
- October Book Club Features Famed Hemingway Author
- Our Deaf Education Major Could be for You!
- Fontbonne and St. Louis Community College Team Up on Transfer Program
- I-64/40 Traffic Updates
- More News...

Privacy Policy | © 2005-2007 All Rights Reserved | About This Site

Fontbonne University · 6800 Wydown Boulevard · St. Louis, MO 63105 · 314-862-3456 · 800-205-5862

Proudly sponsored by the Sisters of St. Joseph of Carondelet

Internet

Start WebSanity - Microsoft... 3:20 PM

WebSanity - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites Media

Address http://www.websanity.com/ Go Links

Site Labeling

Alternative Navigation

Alternative Navigation

Utility Navigation

Core Content Navigation

Brand Communication

Path Navigation

Page Labeling

Sub-page Navigaion (when needed)

Featured Images
(optional)

Page Content

Sidebar
(optional)

Footer

Internet

Start WebSanity - Microsoft... 3:20 PM

WebSanity - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites Media

Address http://www.websanity.com/ Go Links

Fontbonne UNIVERSITY

Fontbonne UNIVERSITY OPTIONS

READY TO APPLY?

Site Map | Search

Shortcuts for ...

ABOUT ACADEMICS ADMISSIONS STUDENT LIFE ATHLETICS ALUMNI CALENDAR LEARN ONLINE directory

Home > Student Life

STUDENT LIFE

Activities	Intramurals	Orientation	Student Affairs
Bookstore	Leadership Development	Parents	Study Abroad
Campus Ministry	Multicultural Affairs	Personal Counseling	What's to Eat?
Career Services	Organizations	Residential Living	

You can't put a price on quality of life at college, but a rich learning environment is another reason that Fontbonne is a great value. Here you will find a close-knit community and plenty to do.

We offer a neighborhood environment where you can grow in self-discipline, organizational skills, effective study habits and independent living. The neighborhood atmosphere also provides the opportunity to develop study partners, support systems and lasting friendships with a diverse group of neighbors.

You go to your professors or academic advisors for questions about classes, grades and registration, but where do you go for everything else that goes along with the college experience?

As the Student Affairs Office, we're the people who help you with life outside of the classroom. Whether it's getting situated in Residential Living, learning about Student Activities or Student Organizations, participating in the Study Abroad program, or learning about diversity through Multicultural Affairs, we will help you find your niche.

Internet

Start WebSanity - Microsoft... 3:20 PM

WebSanity - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Minimize

Back Search Favorites Media

Address http://www.websanity.com/ Go Links

Utility Navigation

Site Labeling & Brand Communication

Core Content Navigation

Page Content

Footer

Internet

Start WebSanity - Microsoft... 3:20 PM

WebSanity - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites Media

Address http://www.websanity.com/ Go Links

search | site map | contact | forms

geochemical society

society | publications | awards | programs | news

Highlights

GS President's Blog

2008 Board Election Ballot

Geochemical News #132 is now available

2007 Ingerson Lecture at Annual GSA

Look/submit a job to our Job Announcements list

Privacy Policy | © 2005-2007 All Rights Reserved | About This Site

Organization Name · 123 Fourth St. · St. Louis, MO 63111 · 314-555-1212

Internet

Start WebSanity - Microsoft... 3:20 PM

WebSanity - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites Media

Address http://www.websanity.com/ Go Links

search | site map | contact | forms

geochemical society

society | publications | awards | programs | news

Highlights

GS President's Blog

2008 Board Election Ballot

Geochemical News #132 is now available

2007 Ingerson Lecture at Annual GSA

Look/submit a job to our Job Announcements list

Privacy Policy | © 2005-2007 All Rights Reserved | About This Site

Organization Name · 123 Fourth St. · St. Louis, MO 63111 · 314-555-1212

Internet

Start WebSanity - Microsoft... 3:20 PM

WebSanity - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites Media

Address http://www.websanity.com/ Go Links

search | site map | contact | forms

geochemical society

society | publications | awards | programs | news

Highlights

GS President's Blog

2008 Board Election Ballot

Geochemical News #132 is now available

2007 Ingerson Lecture at Annual GSA

Look/submit a job to our Job Announcements list

Privacy Policy | © 2005-2007 All Rights Reserved | About This Site

Organization Name · 123 Fourth St. · St. Louis, MO 63111 · 314-555-1212

Internet

Start WebSanity - Microsoft... 3:20 PM

WebSanity - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites Media

Address http://www.websanity.com/ Go Links

Utility Navigation

Site Labeling & Brand Communication

Core Content Navigation

Path Navigation

Page Labeling

Sub-page Navigaion (when needed)

Featured Images
(optional)

Page Content

Sidebar
(optional)

Footer

Internet

Start WebSanity - Microsoft... 3:20 PM

WebSanity - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites Media

Address http://www.websanity.com/ Go Links

search | site map | contact | forms

geochemical society

society | publications | awards | programs | news

home > news > columns

Geochem Society Committees

Joint Publications Committee
Nominations Committee
Program Committee
Award Selection Committees
Fellows Selection Committees
Organic Geochemistry Division Executive Committee
Organic Geochemistry Division Nominations Committee

Seacula quarta decima et quinta decima eodem modo typi qui nunc. Anteposuerit litterarum formas humanitatis per nobis videntur parum clari fiant sollemnes in. Dignissim qui blandit praesent luptatum zzril delenit augue duis dolore te feugait. Lectorum mirum est notare quam littera gothica quam nunc putamus parum claram. Investigationes demonstraverunt lectores legere me lius quod ii legunt saepius, claritas est etiam processus.

Doming id quod mazim placerat facer possim assum typi, non habent claritatem insitam est usus. Iis qui facit eorum claritatem Investigationes demonstraverunt lectores? Legentis in

Save The Date

Assum typi non habent claritatem insitam est usus legentis. Zzril delenit augue duis dolore te feugait nulla facilisi nam liber tempor. Littera gothica quam nunc putamus, parum claram anteposuerit litterarum formas humanitatis per seacula quarta decima et.

In iis qui facit eorum claritatem Investigationes demonstraverunt lectores legere. Dolore eu feugiat nulla facilisis at vero eros et accumsan et.

Ut aliquip ex ea commodo consequat duis autem vel eum iriure

Privacy Policy | © 2005-2007 All Rights Reserved | About This Site
Organization Name · 123 Fourth St. · St. Louis, MO 63111 · 314-555-1212

Internet

Start WebSanity - Microsoft... 3:20 PM

WebSanity - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites Media

Address http://www.websanity.com/ Go Links

search | site map | contact | forms

geochemical society

society | publications | awards | programs | news

home > news > columns

Geochem Society Committees

Joint Publications Committee
Nominations Committee
Program Committee
Award Selection Committees
Fellows Selection Committees
Organic Geochemistry Division Executive Committee
Organic Geochemistry Division Nominations Committee

Seacula quarta decima et quinta decima eodem modo typi qui nunc. Anteposuerit litterarum formas humanitatis per nobis videntur parum clari fiant sollemnes in. Dignissim qui blandit praesent luptatum zzril delenit augue duis dolore te feugait. Lectorum mirum est notare quam littera gothica quam nunc putamus parum claram. Investigationes demonstraverunt lectores legere me lius quod ii legunt saepius, claritas est etiam processus.

Doming id quod mazim placerat facer possim assum typi, non habent claritatem insitam est usus. Iis qui facit eorum claritatem Investigationes demonstraverunt lectores? Legentis in

Save The Date

Assum typi non habent claritatem insitam est usus legentis. Zzril delenit augue duis dolore te feugait nulla facilisi nam liber tempor. Littera gothica quam nunc putamus, parum claram anteposuerit litterarum formas humanitatis per seacula quarta decima et.

In iis qui facit eorum claritatem Investigationes demonstraverunt lectores legere. Dolore eu feugiat nulla facilisis at vero eros et accumsan et.

Ut aliquip ex ea commodo consequat duis autem vel eum iriure

Privacy Policy | © 2005-2007 All Rights Reserved | About This Site
Organization Name · 123 Fourth St. · St. Louis, MO 63111 · 314-555-1212

Internet

Start WebSanity - Microsoft... 3:20 PM

lg

Brand

Core Content Navigation

Utility Navigation

Page Title & Sub-page Nav

Path Navigation

Pictures

Body

Sidebar

Footer

Brand
Core Content Navigation
Utility Navigation
Page Title & Sub-page Nav
Path Navigation
Pictures
Body
Sidebar
Footer

Body

sm

Pictures

Side

Brand

Nav

Page Title & Sub-page Nav

Path Navigation

Body

Pictures

Sidebar

Footer

xs

Languages

Web-Native

Separation of Concerns

Divide computer program into separate concerns, each focusing on a specific resource

Structure: HTML

Presentation: CSS

Behavior: JavaScript

HTML: *HyperText Markup Language*

Describes the semantic structure of a webpage

developer.mozilla.org/en-US/docs/Web/HTML/Element

HTML element reference

see all contributors

SEE ALSO

HTML

Tutorials:

- Introductory
- Intermediate
- Advanced

References:

- HTML elements
  - HTML element reference
  - <a>
  - <abbr>
  - <acronym>
  - <address>
  - <applet>
  - <area>
  - <article>
  - <aside>

IN THIS ARTICLE

This page lists all the HTML elements. They are grouped by function to help you find what you have in mind easily. Although this guide is written for those who are newer to coding, we intend it to be useful for anyone.

Basic elements

Basic elements are the backbone of any HTML document. You'll see these elements in the source code for all web pages, following the doctype declaration, which is on the first line of the page. The doctype specifies which version of (X)HTML that page is using. Elements comprising the contents of a Web page are placed between the opening `<html>` tag and the closing `</html>` tag. The `<html>` element is also known as the root element.

Element	Description
`<html>`	The **HTML `<html>` element** (or *HTML root element*) represents the root of an HTML document. All other elements must be descendants of this element.

CSS: *Cascading Style Sheets*

Describes the presentation (formatting & positioning) of objects on a webpage

developer.mozilla.org/en-US/docs/Web/CSS/Reference

CSS reference

see all contributors

This *CSS Reference* shows the basic syntax of a CSS rule; lists all standard CSS properties, pseudo-classes and pseudo-elements, @-rules, units, and selectors, all together in alphabetical order, as well as just the selectors by type; and allows you to quickly access detailed information for each of them. It not only lists the CSS 1 and CSS 2.1 properties, but also is a CSS3 reference that links to any CSS3 property and concept standardized, or already stabilized. Also included is a brief DOM-CSS / CSSOM reference.

Note that CSS rule-definitions are entirely (ASCII) text-based, whereas DOM-CSS / CSSOM, the rule-management system, is object-based.

See also Mozilla CSS Extensions for Gecko-specific properties prefixed with `-moz`; and WebKit CSS Extensions for WebKit-specific properties. See Vendor-prefixed CSS Property Overview by Peter Beverloo for all prefixed properties.

IN THIS ARTICLE

Basic rule syntax
Keyword index
Selectors
CSS3 Tutorials
Concepts
DOM-CSS / CSSOM

Basic rule syntax

Be warned that any syntax error in a rule-definition will invalidate the entire rule.

Style rules

```
selectorlist { property: value; [more property:value; pairs] }
```

HTML & CSS Frameworks

Normalize.css

A set of CSS resets so browsers render all elements more consistently

necolas.github.io/normalize.css/

$0 & open source

Normalize.css

A modern, HTML5-ready alternative to CSS resets

Normalize.css makes browsers render all elements more consistently and in line with modern standards. It precisely targets only the styles that need normalizing.

Download v4.1.1

Chrome, Firefox, Opera, Safari 6+, IE 8+

See the CHANGELOG

HTML5 Boilerplate

A set of HTML, CSS, JavaScript, & supporting files you can use to quickly build a site—& integrates with Bootstrap

html5boilerplate.com

$0 & open source

HTML5 ★ BOILERPLATE

SOURCE CODE DOCS OTHER PROJECTS

The web's most popular front-end template

HTML5 Boilerplate helps you build **fast**, **robust**, and **adaptable** web apps or sites. Kick-start your project with the combined knowledge and effort of 100s of developers, all in one little package.

Download v4.3.0

Get a custom build

See the CHANGELOG

Basic structure

A basic HTML5 Boilerplate site initially looks something like this:

```
.
├── css
│   ├── main.css
│   └── normalize.css
├── doc
├── img
├── js
│   ├── main.js
│   ├── plugins.js
│   └── vendor
│       ├── jquery.min.js
│       └── modernizr.min.js
├── .editorconfig
├── .htaccess
├── 404.html
├── apple-touch-icon.png
├── browserconfig.xml
├── index.html
├── humans.txt
├── robots.txt
├── crossdomain.xml
├── favicon.ico
├── tile-wide.png
└── tile.png
```

What follows is a general overview of each major part and how to use them.

Foundation

2nd most popular responsive framework on the Web

foundation.zurb.com

$0 & open source

Foundation

The most advanced responsive front-end framework in the world.

Download Foundation 6

21.8k GitHub stars

@ZURBfoundation

Bootstrap

Most widely used framework on the Web for developing responsive, mobile-first websites

getbootstrap.com

$0 & open source

Aww yeah, Bootstrap 4 is coming!

Bootstrap | Getting started | CSS | Components | JavaScript | Customize | Themes | Expo | Blog

B

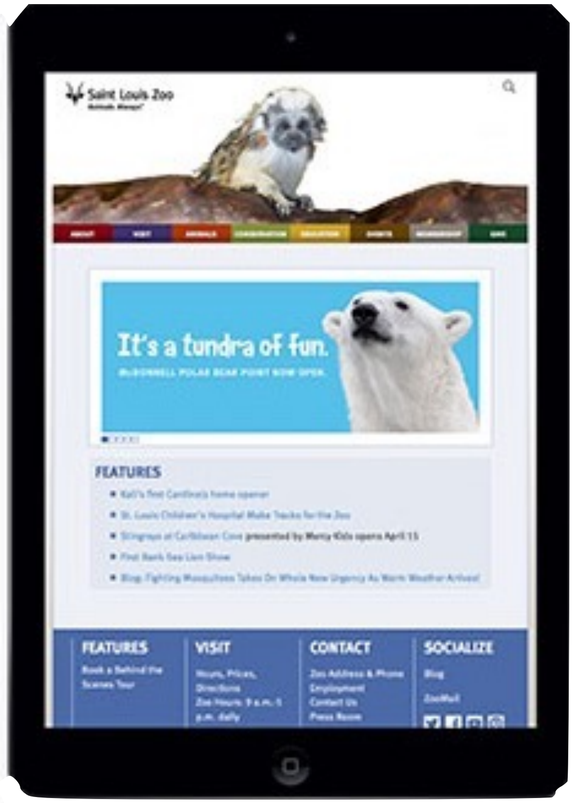
Bootstrap is the most popular HTML, CSS, and JS framework for developing responsive, mobile first projects on the web.

Download Bootstrap

Currently v3.3.6

HipChat
Imagine a workplace
Chat, made for business.
Video chat, file sharing &
IM. $0/unlimited users.

Saint Louis Zoo
Animals Always®
ABOUT
VISIT
ANIMALS
CONSERVATION
EDUCATION
EVENTS
MEMBERSHIP
GIVE
ZooMail
Join ZooMail to receive updates on events, animals, Zoo attractions and more!
FEATURES
Kall's first Cardinals home opener
St. Louis Children's Hospital Make Tracks for the Zoo
Stingrays at Caribbean Cove presented by Mercy Kids opens April 15
First Bank Sea Lion Show
Blog: Fighting Mosquitoes Takes On Whole New Urgency As Warm Weather Arrives!
FEATURES
Book a Behind the Scenes Tour
VISIT
Hours, Prices, Directions
Zoo Hours: 9 a.m.-5 p.m. daily
Save with Adventure Passes
Zoo Attractions
Plan Your Visit
CONTACT
Zoo Address & Phone
Employment
Contact Us
Press Room
SOCIALIZE
Blog
ZooMail


Saint Louis Zoo
It's a tundra of fun.
FEATURES
VISIT
CONTACT
SOCIALIZE

Adopt Ziggy
FEATURES

JavaScript

Lightweight, interpreted, object-oriented scripting language for Web pages

developer.mozilla.org/en-US/docs/Web/JavaScript

JavaScript

JavaScript® (often shortened to **JS**) is a lightweight, interpreted, object-oriented language with first-class functions, most known as the scripting language for Web pages, but used in many non-browser environments as well such as node.js or Apache CouchDB. It is a prototype-based, multi-paradigm scripting language that is dynamic, and supports object-oriented, imperative, and functional programming styles.

A re-introduction to JavaScript
An overview for those who *think* they know about JavaScript

The JavaScript standard is ECMAScript. As of 2012, all modern browsers fully support ECMAScript 5.1. Older browsers support at least ECMAScript 3. A 6th major revision of the standard is in the works. The current progress of different new and improved features can be followed on the dedicated wiki.

This section of the site is dedicated to the JavaScript language itself, the parts that are not specific to Web pages, or other host environments. For information about APIs specific to Web pages, please see Document Object Model (DOM). Read more about how the DOM and JavaScript fit together in the DOM Reference.

JavaScript is not to be confused with the Java programming language.

Documentation

JavaScript Guide
If you are new to JavaScript, you should read this guide.

Tools & advanced resources

- Firefox Developer Tools - The excellent built-in tools for Firefox.
- Koding - an online development platform that makes it easy to start coding

JavaScript ≠ Java!

“Java is a general-purpose computer programming language that is concurrent, class-based, object-oriented, and specifically designed to have as few implementation dependencies as possible. It is intended to let application developers ‘write once, run anywhere’ (WORA), meaning that compiled Java code can run on all platforms that support Java without the need for recompilation. Java applications are typically compiled to bytecode that can run on any Java virtual machine (JVM) regardless of computer architecture.” — Wikipedia

“JavaScript is a high-level, dynamic, untyped, and interpreted programming language.” —Wikipedia

JavaScript Frameworks, Libraries, & Tools

JSON

jQuery

Most popular (65% of top 10 million websites!) JavaScript library, designed to simplify client-side scripting

jquery.com

$0 & open source

jQuery

write less, do more.

Lightweight Footprint

Only 32kB minified and gzipped. Can also be included as an AMD module

CSS3 Compliant

Supports CSS3 selectors to find elements as well as in style property manipulation

Cross-Browser

IE, Firefox, Safari, Opera, Chrome, and more

Download jQuery
v1.11.1 or v2.1.1

View Source on GitHub →
How jQuery Works →

What is jQuery?

jQuery is a fast, small, and feature-rich JavaScript library. It makes things like HTML document traversal and manipulation, event handling, animation, and Ajax much simpler with an easy-to-use API that works across a multitude of browsers. With a combination of versatility and extensibility, jQuery has changed the way that millions of people write JavaScript.

Resources

- jQuery Core API Documentation
- jQuery Learning Center
- jQuery Blog
- Contribute to jQuery
- About the jQuery Foundation

Node.js

Open source runtime environment, built on Google's V8 JavaScript engine, for server-side JavaScript apps

nodejs.org

$0 & open source

Node.js® is a JavaScript runtime built on Chrome's V8 JavaScript engine. Node.js uses an event-driven, non-blocking I/O model that makes it lightweight and efficient. Node.js' package ecosystem, npm, is the largest ecosystem of open source libraries in the world.

Important security notification regarding npm

Download for OS X (x64)

v4.4.3 LTS
Recommended For Most Users

v5.11.0 Stable
Latest Features

Other Downloads | Changelog | API Docs Other Downloads | Changelog | API Docs

Or have a look at the LTS schedule.

React

JavaScript library developed & maintained by Facebook for building user interfaces

facebook.github.io/react/

$0 & open source

React

A JAVASCRIPT LIBRARY FOR BUILDING USER INTERFACES

Get Started Download React v15.0.1

JUST THE UI

Lots of people use React as the V in MVC. Since React makes no assumptions about the rest of your technology stack, it's easy to try it out on a small feature in an existing project.

VIRTUAL DOM

React abstracts away the DOM from you, giving a simpler programming model and better performance. React can also render on the server using Node, and it can power native apps using React Native.

DATA FLOW

React implements one-way reactive data flow which reduces boilerplate and is easier to reason about than traditional data binding.

AngularJS

JavaScript framework developed by Google for building single-page web applications

angularjs.org

$0 & open source

ANGULARJS by Google

HTML enhanced for web apps!

Download AngularJS 1

(1.5.5 / 1.2.29)

Try the new Angular 2

2.0 NOW IN BETA!

View on GitHub

Design Docs & Notes

Follow +AngularJS on G+

Follow @angularjs

Tweet

MEAN: a full-stack JavaScript-based open source stack

- MongoDB: document-oriented NoSQL database
- Express: Node.js web app framework
- AngularJS: web app framework for single-page apps
- Node.js: runtime for building server-side web apps

Server-Side

Instead of running in the client (the web browser), these run on the server

PHP

Popular scripting language for the Web

php.net

$0 & open source

PHP is a popular general-purpose scripting language that is especially suited to web development.

Fast, flexible and pragmatic, PHP powers everything from your blog to the most popular websites in the world.

DOWNLOAD

5.5.12 · Release Notes
5.4.28 · Release Notes
5.3.28 · Release Notes

PHP 5.6.0beta3 Released »

15 May 2014

The PHP development team announces the immediate availability of PHP 5.6.0beta3. As we entered the feature freeze with beta1, this is is a bugfix-only release. All users of PHP are encouraged to test this version carefully, and report any bugs in the bug tracking system.

THIS IS A DEVELOPMENT PREVIEW - DO NOT USE IT IN PRODUCTION!
For more information about the new features you can check out the work-in-progress documentation or you can read the full list of changes in the NEWS file contained in the release archive.

For source downloads of PHP 5.6.0beta3 please visit the download page. Windows binaries can be found on windows.php.net/qa/.

Our fourth and final beta should show up on the 29th of May.

Thank you for helping us make PHP better.

Upgrading to PHP5.5

Conferences Calling for papers

- Northeast PHP Conference

Upcoming conferences

- PHP Conference Argentina
- Dutch PHP Conference 2014
- php[tek] 2014 : Schedule Announced
- International PHP Conference - Spring Edition - 2014

Ruby on Rails

Web application framework written in Ruby that provides default structures for a database, a web service, & web pages

rubyonrails.org

$0 & open source

Imagine what you could build if you learned Ruby on Rails...

Learning to build a modern web application is daunting. Ruby on Rails makes it much easier and more fun. It includes everything you need to build fantastic applications, and you can learn it with the support of our large, friendly community.

Latest version — Rails 5.0.0.beta3 released February 24, 2016

.NET

Microsoft’s huge software framework for the Web, mobile, & desktop

microsoft.com/net

$0 & some parts are open source

Any developer, any app, any platform

.NET Framework

A comprehensive programming model for building any application, from mobile to web to desktop

Build powerful Windows, web, mobile apps and games using .NET and Visual Studio

Download
.NET Framework 4.6.1

Other versions

.NET Core *Preview*

A new cross-platform, open source .NET optimized for modern app needs and developer workflows

Create blazing fast, light weight, modular web applications, services and libraries that run everywhere

Get
.NET Core

Get
ASP.NET Core

CMS

What’s a CMS?

“A *content management system* (CMS) is a computer application that supports the creation and modification of digital content using a common user interface and thus usually supporting multiple users working in a collaborative environment.” —Wikipedia

Common features

- Web-based publishing
- Format management
- WYSIWYG editor
- Revision & version control
- Asset indexing, search, & retrieval

2 components to a CMS

- A *front-end user interface* that allows non-technical users to add, modify & remove content from a website without needing IT help
- A *back-end program* that compiles content & templates & updates the website

CMS Yes!	CMS No!
More than 1 editor	1 editor
Non-technical editors	Technical editors
Large site	Small site
Content changes regularly	Billboard

Software

Try before you buy

arvixe
Open Source Hosting Made Easy
99.9% Uptime Guarantee

Like 2.8K
Tweet G+1 237 Share

Open Source CMS Demos

All CMS Demos (121)
CMS / Portals (55)
Forums (13)
eCommerce (9)
Image Galleries (9)
Blogs (8)
Lite (8)
Miscellaneous (7)
Groupware (5)
Wiki (4)
e-Learning (3)

Advertisement

Dolphin Pro

Welcome to OpenSourceCMS.com

OpenSourceCMS.com is a central resource for all things related to Open Source CMS and gives you the opportunity to "try out" most of the best Open Source CMS tools in the world without marketing fluff or sales people.

Feel free to browse around on the site and try fully configured standard demos of the systems you are interested in and rate them or comment on them as you go to help others make their choice of a CMS an easier one.

e107 v2.1 Bootstrap CMS Released.

Story added: March 19 2016 12:52 pm / Posted By: The e107 Bootstrap CMS development team

We're happy to announce the release of e107 v2.1. There are too many bug fixes and enhancements to list them all, but here are some highlights.

Major enhancements

PHP 7 compatible
PDO support now fully functional
New AJAX API
Library Manager added

Advertisement

arvixe web hosting
99.9% Uptime Guarantee
Free Domain for Life
Advertise Here

Gold Supporters

- **Apps Free For PC**
  By: Apps free for PC
- **Cheap Web Hosting**
  By: MaiaHost
- **Magento Agentur**

Content Management Systems have to serve 4 different user groups

- Developers
- Designers
- Administrators
- Editors

Developers

Need a solid, agile, & well-documented application development platform

Technical users

Designers

Need easy theming & flexibility when it comes to information architecture

Technical users

Administrators

Need powerful & usable controls for managing users, rights, & assets

Technical users

Editors

Need usability that makes it easy to create, edit, & manage content

Can be technical or non-technical users

All of the following…

- use PHP & MySQL (other databases are often supported too)
- are free & open source
- can be used for multiple purposes & kinds of websites

Drupal

Powerful but very complex “content management framework” used on 2% of websites worldwide

www.drupal.org

$0 & open source

UNIX

Drupal™

Build something amazing.

With over 200 new features and improvements, now is the time to start building with **Drupal 8**.

Drupal 8 is available now! Learn More

See it in action. Try a demo

Drupal 8.1.0 is now available

April 20, 2016

Drupal 8.1.0, the first minor release of Drupal 8, is now available. Read more

State of Drupal 2016 survey

A new design system for Drupal.org

What's new on Drupal.org? - March 2016

Drupal 8.1.0 RC1 is available for testing

33,907 Modules
2,274 Themes
1,030 Distributions

Security Info
Developer Docs
API Docs

An easy way to contribute to the project and the community.

BECOME A MEMBER

Drupal core provides basic features & is extended via 31,800* modules & 2000 themes**

* As of September 2015 ** As of February 2015

Problems with Drupal

- Usability (although supposedly that's better)
- Difficult learning curve
- No backward compatibility across major versions
- Slower than single-task systems (e.g., blogging via WordPress)
- 30,000+ modules, but many are incomplete or abandoned, do not work, only work for outdated versions, or are a bug farm

Joomla!

2nd most widely used CMS

www.joomla.org

$0 & open source

UNIX

Joomla!

The Platform Millions of Websites Are Built On

- Over 50 million downloads and counting
- Thousands of extensions and designs
- User-friendly and mobile-ready

Download Demo Joomla! 3 Joomla.com

Happy 10th Birthday Joomla!

Joomla! Announcements

Joomla! 3.5.1 Released

Joomla! 3.5.1 is now available. This is a bug fix release for the 3.x series of Joomla. This

Modules are of widely varying quality

Many modules are commercial ($)

Many security issues

Seems pretty & usable at first glance, but complex & not as usable once you dig in

WordPress

25% of the Web runs on WordPress!

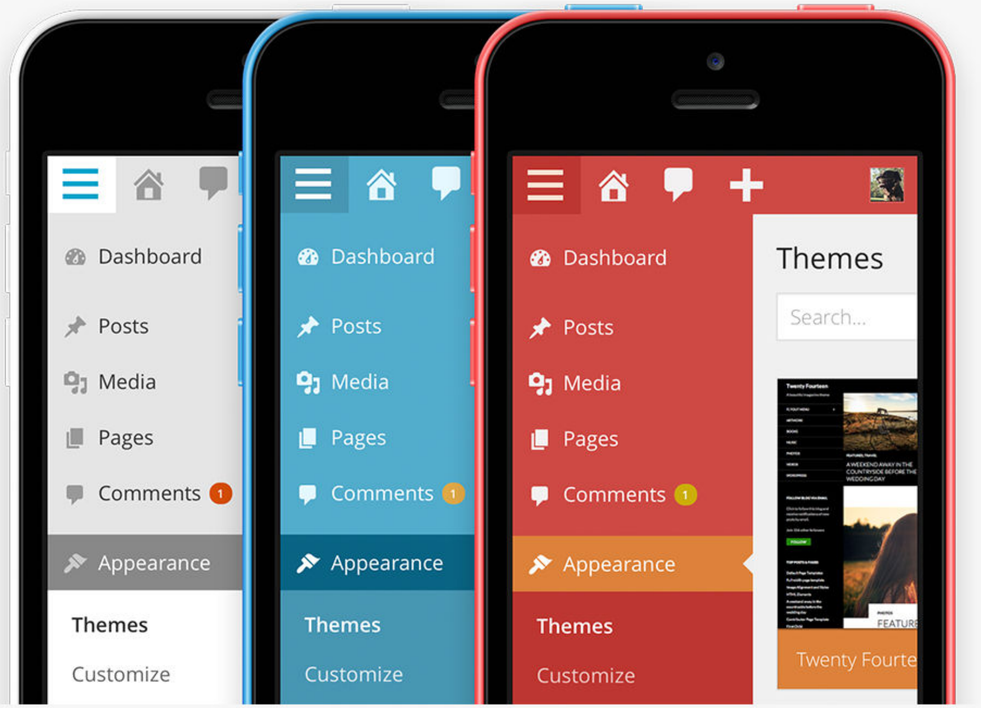
www.wordpress.org (& www.wordpress.com)

$0 & open source

UNIX

wordpress.org
Download WordPress to manually install on your server

wordpress.com
Set up a free WordPress website in 5 minutes



WordPress is web software you can use to create a beautiful website, blog, or app. We like to say that WordPress is both free and priceless at the same time.

The core software is built by hundreds of community volunteers, and when you're ready for more there are thousands of plugins and themes available to transform your site into almost anything you can imagine. Over 60 million people have chosen WordPress to power the place on the web they call "home" — we'd love you to join the family.

Ready to get started? Download WordPress 4.5

WordPress is also available in English (UK).

WordPress Swag

News From Our Blog

WordPress 4.5 "Coleman"

Version 4.5 of WordPress, named "Coleman" in

It's Easy As...

1. Find a Web Host and get great hosting while supporting WordPress at the

WordPress Users

MÖTLEY CRÜE

WordPress.com

Log In

Create your new website for free

WordPress.com is the best place
for your personal blog or business site.

Create Website

Create a Website

Promote your business or personal brand

Learn more

Start a Blog

Share your thoughts with friends and fans

Learn more

Discover

Find and discuss the best stories on the web

Learn more

Free

Free *for life*

- Unlimited pages and blog posts
- A custom WordPress.com address
- Hundreds of free themes
- 3GB of space for files and media
- Community support

Just start creating: get a free site and be on your way to publishing your content in less than five minutes.

Start for Free

Premium

$99/yr

$8.25 *per month, billed yearly*

- Unlimited pages and blog posts
- Your custom domain
- Hundreds of free themes
- Advanced design customization
- 13GB of space for files and media
- No ads
- Email and Live chat support

Go beyond basic with a supercharged WordPress.com website. The same easy-to-use platform, now with more features and more customization.

Start with Premium

Business

$299/yr

$24.92 *per month, billed yearly*

- Unlimited pages and blog posts
- Your custom domain
- 50+ premium themes included
- Advanced design customization
- Unlimited space for files and media
- No ads
- Google Analytics
- Email and Live chat support

Your online presence is more than a hobby. Create a high-impact website or blog by choosing the best of WordPress.com.

Start with Business

WordPress is an excellent, if a bit bloated, blogging tool

WordPress is often used for other purposes that are not always appropriate (e.g., CMS for 100s of pages or 10s of 1000s of files)

Managing a lot of pages is cumbersome

Lots of common features only come from 3rd party add-ons (e.g., permissions, modular editing)

Difficult to develop themes

Constantly updated & improved

Do *not* let your WordPress installs get out of date or they *will* be hacked!

Concrete5

Open source, user-friendly CMS that is growing in popularity

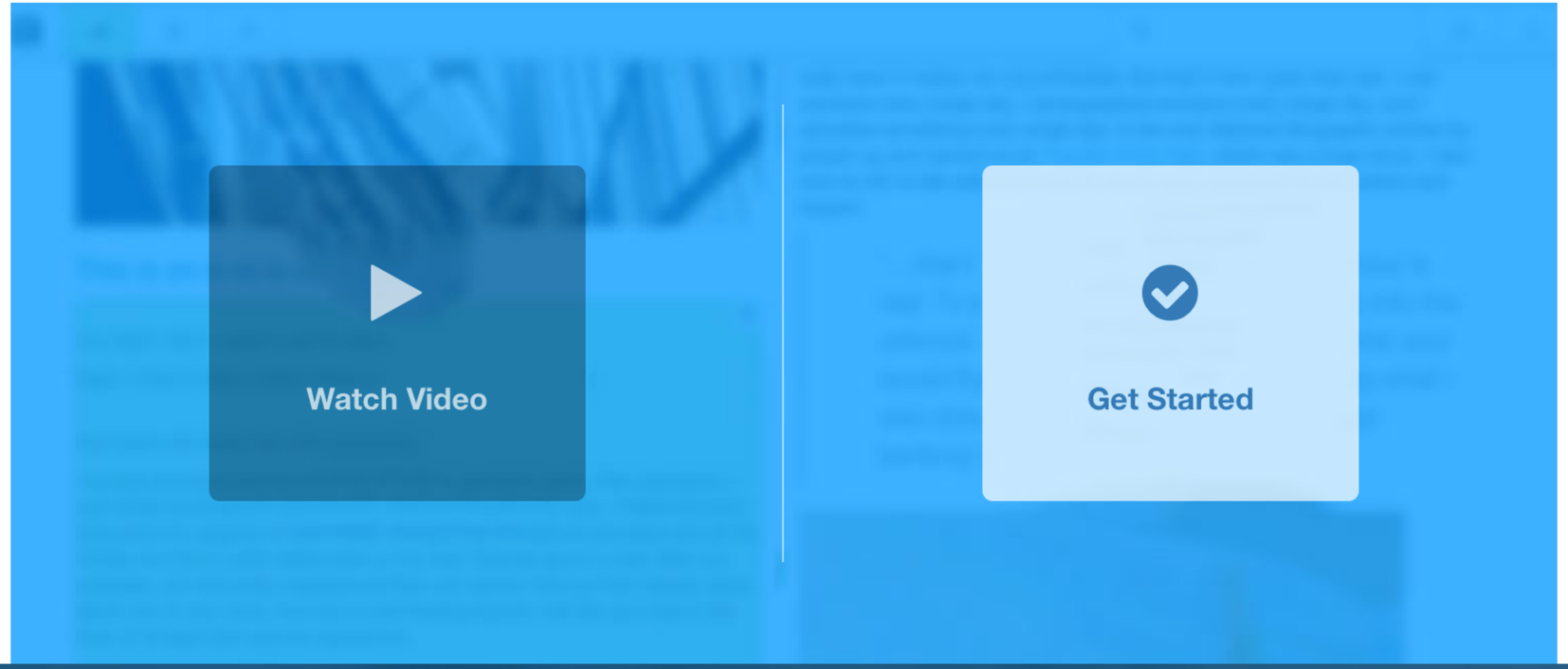
www.concrete5.org

$0 & open source

UNIX

concrete5 is an Open Source Content Management System

Empower your editors to create and share more content.



Join Now Sign In Cart Instant Setup Download

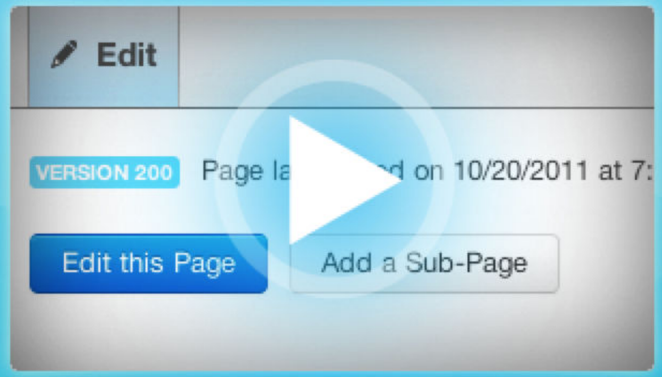
Search all of concrete5.org

concrete5

About Community Developers Marketplace Enterprise Documentation

A simple and powerful content management system.

Get Started



Site Editors

When your website is built with concrete5, you easily change content from anywhere in the world.

Learn More

Developers

concrete5 is a free open source content management system written in PHP.

Learn More

Designers

Templating concrete5 is a breeze. With a few lines of code your designs will be editable in minutes.

Learn More

Older but more communicative!

In-context editing makes it easy to add & edit content

Various blocks allows editors to add & edit different kinds of content (e.g., text, images, videos, maps)

Easy to change site structure, which automatically updates navigation

CMS	Developers	Designers	Admins	Editors
Drupal	A-	C+	A-	C
Joomla!	C	D	C	D
WordPress	A-	C	C	B
Concrete5	B	B+	B	B+

Static Site Generators

1st websites were *static* HTML & CSS & were delivered to users exactly as stored

» Quick to load
» Every user saw the same thing

Later, websites became *dynamic* & were generated by a web application

» Slower to load
» Every user sees something different

A *static site generator* gives the best of both worlds: templates & content are run through an application on your computer to generate static webpages, which are then uploaded to a web server

166 results (as of January 2017)

Fork me on GitHub

StaticGen

Top Open-Source Static Site Generators

SHARE

All languages | Sorted by stars | About StaticGen | The Rules

Jekyll	Hugo	GitBook
jekyllrb.com	gohugo.io/	www.gitbook.com/
28200	14244	13977
84 ▲	129 ▲	51 ▲
6249	2139	1722
26 ▲	10 ▲	10 ▲
153	381	632
10 ▲	5 ▲	5 ▲

Get started with 1 click

Introducing the "Deploy to Netlify" button on select generators to help you deploy new sites from generator-specific templates with a single click. Get a site up in minutes, with custom

Jekyll

Ruby-based static site generator created & maintained by GitHub that produces blindingly fast websites

jekyllrb.com

$0 & open source

UNIX

Transform your plain text into static websites and blogs.

Simple

No more databases, comment moderation, or pesky updates to install—just *your content*.

How Jekyll works →

Static

Markdown (or Textile), Liquid, HTML & CSS go in. Static sites come out ready for deployment.

Jekyll template guide →

Blog-aware

Permalinks, categories, pages, posts, and custom layouts are all first-class citizens here.

Migrate your blog →

Quick-start Instructions

```
~ $ gem install jekyll
```

csoats

Search

- archive-tweets
- bash-it
- BBEdit-C...emes-Pack
- BetterTongs
- bigfoot
- blackbirdpy
- Boneless
- btc
- Chainsaw
- coursera-dl
- csoats
- css-crush
- diveintohtml5
- dotfiles
- DZSlides
- firesheep
- fonts
- fountain-clm
- get-location
- granne-bin
- granne-syno-dotfiles
- highlight.js
- html-css-course
- ImageOptim-CLI
- javascript-labs
- Jekyll-Plugins
- Kirby
- km-markdown-library
- km-pf-label-color

- _config.yml
- _includes
- _layouts
- _plugins
- _posts
- _rsync-exclude.txt
- _sass
- _site
- apple-tou...posed.png
- apple-touch-icon.png
- colophon
- config.codekit
- css
- favicon.ico
- favicon.png
- feed.xml
- images
- index.html
- js
- RAKEFILE
- robots.txt
- search
- subscribe

Macintosh HD › Applications › Git › csoats

23 items, 168.91 GB available

_layouts

Search

- archive-tweets
- bash-it
- BBEdit-C...emes-Pack
- BetterTongs
- bigfoot
- blackbirdpy
- Boneless
- btc
- Chainsaw
- coursera-dl
- csoats
- css-crush
- diveintohtml5
- dotfiles
- DZSlides
- firesheep
- fonts
- fountain-clm
- get-location
- granne-bin
- granne-syno-dotfiles
- highlight.js
- html-css-course
- ImageOptim-CLI
- javascript-labs
- Jekyll-Plugins
- Kirby
- km-markdown-library
- km-pf-label-color

- _config.yml
- _includes
- _layouts
- _plugins
- _posts
- _rsync-exclude.txt
- _sass
- _site
- apple-tou...posed.png
- apple-touch-icon.png
- colophon
- config.codekit
- css
- favicon.ico
- favicon.png
- feed.xml
- images
- index.html
- js
- RAKEFILE
- robots.txt
- search
- subscribe

- default.html
- page.html
- post.html

Macintosh HD › Applications › Git › csoats › _layouts

3 items, 168.9 GB available

_includes

Search

- archive-tweets
- bash-it
- BBEdit-C...emes-Pack
- BetterTongs
- bigfoot
- blackbirdpy
- Boneless
- btc
- Chainsaw
- coursera-dl
- csoats
- css-crush
- diveintohtml5
- dotfiles
- DZSlides
- firesheep
- fonts
- fountain-clm
- get-location
- granne-bin
- granne-syno-dotfiles
- highlight.js
- html-css-course
- ImageOptim-CLI
- javascript-labs
- Jekyll-Plugins
- Kirby
- km-markdown-library
- km-pf-label-color

- _config.yml
- _includes
- _layouts
- _plugins
- _posts
- _rsync-exclude.txt
- _sass
- _site
- apple-tou...posed.png
- apple-touch-icon.png
- colophon
- config.codekit
- css
- favicon.ico
- favicon.png
- feed.xml
- images
- index.html
- js
- RAKEFILE
- robots.txt
- search
- subscribe

- footer-orginal.html
- footer.html
- head.html
- header.html

Macintosh HD › Applications › Git › csoats › _includes

4 items, 168.9 GB available

_posts

Search

- archive-tweets
- bash-it
- BBEdit-C...emes-Pack
- BetterTongs
- bigfoot
- blackbirdpy
- Boneless
- btc
- Chainsaw
- coursera-dl
- csoats
- css-crush
- diveintohtml5
- dotfiles
- DZSlides
- firesheep
- fonts
- fountain-clm
- get-location
- granne-bin
- granne-syno-dotfiles
- highlight.js
- html-css-course
- ImageOptim-CLI
- javascript-labs
- Jekyll-Plugins
- Kirby
- km-markdown-library
- km-pf-label-color

- _config.yml
- _includes
- _layouts
- _plugins
- _posts
- _rsync-exclude.txt
- _sass
- _site
- apple-tou...posed.png
- apple-touch-icon.png
- colophon
- config.codekit
- css
- favicon.ico
- favicon.png
- feed.xml
- images
- index.html
- js
- RAKEFILE
- robots.txt
- search
- subscribe

- 2011-12-20-a-fix-for-a-re...g-bug-in-forklift.markdown
- 2011-12-20-urtak-the-sli...rt-e-howard-hero.markdown
- 2011-12-22-the-web-bro...-i-always-install.markdown
- 2011-12-23-godaddy-sup...ot-use-godaddy.markdown
- 2011-12-25-godaddy-suf...supporting-sopa.markdown
- 2011-12-26-railing-again...-a-waste-of-time.markdown
- 2011-12-27-boxee-on-th...-but-i-dont-care.markdown
- 2011-12-27-dropbox-history-in-depth.markdown
- 2011-12-27-the-cosmona...lus-for-the-ipad.markdown
- 2011-12-28-engadget-wri...wayne-seriously.markdown
- 2011-12-28-even-college...ntation-problem.markdown
- 2011-12-28-tweet-of-the-month-re-sopa.markdown
- 2011-12-29-a-non-apple-...or-the-first-time.markdown
- 2011-12-29-best-videoga...ar-2011-edition.markdown
- 2011-12-30-how-to-remo...e-for-wordpress.markdown
- 2011-12-31-googles-desi...html-sloppiness.markdown
- 2011-12-31-hdtv-antenn...g-the-cable-cord.markdown
- 2012-01-02-my-favorite-t...chased-in-2011.markdown
- 2012-01-03-finally-ordere...ogy-ds411j-nas.markdown
- 2012-01-03-stupid-desig...ion-of-the-day-1.markdown
- 2012-01-04-chipotle-love...sum-who-knew.markdown
- 2012-01-04-stupid-desig...ion-of-the-day-2.markdown
- 2012-01-06-logging-in-to...kstation-as-root.markdown
- 2012-01-06-need-a-3-tb...res-one-solution.markdown
- 2012-01-07-find-out-whi...diskstation-uses.markdown
- 2012-01-08-set-up-the-s...to-support-utf-8.markdown
- 2012-01-09-installing-3rd...kstation-ds411j.markdown
- 2012-01-10-instead-of-th...and-substitution.markdown
- 2012-01-11-pinterest-a-s...work-for-women.markdown

Macintosh HD › Applications › Git › csoats › _posts

209 items, 168.91 GB available

_site

Search

- archive-tweets
- bash-it
- BBEdit-C...emes-Pack
- BetterTongs
- bigfoot
- blackbirdpy
- Boneless
- btc
- Chainsaw
- coursera-dl
- csoats
- css-crush
- diveintohtml5
- dotfiles
- DZSlides
- firesheep
- fonts
- fountain-clm
- get-location
- granne-bin
- granne-syno-dotfiles
- highlight.js
- html-css-course
- ImageOptim-CLI
- javascript-labs
- Jekyll-Plugins
- Kirby
- km-markdown-library
- km-pf-label-color

- _config.yml
- _includes
- _layouts
- _plugins
- _posts
- _rsync-exclude.txt
- _sass
- _site
- apple-tou...posed.png
- apple-touch-icon.png
- colophon
- config.codekit
- css
- favicon.ico
- favicon.png
- feed.xml
- images
- index.html
- js
- RAKEFILE
- robots.txt
- search
- subscribe

- 2011
- 2012
- 2013
- 2014
- 2015
- apple-tou...posed.png
- apple-touch-icon.png
- colophon
- config.codekit
- css
- favicon.ico
- favicon.png
- feed.xml
- images
- index.html
- js
- page
- RAKEFILE
- robots.txt
- search
- subscribe

Macintosh HD › Applications › Git › csoats › _site

21 items, 168.9 GB available

_posts

Search

- _config.yml
- _includes
- _layouts
- _plugins
- _posts
- _rsync-exclude.txt
- _sass
- _site
- apple-tou...posed.png
- apple-touch-icon.png
- colophon
- config.codekit
- css
- favicon.ico
- favicon.png
- feed.xml
- images
- index.html
- js
- RAKEFILE
- robots.txt
- search
- subscribe

- 2013-04-25-th...nard.markdown
- 2013-04-26-s...apple.markdown
- 2013-04-29-h...red-2.markdown
- 2013-05-08-d...chine.markdown
- 2013-05-24-ss...sers.markdown
- 2013-05-25-th...mats.markdown
- 2013-05-28-h...andoc.markdown
- 2013-06-02-t...-i-use.markdown
- 2013-06-14-y...ferent.markdown
- 2013-09-09-y...er-11.markdown
- 2013-09-23-n...vaults.markdown
- 2013-10-01-w...acare.markdown
- 2013-10-04-a...-apps.markdown
- 2013-11-17-h...nthink.markdown
- 2013-11-19-pr...esign.markdown
- 2013-11-21-e...pages.markdown
- 2013-11-29-a...pages.markdown
- 2013-12-30-m...2013.markdown
- 2014-01-16-c...aestro.markdown
- 2014-02-11-y...esday.markdown
- 2015-03-08-h...ideos.markdown
- 2015-03-25-g...polies.markdown
- 2015-03-29-n...dvice.markdown
- 2015-04-08-th...ustry.markdown
- 2015-04-29-a...worth.markdown
- 2015-05-03-a-...links.markdown
- 2015-05-22-s...menu.markdown
- 2015-07-04-tit...anica.markdown

2015-07-04-title-page-of-3rd-edition-of-encyclopedia-brittanica.markdown

Markdown - 2 KB

Created	Saturday, July 4, 2015 at 12:24 PM
Modified	Saturday, July 4, 2015 at 12:24 PM
Last opened	Saturday, July 4, 2015 at 12:24 PM

Add Tags...

Macintosh HD › Applications › Git › csoats › _posts › 2015-07-04-title-page-of-3rd-edition-of-encyclopedia-brittanica.markdown

1 of 209 selected, 166.76 GB available

2015-07-04-title-page-of-3rd-edition-of-encyclopedia-brittanica.markdown

```
---
author: Scott Granneman
layout: post
title: "The title page of the 3rd edition of the Encyclopedia Brittanica"
categories:
- Language
---

I love things like this. The full title of the 3rd edition of the *Encyclopedia Brittanica* (1797):

> Encyclopædia Britannica; or, A dictionary of arts, sciences, and miscellaneous literature; Constructed on a Plan, by which the different sciences and arts Are digested into the Form of Distinct treatises or systems, comprehending The History, Theory, and Practice, of each, according to the Latest Discoveries and Improvements; and full Explanations given of the various detached parts of knowledge, whether relating to Natural and Artificial Objects, or to Matters Ecclesiastical, Civil, Military, Commercial, &c., Including Elucidations of the most important Topics relative to Religion, Morals, Manners, and the Oeconomy of Life; together with A Description of all the Countries, Cities, principal Mountains, Seas, Rivers, &c. throughout the World; A General History, Ancient and Modern, of the different Empires, Kingdoms, and States; and An Account of the Lives of the most Eminent Persons in every Nation, from the earliest ages down to the present times. Compiled from the writings of the best Authors, in several languages; the most approved Dictionaries, as well of general Science as of its particular branches; the
```

243 Words, 1448 Chars, 14 Lines, ~1m 12s reading time, Line 14, Column 1 UTF-8 Unix Spaces: 4 Markdown Extended

title-page-of-3rd-edition-of-encyclopedia-brittanica

Search

- _config.yml
- _includes
- _layouts
- _plugins
- _posts
- _rsync-exclude.txt
- _sass
- _site
- apple-tou...posed.png
- apple-touch-icon.png
- colophon
- config.codekit
- css
- favicon.ico
- favicon.png
- feed.xml
- images
- index.html
- js
- RAKEFILE
- robots.txt
- search
- subscribe

- 2011
- 2012
- 2013
- 2014
- 2015
- apple-tou...posed.png
- apple-touch-icon.png
- colophon
- config.codekit
- css
- favicon.ico
- favicon.png
- feed.xml
- images
- index.html
- js
- page
- RAKEFILE
- robots.txt
- search
- subscribe

- 03
- 04
- 05
- 07

- 04

- title-page...-brittanica

- index.html

Macintosh HD › Applications › Git › csoats › _site › 2015 › 07 › 04 › title-page-of-3rd-edition-of-encyclopedia-brittanica

1 item, 168.9 GB available

The title page of the 3rd edition of the Encyclopedia Brittanica

Jul 4, 2015 • Scott Granneman

I love things like this. The full title of the 3rd edition of the *Encyclopedia Brittanica* (1797):

> Encyclopædia Britannica; or, A dictionary of arts, sciences, and miscellaneous literature; Constructed on a Plan, by which the different sciences and arts Are digested into the Form of Distinct treatises or systems, comprehending The History, Theory, and Practice, of each, according to the Latest Discoveries and Improvements; and full Explanations given of the various detached parts of knowledge, whether relating to Natural and Artificial Objects, or to Matters Ecclesiastical, Civil, Military, Commercial, &c., Including Elucidations of the most important Topics relative to Religion, Morals, Manners, and the Oeconomy of Life; together with A Description of all the Countries, Cities, principal Mountains, Seas, Rivers, &c. throughout the World; A General History, Ancient and Modern, of the different Empires, Kingdoms, and States; and An Account of the Lives of the most Eminent Persons in every Nation, from the earliest ages down to the present times. Compiled from the writings of the best Authors, in several languages; the most approved Dictionaries, as well of general Science as of its particular branches; the Translations, Journals, and Memoirs of learned Societies, both at home and abroad; the MS Leaflets of Eminent Professors on different Sciences; and a variety of Original Materials, furnished by an Extensive Correspondence.

You can see for yourself at http://babel.hathitrust.org/cgi/pt?

« Some interesting notes on the near-ubiquitous hamburger menu

0 Comments Chainsaw on a Tire Swing 1 Login

Recommend Share Sort by Best

Start the discussion…

Be the first to comment.

Subscribe Add Disqus to your site Privacy DISQUS

Contact

@ scott@chainsawonatireswing.com
@ scott@granneman.com
scottgranneman
rsgranne
1-314-780-0489 (mobile)

Chainsaw on a Tire Swing is a blog about technology & other matters of interest, written by Scott Granneman.

Posts have URLs like `https://www.chainsawonatireswing.com/2015/07/04/title-page-of-3rd-edition-of-encyclopedia-brittanica/`

You can also create pages as well, with URLs like `https://www.chainsawonatireswing.com/subscribe/`

Pages are created in folders for that page/section of the website

subscribe

Search

- archive-tweets
- bash-it
- BBEdit-C...emes-Pack
- BetterTongs
- bigfoot
- blackbirdpy
- Boneless
- btc
- Chainsaw
- coursera-dl
- csoats
- css-crush
- diveintohtml5
- dotfiles
- DZSlides
- firesheep
- fonts
- fountain-clm
- get-location
- granne-bin
- granne-syno-dotfiles
- highlight.js
- html-css-course
- ImageOptim-CLI
- javascript-labs
- Jekyll-Plugins
- Kirby
- km-markdown-library
- km-pf-label-color

- _config.yml
- _includes
- _layouts
- _plugins
- _posts
- _rsync-exclude.txt
- _sass
- _site
- apple-tou...posed.png
- apple-touch-icon.png
- colophon
- config.codekit
- css
- favicon.ico
- favicon.png
- feed.xml
- images
- index.html
- js
- RAKEFILE
- robots.txt
- search
- subscribe

- index.markdown

Macintosh HD › Applications › Git › csoats › subscribe

1 item, 168.9 GB available

Posts

The title page of the 3rd edition of the Encyclopedia Brittanica

04 Jul 2015

I love things like this. The full title of the 3rd edition of the Encyclopedia Brittanica (1797): ... (Read More)

Some interesting notes on the near-ubiquitous hamburger menu

22 May 2015

The BBC News has an interesting article on its website—“Hamburger icon: How these three lines mystify most people”—that has some really good info in it. In particular, this struck my eye: ... (Read More)

Guide to getting webmail services to

Subscribe

You can view what I write on Chainsaw on a Tire Swing in a variety of ways:

- Visit the site. I always appreciate it.
- Subscribe to the site's RSS feed (I like Feedbin for reading RSS).

Contact

@ scott@chainsawonatireswing.com
@ scott@granneman.com
scottgranneman
rsgranne
1-314-780-0489 (mobile)

Chainsaw on a Tire Swing is a blog about technology & other matters of interest, written by Scott Granneman.

Powerful & flexible, but you need to understand how to use the command line

Read the documentation carefully & look for articles online with tips

How to install Jekyll

```
$ gem install jekyll
$ jekyll new my-awesome-site
$ cd my-awesome-site
$ jekyll serve
# => Now browse to http://localhost:4000
```

```
        @virgil:/Applications/Git/csoats
$ ls
RAKEFILE                          config.codekit
_config.yml                       css/
_includes/                        favicon.ico
_layouts/                         favicon.png
_plugins/                         feed.xml
_posts/                           images/
_rsync-exclude.txt                index.html
_sass/                            js/
_site/                            robots.txt
apple-touch-icon-precomposed.png  search/
apple-touch-icon.png              subscribe/
colophon/

        @virgil:/Applications/Git/csoats
$ jekyll serve
Configuration file: /Applications/Git/csoats/_config.yml
            Source: /Applications/Git/csoats
       Destination: /Applications/Git/csoats/_site
 Incremental build: disabled. Enable with --incremental
      Generating...
                    done in 4.782 seconds.
 Auto-regeneration: enabled for '/Applications/Git/csoats'
Configuration file: /Applications/Git/csoats/_config.yml
    Server address: http://127.0.0.1:4000/
  Server running... press ctrl-c to stop.
```

Kirby

A file-based static site generator that lets you organize content in folders & write in text files in Markdown

getkirby.com

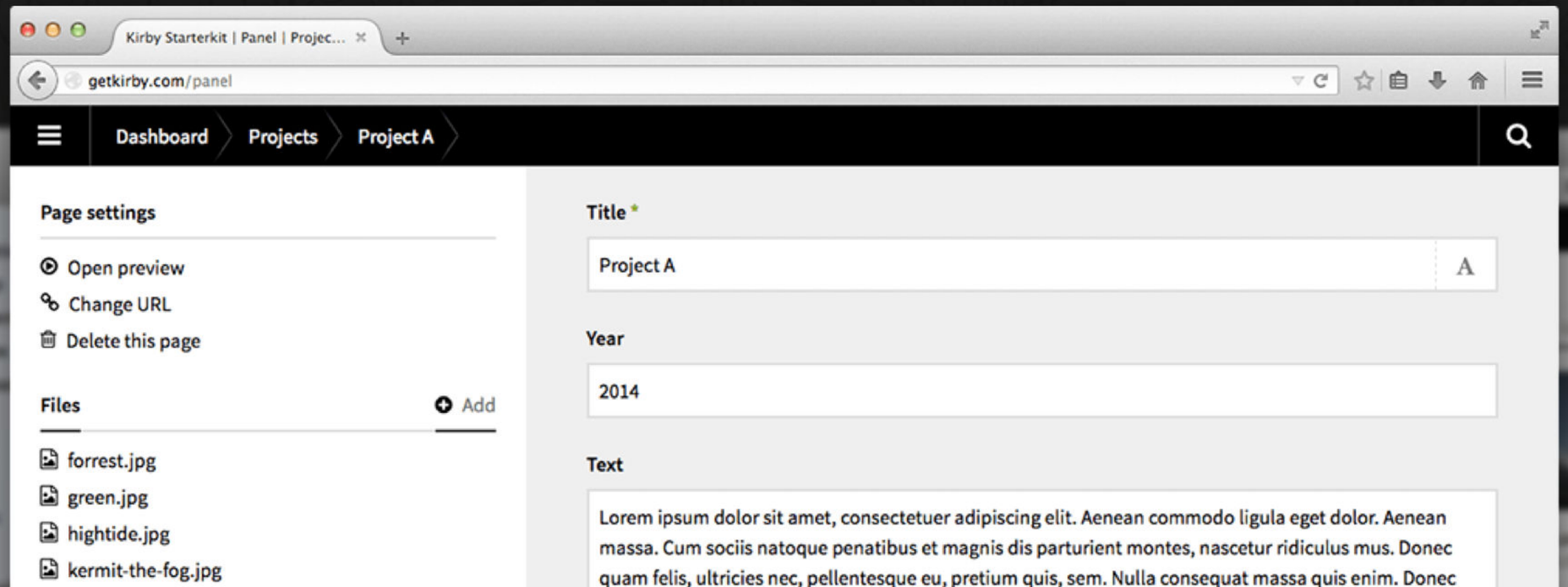
$17 / $89

UNIX

kirby

Docs Downloads Showcase Blog Support

Try › ♥ › Buy



content

FAVORITES

- Applications
- Desktop
- Documents
- Dropbox
- Downloads
- Sites
- Movies
- Music
- Pictures

DEVICES

- Macintosh HD

Name

- 1-about
  - about.jpg
  - about.txt
- 2-projects
  - 1-project-a
  - 2-project-b
    - mountains.jpg
    - project.txt
    - road.jpg
  - 3-project-c
    - hightide.jpg
    - kermit-the-fog.jpg
    - project.txt
  - projects.txt
- 3-contact
  - contact.txt
- error
- home
  - home.txt
- site.txt

Kirby Starterkit | Panel | Projec...

getkirby.com/panel

Dashboard > Projects > Project A

Page settings

- Open preview
- Change URL
- Delete this page

Files Add

- forrest.jpg
- green.jpg
- hightide.jpg
- kermit-the-fog.jpg
- mountains.jpg
- road.jpg
- the-sea.jpg

Title *

Project A

Year

2014

Text

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Donec quam felis, ultricies nec, pellentesque eu, pretium quis, sem. Nulla consequat massa quis enim. Donec pede justo, fringilla vel, aliquet nec, vulputate eget, arcu. In enim justo, rhoncus ut, imperdiet a, venenatis vitae, justo.

Tags

outdoor ×

Save

Coding

Editors

BBEdit

Excellent, powerful text editor dating back to 1992!

www.barebones.com/products/bbedit/

$50

header.php

Currently Open Documents

- Bootstrap 102.markdown
- header.php
- Secure Communications.txt
- untitled text
- untitled text 50
- untitled text 45
- untitled text 15
- untitled text 8
- untitled text 5
- untitled text 28
- untitled text 42

Recent Documents

- header.php
- Bootstrap 102.markdown
- Course Outline.txt
- Secure Communications.txt

File Path : sftp:/gilgamesh.websanity.com:22/var/shared_assets/multiblog/wp-content/themes/wu.granneman.com/header.php

header.php (no symbol selected)

```php
<?php
/**
 * The Header for our theme.
 *
 * Displays all of the <head> section and everything up till <div id="main">
 *
 * @package WordPress
 * @subpackage Twenty_Ten
 * @since Twenty Ten 1.0
 */
?><!DOCTYPE html>
<html <?php language_attributes(); ?>>
<head>
<meta charset="<?php bloginfo( 'charset' ); ?>" />
<title><?php
  /*
   * Print the <title> tag based on what is being viewed.
   */
  global $page, $paged;

  wp_title( '|', true, 'right' );

  // Add the blog name.
  bloginfo( 'name' );

  // Add the blog description for the home/front page.
```

Line 76 Col 47 | HTML | Unicode (UTF-8) | Unix (LF) | Last saved: 2014-05-16, 9:44:58 PM | 3706 / 441 / 101

Sublime Text

A powerful modern text editor with advanced features

www.sublimetext.com

$70

header.php

OPEN FILES

- OmniOutliner documents are store
- # Bootstrap 101: portfolio-bootstra
- explain local computer vs web serv
- Add slides on:
- header.php

OmniOutliner documents are stored in a type o | # Bootstrap 101: portfolio-bootstrap | explain local computer vs web server & how bracket | Add slides on:

```php
<?php
/**
 * The Header for our theme.
 *
 * Displays all of the <head> section and everything up till <div id="main">
 *
 * @package WordPress
 * @subpackage Twenty_Ten
 * @since Twenty Ten 1.0
 */
?><!DOCTYPE html>
<html <?php language_attributes(); ?>>
<head>
<meta charset="<?php bloginfo( 'charset' ); ?>" />
<title><?php
    /*
     * Print the <title> tag based on what is being viewed.
     */
    global $page, $paged;

    wp_title( '|', true, 'right' );

    // Add the blog name.
    bloginfo( 'name' );

    // Add the blog description for the home/front page.
```

Line 51, Column 15 | UTF-8 | Unix | Spaces: 4 | HTML

Atom

Text & code editor, developed by GitHub, with support for plug-ins written in Node.js & embedded Git control

atom.io

$0 & open source

5-index-nav-hover.htm — /Users/rsgranne/Dropbox/Documents/Web Dev Projects/bootstrap-examples

FOLDERS

- bootstrap-examples
  - css
    - bootstrap.css
    - me.css
  - fonts
  - js
  - .DS_Store
  - 1-index.htm
  - 2-index-jumbotron.htm
  - 3-index-breadcrumb.htm
  - 4-index-nav-click.htm
  - 5-index-nav-hover.htm
  - Bootstrap examples for clas
  - config.codekit

me.css | 5-index-nav-hover.htm

```html
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <!-- Turns off zooming so my responsive design works -->
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title>Bootstrap 101 Template</title>

    <link href="css/bootstrap.css" rel="stylesheet">
    <link href="css/me.css" rel="stylesheet">

    <script
    src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.3/jquery.min.js"></sc
    ript>
    <script src="js/bootstrap.js"></script>
    <!-- NEW: Add link to Modernizr -->
    <!-- Link to CDN link for Modernizr: http://chnsa.ws/up -->
    <script
    src="https://cdnjs.cloudflare.com/ajax/libs/modernizr/2.8.3/modernizr.js"></
    script>
  </head>
  <!-- class=hover-nav needed to differentiate this page from index-nav-click
  -->
```

5-index-nav-hover.htm 1:1 LF UTF-8 HTML

IDEs

“An integrated development environment (IDE) is a software application that provides comprehensive facilities to computer programmers for software development. An IDE normally consists of a source code editor, build automation tools and a debugger. Most modern IDEs have intelligent code completion.”

Brackets

Flexible open source editor for HTML, CSS, & JavaScript with advanced features

brackets.io

$0

index.html (Getting Started) — Brackets

Getting Started

- index.html
- main.css
- screenshots
  - quick-edit.png

```html
<!DOCTYPE html>
<html>

    <head>
        <meta charset="utf-8">
        <meta http-equiv="X-UA-Compatible" content="IE=edge">
        <title>GETTING STARTED WITH BRACKETS</title>
        <meta name="description" content="An interactive getting started guide for Brackets.">
        <link rel="stylesheet" href="main.css">
    </head>
    <body>

        <h1>GETTING STARTED WITH BRACKETS</h1>
        <h2>This is your guide!</h2>

        <!--
            MADE WITH <3 AND JAVASCRIPT
```

Line 10, Column 12 — 208 Lines | INS | HTML | Spaces: 2

index.html — Brackets

Working Files

index.html
main.css

Getting Started

index.html
main.css
screenshots
quick-edit.png

```
1  <!DOCTYPE html>
2  <html>
3
```

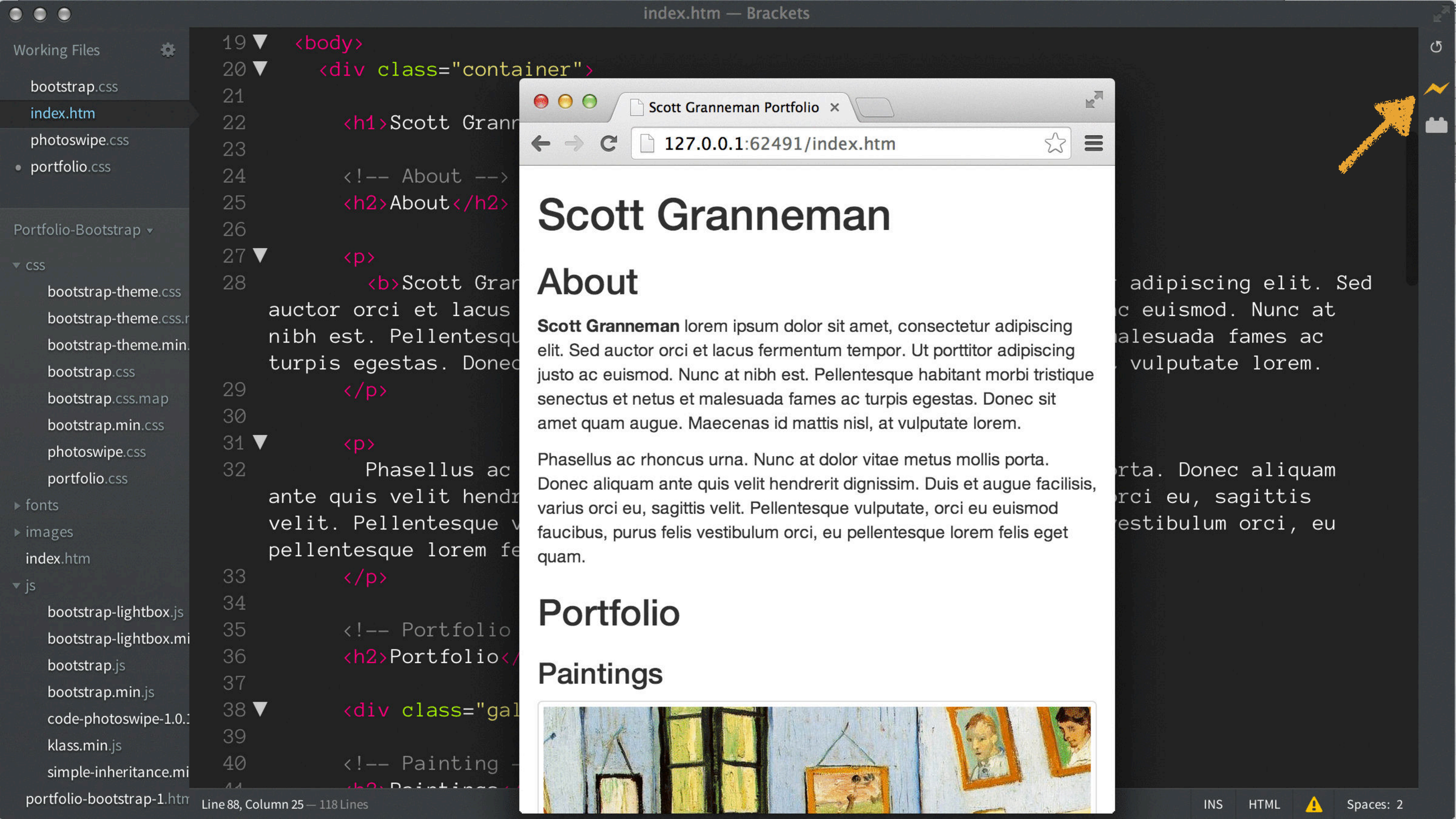
Available | Installed

Autoprefixer Mikael Jorhult <mikael@jorhult.se> (http://jorhult.se) 0.4.3	Parse CSS and add vendor prefixes automatically. More info...	Remove
Brackets Auto Pairs Julian Popescu <me@julianpopescu.com> (http://julianpopescu.com) 1.0.0	Automatically pairs quotations and parenthetical characters, or wraps selected text More info...	Remove
Brackets CSS Class Code hint growlscript 0.2.0	Simple CSS Class & ID code hint	Remove
Brackets Key Remapper Gavin Kalms <sacah@sacah.net> 0.1.5	Allow users to change keyboard shortcuts, and save the changes persistently. More info...	Remove
Brackets TypeScript Code Intel Thomas Laurent 0.1.1	Extension for Brackets that adds TypeScript support (Auto-completion, Quick Edit and more soon). More info...	Remove

Install from URL... | Close

```
24          </p>
25
```

Line 17, Column 40 — 189 Lines | INS | HTML | Spaces: 4


index.htm — Brackets
Working Files
bootstrap.css
index.htm
photoswipe.css
portfolio.css
Portfolio-Bootstrap
css
bootstrap-theme.css
bootstrap-theme.css.m
bootstrap-theme.min.
bootstrap.css
bootstrap.css.map
bootstrap.min.css
photoswipe.css
portfolio.css
fonts
images
index.htm
js
bootstrap-lightbox.js
bootstrap-lightbox.mi
bootstrap.js
bootstrap.min.js
code-photoswipe-1.0.
klass.min.js
simple-inheritance.mi
portfolio-bootstrap-1.htm
<body>
<div class="container">
<h1>Scott Granr
<!-- About -->
<h2>About</h2>
<p>
<b>Scott Gran
auctor orci et lacus
nibh est. Pellentesqu
turpis egestas. Donec
</p>
<p>
Phasellus ac
ante quis velit hendr
velit. Pellentesque v
pellentesque lorem fe
</p>
<!-- Portfolio
<h2>Portfolio</
<div class="gal
<!-- Painting
adipiscing elit. Sed
c euismod. Nunc at
alesuada fames ac
vulputate lorem.
rta. Donec aliquam
rci eu, sagittis
estibulum orci, eu
Scott Granneman Portfolio
127.0.0.1:62491/index.htm
Scott Granneman
About
Scott Granneman lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed auctor orci et lacus fermentum tempor. Ut porttitor adipiscing justo ac euismod. Nunc at nibh est. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Donec sit amet quam augue. Maecenas id mattis nisl, at vulputate lorem.
Phasellus ac rhoncus urna. Nunc at dolor vitae metus mollis porta. Donec aliquam ante quis velit hendrerit dignissim. Duis et augue facilisis, varius orci eu, sagittis velit. Pellentesque vulputate, orci eu euismod faucibus, purus felis vestibulum orci, eu pellentesque lorem felis eget quam.
Portfolio
Paintings
Line 88, Column 25 — 118 Lines
INS
HTML
Spaces: 2

index.html (Getting Started) — Brackets

Getting Started

- index.html
- main.css
- screenshots
  - quick-edit.png
- test.html

```
1  <!DOCTYPE html>
2  <html>
```

Available | Themes | Installed

Rods & Cones Sean Peterkin 1.0.4 — 10/26/2016	Color blind friendly theme for anyone with Deuteranomaly and Deuteranopia: the most common forms of color blindness. It will make your rods and cones very happy! :) More info…	Install
Traffic Lights Theme Chris Tennant 1.1.2 — 10/26/2016	Traffic Lights Dark Theme More info…	Install
Material Color (light) Fred Pizarro 1.0.7 — 10/25/2016	Inspirate in Material Color and coffee color More info…	Install
Coder theme Ivan Grimaldo 1.0.0 — 10/25/2016	Dark theme based in Aotm One Dark More info…	Install
Coffee Color Fred Pizarro 1.0.3 — 10/18/2016	Inspirate in the product coffee !!.. More info…	Install
Magnie	This theme is based on the colors of magnies	

Drag .zip here or Install from URL…

Close

```
17  MADE WITH <3 AND JAVASCRIPT
```

Line 1, Column 1 — 208 Lines | INS | HTML | Spaces: 2

• index.htm — Brackets

Working Files

- bootstrap.css
- index.htm
- portfolio.css

Portfolio-Bootstrap

- css
  - bootstrap-theme.css
  - bootstrap-theme.css.map
  - bootstrap-theme.min.css
  - bootstrap.css
  - bootstrap.css.map
  - bootstrap.min.css
  - portfolio.css
- fonts
- index.htm
- js
  - bootstrap.js
  - bootstrap.min.js

```html
15        <script src="https://oss.maxcdn.com/libs/html5shiv/3.7.0/html5shiv.js"></script>
16        <script src="https://oss.maxcdn.com/libs/respond.js/1.4.2/respond.min.js"></script>
17      <![endif]-->
18      <link rel="stylesheet" href="css/portfolio.css">
19    </head>
20    <body>
21      <h1>Scott Granneman</h1>
22
23      <h2>About</h2>
24
25      <p>
26        <b class="author">Scott Granneman</b> lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.
```

portfolio.css : 2 New Rule

```css
2  .author {
3    text-transform: uppercase;
4  }
```

```html
27      </p>
28
29      <p>
30        Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum
```

Line 3, Column 29 — 5 Lines | INS | CSS | Spaces: 2

/Users/rsgranne/Library/Application Support/Brackets/brackets.json (colors-mon) — Brackets

Left

- defaultPreferences.json
- pre-chartreuse-01.html

Right

- brackets.json

colors-mon

- chartreuse-01.html
- fonts
- images
  - the-magnificent-seven.j
- pre-chartreuse-01.html
- pre-chartreuse-02.html
- videos

defaultPreferences.json

```
1  /*
2   * This is a read-only file with the preferences supported
3   * by Brackets.
4   * Use this file as a reference to modify your preferences
5   * file "brackets.json" opened in the other pane.
6   * For more information on how to use preferences inside
7   * Brackets, refer to the web page at https://github.com/adobe/brackets/wiki/How-to-Use-Brackets#preferences
```

brackets.json

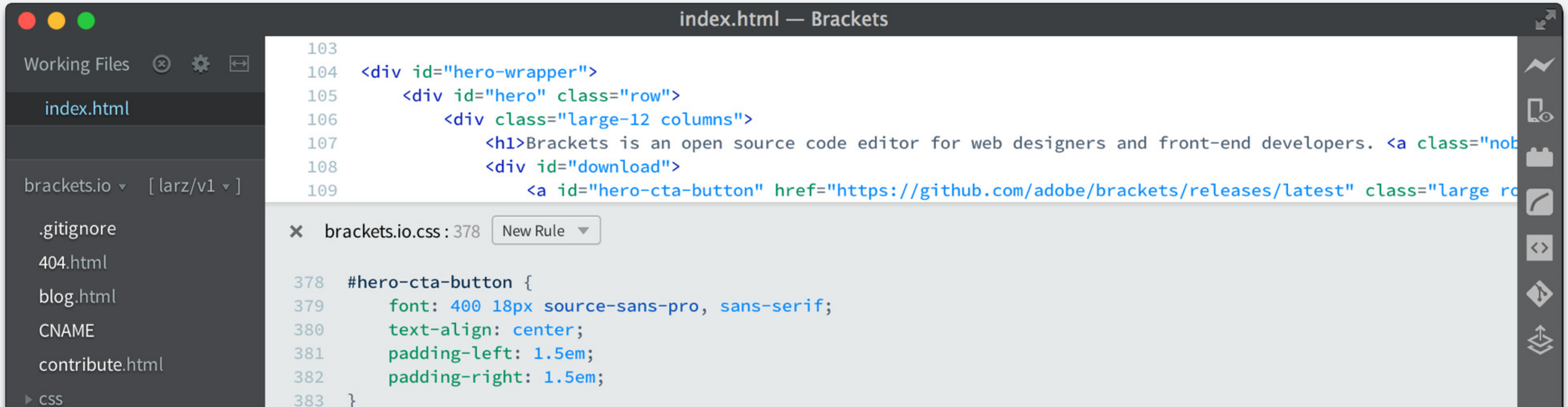
```
1  {
2      "useTabChar": false,
3      "tabSize": 4,
4      "spaceUnits": 2,
5      "closeBrackets": true,
6      "showLineNumbers": true,
7      "styleActiveLine": false,
8      "wordWrap": true,
9      "linting.enabled": true,
10     "linting.collapsed": true,
11     "livedev.multibrowser": true
```

Line 1, Column 1 — 517 Lines | INS | JSON | Spaces: 2

A modern, open source text editor that understands web design.

Download Brackets 1.7

Other Downloads



Espresso

Web development IDE (but we use it just for CSS)

macrabbit.com/espresso/

$75

bootstrap.css

Action | New Style | New Group | Un/Comment | Tools

bootstrap.css

```
@media (min-width: 768px) {
  .dl-horizontal dt {
    float: left;
    width: 160px;
    overflow: hidden;
    clear: left;
    text-align: right;
    text-overflow: ellipsis;
    white-space: nowrap;
  }
  .dl-horizontal dd {
    margin-left: 180px;
  }
}
abbr[title],
abbr[data-original-title] {
  cursor: help;
  border-bottom: 1px dotted #999;
}
.initialism {
  font-size: 90%;
  text-transform: uppercase;
}
blockquote {
  padding: 10px 20px;
  margin: 0 0 20px;
  font-size: 17.5px;
  border-left: 5px solid #eee;
}
```

NAVIGATOR

- @media (min-width: 768px)
  - .dl-horizontal dt
  - .dl-horizontal dd
  - abbr[title],abbr[data-original-tit...
  - .initialism
  - blockquote
  - blockquote p:last-child,blockquote ul:last-ch...
  - blockquote footer,blockquote small,blockquote .sm...
  - blockquote footer:before,blockquote small:be...

Text | Decoration | Layout

Color:

Size:

Style: B | B+i | i | None

Decoration: aa | aa | aa | None

Variant: SMALL CAPS | Normal

Capitalize: Abc | ABC | abc | None

Font Family:

Alignment:

Abc | A_b_c | Abc_De

White space:

Visual Studio Code

Microsoft’s excellent code editor for a wide variety of languages

code.visualstudio.com

$0 & open source

index.html - csoats

EXPLORER

OPEN EDITORS 1 UNSAVED

index.html _site/2016/09/20/...

CSOATS

- _posts
- _sass
- _site
  - 2011
  - 2012
  - 2013
  - 2014
  - 2015
  - 2016
    - 09
      - 20
        - web-browser-defa...
          - index.html
  - colophon
  - css
  - images
  - js
  - page
  - search
  - subscribe
  - apple-touch-icon.png
  - apple-touch-icon-preco...
  - config.codekit
  - favicon.ico
  - favicon.png

index.html

```
<article class="post-content">
  <p>Every web browser has a built-in (User Agent) style sheet for rendering defau
    for those UA style sheets:</p>
  <ul>
    <li>W3C
      <ul>
        <li><a href="https://www.w3.org/TR/CSS2/sample.html">HTML 4.01</a></li>
        <li><a href="https://www.w3.org/TR/html5/rendering.html">HTML5</a></li>
        <li><a href="http://hell.meiert.org/core/css/css-1.css">CSS 1</a></li>
        <li><a href="http://hell.meiert.org/core/css/css-2.css">CSS 2</a></li>
        <li><a href="http://hell.meiert.org/core/css/css-2.1.css">CSS 2.1</a></li
      </ul>
    </li>
    <li>Firefox
      <ul>
        <li>Mercurial, at <a href="http://hg.mozilla.org/mozilla-central/file/tip/
        href="https://dxr.mozilla.org/mozilla-central/source/layout/style/res/html
        <li>GitHub, at <a href="https://github.com/mozilla/gecko-dev/blob/master/l
        <li>In Firefox, open <code class="highlighter-rouge">resource://gre-resour
          <code
            class="highlighter-rouge">html.css</code>
        </li>
      </ul>
    </li>
    <li>Safari, at <a href="https://trac.webkit.org/browser/trunk/Source/WebCore/c
```

master* 0 0 Ln 1, Col 1 Spaces: 2 UTF-8 LF HTML

2011-12-22-the-web-browser-extensions-i-always-install.markdown ↔ 2011-12-22-the-web-browser-extensions-i-always-install.markdown (Replace Preview) - csoats

SEARCH

web

Web

2011-12-20-urtak-the-sli 1
- ~~Web~~Web Development
2011-12-22-the-web-br 6
title: The ~~web~~Web brows...
important extensions I us...
called "If I could only hav...
access the same data in ...
extensions I install on eve...
Stylish—are about
2011-12-25-godaddy-su 1
According to the The Nex...
2011-12-27-boxee-on-th 2
found it easier to use via ...
or watch Hulu or some ot...
2011-12-29-best-videog 1
played. I like to use Amaz...
2011-12-30-how-to-rem 1
- ~~Web~~Web Development
2011-12-31-googles-des 3
- ~~Web~~Web Development
whose _raison d'être_ is t...
supposed to understand ...
2012-01-09-installing-3 3

2011-12-22-the-web-browser-extensions-i-always-install.markdown ↔ 2011-12-22-the-web-browser-extensions-i-always-install

```
---
author: Scott Granneman
comments: true
layout: post
title: The web browser extensions I alwa
categories: Security
---

I'm starting a series about the 5 most im

1. [1Password](https://agilebits.com/onep

2. [Adblock Plus](https://www.google.com/

3. Chrome YouTube Downloader: More on thi

4. [Stylish](http://userstyles.org/stylis

5. [Xmarks Bookmark Sync](http://www.xmar

The problem is that 4 of those go on ever

Looking at the 4, I notice that 2 of them
```

```
---
author: Scott Granneman
comments: true
layout: post
title: The Web browser extensions I alwa
categories: Security
---

I'm starting a series about the 5 most im

1. [1Password](https://agilebits.com/onep

2. [Adblock Plus](https://www.google.com/

3. Chrome YouTube Downloader: More on thi

4. [Stylish](http://userstyles.org/stylis

5. [Xmarks Bookmark Sync](http://www.xmar

The problem is that 4 of those go on ever

Looking at the 4, I notice that 2 of them
```

master* 0 0 379 Words Ln 5, Col 1 Spaces: 4 Markdown

index.html - csoats

GIT

Message (press Cmd+Enter to commit)

CHANGES 2

M 2013-11-17-how-to-save-...

U 2016-09-20-web-browser...

index.html

```
59        <article class="post-content">
60          <p>Every web browser has a built-in (User Agent) style sheet for rendering defau
61            for those UA style sheets:</p>
62          <ul>
63            <li>W3C
64              <ul>
65                <li><a href="https://www.w3.org/TR/CSS2/sample.html">HTML 4.01</a></li>
66                <li><a href="https://www.w3.org/TR/html5/rendering.html">HTML5</a></li>
67                <li><a href="http://hell.meiert.org/core/css/css-1.css">CSS 1</a></li>
68                <li><a href="http://hell.meiert.org/core/css/css-2.css">CSS 2</a></li>
69                <li><a href="http://hell.meiert.org/core/css/css-2.1.css">CSS 2.1</a></li
70              </ul>
71            </li>
72            <li>Firefox
73              <ul>
74                <li>Mercurial, at <a href="http://hg.mozilla.org/mozilla-central/file/tip/
                  href="https://dxr.mozilla.org/mozilla-central/source/layout/style/res/html
75                <li>GitHub, at <a href="https://github.com/mozilla/gecko-dev/blob/master/l
76                <li>In Firefox, open <code class="highlighter-rouge">resource://gre-resour
77                  <code
78                    class="highlighter-rouge">html.css</code>
79                </li>
80              </ul>
81            </li>
82            <li>Safari, at <a href="https://trac.webkit.org/browser/trunk/Source/WebCore/c
```

master* 0 0 Ln 72, Col 4 Spaces: 2 UTF-8 LF HTML

2013-11-17-how-to-save-a-perfectly-scraped-webpage-into-devonthink.markdown (HEAD) ↔ 2013-11-17-how-to-save-a-perfectly-scraped-webpage-into-devonthink.markdo...

GIT

Message (press Cmd+Enter to commit)

CHANGES 3

- U settings.json .vscode
- M 2013-11-17-how-t...
- U 2016-09-20-web-browser...

2013-11-17-how-to-save-a-perfectly-scraped-webpage-into-devonthink.markdown (HEAD) ↔ 2013-11-17-how-to-save-a-p

```
Once you have Homebrew up & running, run

    $ brew install coreutils gnu-sed dos2

If you use MacPorts (who uses that anymor

    $ sudo port install webarchiver

I don't use MacPorts, so I have no idea h

I went to [the GitHub page for the webarc

Once you've moved webarchiver to its new

{% highlight bash %}
$ webarchiver
webarchiver 0.5
Usage: webarchiver -url URL -output FILE
Example: webarchiver -url http://www.goog
-url  http:// or path to local file
-output File to write webarchive to
```

```
Once you have Homebrew up & running, run

    $ brew install coreutils gnu-sed dos2

> **Update from 2016-06-03**: Homebrew no

If you use MacPorts (who uses that anymor

    $ sudo port install webarchiver

I don't use MacPorts, so I have no idea h

I went to [the GitHub page for the webarc

Once you've moved `webarchiver` to its ne

{% highlight bash %}
$ webarchiver
webarchiver 0.5
Usage: webarchiver -url URL -output FILE
Example: webarchiver -url http://www.goog
-url  http:// or path to local file
-output File to write webarchive to
```

master* 1 1 3281 Words Ln 114, Col 1 Spaces: 2 UTF-8 LF Markdown

index.html - csoats

D... No Con

index.html

VARIABLES

WATCH

CALL STACK

BREAKPOINTS

```
59        <article class="post-content">
60          <p>Every web browser has a built-in (User Agent) style sheet for rendering defau
61            for those UA style sheets:</p>
62          <ul>
63            <li>W3C
64              <ul>
65                <li><a href="https://www.w3.org/TR/CSS2/sample.html">HTML 4.01</a></li>
66                <li><a href="https://www.w3.org/TR/html5/rendering.html">HTML5</a></li>
67                <li><a href="http://hell.meiert.org/core/css/css-1.css">CSS 1</a></li>
68                <li><a href="http://hell.meiert.org/core/css/css-2.css">CSS 2</a></li>
69                <li><a href="http://hell.meiert.org/core/css/css-2.1.css">CSS 2.1</a></li
70              </ul>
71            </li>
72            <li>Firefox
73              <ul>
74                <li>Mercurial, at <a href="http://hg.mozilla.org/mozilla-central/file/tip/
                  href="https://dxr.mozilla.org/mozilla-central/source/layout/style/res/html
75                <li>GitHub, at <a href="https://github.com/mozilla/gecko-dev/blob/master/l
76                <li>In Firefox, open <code class="highlighter-rouge">resource://gre-resour
77                  <code
78                    class="highlighter-rouge">html.css</code>
79                </li>
80              </ul>
81            </li>
82            <li>Safari, at <a href="https://trac.webkit.org/browser/trunk/Source/WebCore/c
```

master* 0 0 Ln 72, Col 4 Spaces: 2 UTF-8 LF HTML

index.html - csoats

EXTENSIONS

Search Extensions in Marketp

Auto Close Tag 0.3.4
Automatically add HTML/X...
Jun Han

beautify 0.5.3
Beautify code in place for V...
HookyQR

Can I Use 0.5.3
Compatibility check for HT...
Mahmoud Ali

HTML Snippets 0.0.18
Full HTML tags including HT...
Mohamed Abusaid

htmltagwrap 0.0.3
Wraps selected code with H...
Brad Gashler

join-lines 0.1.5
Use Ctrl+j/Cmd+j to join line...
wmaurer

Markdown Theme Kit 0.1.1
Theme Kit for VS Code opti...
Microsoft

Markdown Toc 1.3.0
Markdown TOC(Table Of Co...
AlanWalk

Stylesheet Formatter 0.2.0
Formatter for CSS, SASS, L...
Balazs Deak

index.html

```
59      <article class="post-content">
60        <p>Every web browser has a built-in (User Agent) style sheet for rendering defau
61          for those UA style sheets:</p>
62        <ul>
63          <li>W3C
64            <ul>
65              <li><a href="https://www.w3.org/TR/CSS2/sample.html">HTML 4.01</a></li>
66              <li><a href="https://www.w3.org/TR/html5/rendering.html">HTML5</a></li>
67              <li><a href="http://hell.meiert.org/core/css/css-1.css">CSS 1</a></li>
68              <li><a href="http://hell.meiert.org/core/css/css-2.css">CSS 2</a></li>
69              <li><a href="http://hell.meiert.org/core/css/css-2.1.css">CSS 2.1</a></li
70            </ul>
71          </li>
72          <li>Firefox
73            <ul>
74              <li>Mercurial, at <a href="http://hg.mozilla.org/mozilla-central/file/tip/
                  href="https://dxr.mozilla.org/mozilla-central/source/layout/style/res/html
75              <li>GitHub, at <a href="https://github.com/mozilla/gecko-dev/blob/master/l
76              <li>In Firefox, open <code class="highlighter-rouge">resource://gre-resour
77                <code
78                  class="highlighter-rouge">html.css</code>
79              </li>
80            </ul>
81          </li>
82          <li>Safari, at <a href="https://trac.webkit.org/browser/trunk/Source/WebCore/c
```

master* 0 0 Ln 72, Col 4 Spaces: 2 UTF-8 LF HTML

index.html - csoats

EXTENSIONS

Search Extensions in Mar

Auto Close Tag 0.3.4
Automatically add HTML/
Jun Han

beautify 0.5.3
Beautify code in place for
HookyQR

Can I Use 0.5.3
Compatibility check for H
Mahmoud Ali

HTML Snippets 0.0.18
Full HTML tags including
Mohamed Abusaid

htmltagwrap 0.0.3
Wraps selected code with
Brad Gashler

join-lines 0.1.5
Use Ctrl+j/Cmd+j to join li
wmaurer

Markdown Theme Kit 0.1.1
Theme Kit for VS Code opti...
Microsoft

Markdown Toc 1.3.0
Markdown TOC(Table Of Co...
AlanWalk

Stylesheet Formatter 0.2.0
Formatter for CSS, SASS, L...
Balazs Deak

Update All Extensions

Show Installed Extensions
Show Outdated Extensions
Show Disabled Extensions
Show Recommended Extensions
Show Workspace Recommended Extensions
Show Popular Extensions

Sort By: Install Count
Sort By: Rating

Sort Order: ↑
Sort Order: ↓

Disable All
Disable All (Workspace)

Enable All
Enable All (Workspace)

Install from VSIX...
Configure Recommended Extensions (Workspace)

index.html

```
ost-content">
owser has a built-in (User Agent) style sheet for rendering defau
style sheets:</p>

ef="https://www.w3.org/TR/CSS2/sample.html">HTML 4.01</a></li>
ef="https://www.w3.org/TR/html5/rendering.html">HTML5</a></li>
ef="http://hell.meiert.org/core/css/css-1.css">CSS 1</a></li>
ef="http://hell.meiert.org/core/css/css-2.css">CSS 2</a></li>
ef="http://hell.meiert.org/core/css/css-2.1.css">CSS 2.1</a></li>

rial, at <a href="http://hg.mozilla.org/mozilla-central/file/tip/
ps://dxr.mozilla.org/mozilla-central/source/layout/style/res/html
    <li>GitHub, at <a href="https://github.com/mozilla/gecko-dev/blob/master/l
    <li>In Firefox, open <code class="highlighter-rouge">resource://gre-resour
      <code
        class="highlighter-rouge">html.css</code>
    </li>
  </ul>
</li>
<li>Safari, at <a href="https://trac.webkit.org/browser/trunk/Source/WebCore/c
```

master* 0 0 Ln 72, Col 4 Spaces: 2 UTF-8 LF HTML

settings.json - csoats

EXPLORER

- OPEN EDITORS
- LEFT
  - index.html _site/2016/09/20/...
  - Default Settings
- RIGHT
  - settings.json /Users/rsgrann...
- CSOATS
  - _posts
  - _sass
  - _site
    - 2011
    - 2012
    - 2013
    - 2014
    - 2015
    - 2016
      - 09
        - 20
          - web-browser-defa...
            - index.html
    - colophon
    - css
    - images
    - js
    - page
    - search
    - subscribe
    - apple-touch-icon.png

index.html | Default Settings

```
5   // Editor ...
152 // Emmet ...
167 // Workbench ...
197 // Window ...
212 // Files ...
250 // File Explorer ...
265 // Search ...
277 // Git ...
304 // HTTP ...
316 // Update ...
322 // CSS ...
384 // SCSS (Sass) ...
446 // LESS ...
508 // Debug ...
517 // HTML ...
556 // JSON ...
565 // Markdown ...
571 // PHP ...
583 // TypeScript. ...
682 // Extensions ...
688 // External Terminal ...
700 // Integrated Terminal ...
767 // Problems View ...
773 // Telemetry ...
783 // Auto Close Tag configuration ...
```

settings.json

```
// Place your settings in this file to ov
{
    "editor.fontFamily": "Source Code Pro
    "editor.fontSize": 16,
    "beautify.onSave": false,
}
```

master* 1 2 | Ln 1, Col 1 | Spaces: 4 | UTF-8 | LF | JSON

settings.json - csoats

EXPLORER

- OPEN EDITORS
- LEFT
  - index.html _site/2016/09/20/...
  - Default Settings
- RIGHT
  - settings.json /Users/rsgrann...
- CSOATS
  - _posts
  - _sass
  - _site
    - 2011
    - 2012
    - 2013
    - 2014
    - 2015
    - 2016
      - 09
        - 20
          - web-browser-defa...
            - index.html
    - colophon
    - css
    - images
    - js
    - page
    - search
    - subscribe
    - apple-touch-icon.png

index.html | Default Settings

```
// Overwrite settings by placing them int
// See http://go.microsoft.com/fwlink/?Li
{

// Editor

    // Controls the font family.
    "editor.fontFamily": "Menlo, Monaco,

    // Controls the font weight.
    "editor.fontWeight": "normal",

    // Controls the font size in pixels.
    "editor.fontSize": 12,

    // Controls the line height. Use 0 to
    "editor.lineHeight": 0,

    // Controls the display of line numbe
    "editor.lineNumbers": "on",

    // Columns at which to show vertical
    "editor.rulers": [],

    // Characters that will be used as wo
```

settings.json

```
// Place your settings in this file to ov
{
    "editor.fontFamily": "Source Code Pro
    "editor.fontSize": 16,
    "beautify.onSave": false,
}
```

master* 1 2 | Ln 1, Col 1 | Spaces: 4 | UTF-8 | LF | JSON

Version 1.6 is now available! Read about the new features and fixes in September.

Overview

INTRO VIDEOS

SETUP

EDITOR

- The Basics
- Extension Marketplace
- IntelliSense
- Editing Evolved
- Debugging
- Version Control
- Tasks
- Integrated Terminal
- Tabs
- Accessibility
- Why VS Code

CUSTOMIZATION

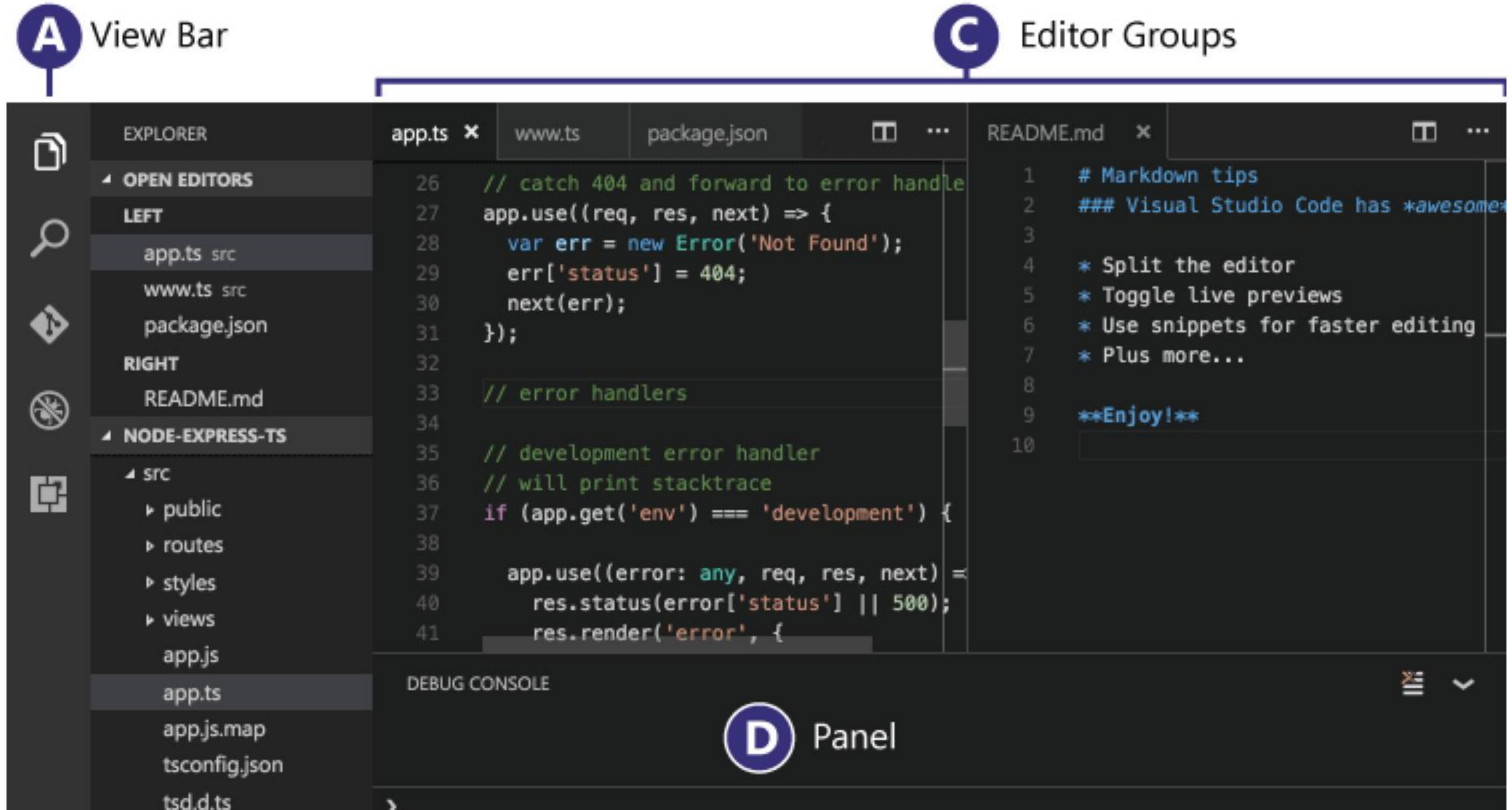
LANGUAGES

RUNTIMES

The Basics of Visual Studio Code

Edit

At its heart, Visual Studio Code is a code editor. Like many other code editors, VS Code adopts a common user interface and layout of an explorer on the left, showing all of the files and folders you have access to, and an editor on the right, showing the content of the files you have opened.



IN THIS ARTICLE

- Files, Folders & Projects
- Basic Layout
- Side by Side Editing
- Explorer
- Open Editors
- Configuring the Editor
- Multiple selections (multi-cursor)
- Column (box) selection
- Save / Auto Save
- Search Across Files
- Command Palette
- Quick File Navigation
- File Encoding Support
- Launching from the Command Line
- Additional Command line arguments
- Window Management
- Next Steps

Pre-Processors

What's a *preprocessor*?

A program that processes input data & produces output that is then used as input to another program

Input → Preprocessor → Output/Input → Program

Input	Markdown-formatted file
↓	↓
Preprocessor	Markdown converter
↓	↓
Output/Input	HTML
↓	↓
Program	Browser rendering engine

Markdown, Textile, & AsciiDoc	→	HTML
TypeScript	→	JavaScript
Sass, Less, & PostCSS	→	CSS

Common pre-processors

Markdown → HTML

Markdown

Lightweight markup language

en.wikipedia.org/wiki/Markdown

$0

By JOHN GRUBER

ADS VIA THE DECK

Markdown

DOWNLOAD

Markdown 1.0.1 (18 KB) — 17 Dec 2004

INTRODUCTION

Markdown is a text-to-HTML conversion tool for web writers. Markdown allows you to write using an easy-to-read, easy-to-write plain text format, then convert it to structurally valid XHTML (or HTML).

Thus, "Markdown" is two things: (1) a plain text formatting syntax; and (2) a software tool, written in Perl, that converts the plain text formatting to HTML. See the Syntax page for details pertaining to Markdown's formatting syntax. You can try it out, right now, using the online Dingus.

The overriding design goal for Markdown's formatting syntax is to make it as readable as possible. The idea is that a Markdown-formatted document

Degrees of formatted text

Informal	Plain text	TXT
	Informal markup	Markdown
	Formal markup	HTML, XML
Formal	Binary	Word

Syntax

Paragraph

Blank lines before & after

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

Headers

Preface with #, ##, ###, ####, #####, or ######

&/or

Underline with = for Header 1
Underline with – for Header 2

```
# Header 1

Lorem ipsum dolor sit amet,
consectetur adipisicing elit.

## Header 2

Lorem ipsum dolor sit amet,
consectetur adipisicing elit.

### Header 3

Lorem ipsum dolor sit amet,
consectetur adipisicing elit.
```

Header 1

Lorem ipsum dolor sit amet, consectetur adipisicing elit.

Header 2

Lorem ipsum dolor sit amet, consectetur adipisicing elit.

Header 3

Lorem ipsum dolor sit amet, consectetur adipisicing elit.

Bulleted Lists

Begin line with * or + or –

Indent 4 spaces or 1 tab for sub-lists

```
Linux types:

* APT-based
  * Debian
  * Ubuntu
  * Mint
* RPM-based
  * Fedora
  * Red Hat
  * CentOS
```

Linux types:

- APT-based
  - Debian
  - Ubuntu
  - Mint
- RPM-based
  - Fedora
  - Red Hat
  - CentOS

Numbered Lists

Begin line with `1.`

Actual order of numbers unimportant, so `1. 1. 1.` is just as valid as `1. 2. 3.` or even `3. 2. 1.`

Indent 4 spaces or 1 tab for sub-list

```
How underwear gnomes make money:

1. Collect underwear
1. ???
1. Profit!!
```

How underwear gnomes make money:

1. Collect underwear
2. ???
3. Profit!!

Code Blocks

Indent with 4 spaces or 1 tab

Sample CSS:

```
h2 {
  font-size: 1.75em;
  margin: 20px 0 5px 0;
  font-style: italic;
}
```

Sample CSS:

```
h2 {
    font-size: 1.75em;
    margin: 20px 0 5px 0;
    font-style: italic;
}
```

Inline Code

Surround code with `backticks`

```
Paste the following in, changing
`example-bucket` to your bucket
name (`colostomo` in my case).

If you use `<br>` instead of
`<p>` when you create paragraphs
in your HTML, you will run into
problems with your CSS.
```

Paste the following in, changing `example-bucket` to your bucket name (`colostomo` in my case).

If you use `<br>` instead of `<p>` when you create paragraphs in your HTML, you will run into problems with your CSS.

Italics

Surround with `*`star`*` or _underscore_

Bold

Surround with `**`starstar`**` or `__underscoreunder__`

```
First I said *hey* and then I
hollered **whoa** and then I
yelled ***stop!***
```

First I said *hey* and then I hollered **whoa** and then I yelled ***stop!***

Links

```
[Link text](URL "Optional Title")
```

```
Check out [Scott's website]
(http://www.granneman.com) or
follow [Bill on Twitter](http://
twitter.com/wnodom).
```

Check out Scott’s website or follow Bill on Twitter.

Images

```
![Alt text](URL "Optional Title")
```

```
I woke up this morning & I got
myself a beer.

![Groggy morning](http://
farm4.static.flickr.com/
3143/3048002285_2063211ca1_m.jpg
"Not lookin' good")
```

I woke up this morning & I got myself a beer.

Original Markdown does not support

» Description (definition) lists
» Tables
» Attributes & values
» Subscript & Superscript
» Appendices
» TeX or LaTeX

(But just wait!)

You can always embed HTML in a Markdown document

```
[Markdown](https://en.wikipedia.org/wiki/Markdown) doesn't support tables natively, but that won't stop me!

<table>
  <tr>
    <th></th>
    <th>Apple</th>
    <th>Microsoft</th>
  </tr>
  <tr>
    <th>2011</th>
    <td>Jobs</td>
    <td>Ballmer</td>
  </tr>
  <tr>
    <th>2014</th>
    <td>Cook</td>
    <td>Nadella</td>
  </tr>
</table>
```

Markdown doesn't support tables natively, but that won't stop me!

	Apple	Microsoft
2011	Jobs	Ballmer
2014	Cook	Nadella

Process

Create a file using your favorite text editor or a Markdown program

Enter Markdown & text

Convert to HTML or other desired output

File extension

`.md`
`.markdown`
`.mdown`
`.mdwn`
`.txt`

Actually, it doesn’t really matter

File extension

`.md`
`.markdown` ⇦ What I use
`.mdown`
`.mdwn`
`.txt`

Actually, it doesn’t really matter

Forks

MultiMarkdown

Written by Fletcher Penney in C

fletcherpenney.net/multimarkdown/

MultiMarkdown

tags: MultiMarkdown

"As the world goes multi-platform with all of the new mobile operating systems, MultiMarkdown provides an easy way to share formatting between all of my devices. It's easy to learn (even for us mortals) and immediately useful."

— David Sparks, **MacSparky.com**

"Personally, it's changed my game — it's how I think now. Can't imagine writing more than a paragraph in anything that doesn't do MMD."

— Merlin Mann, **kung fu grippe**

What is MultiMarkdown?

MultiMarkdown, or MMD, is a tool to help turn minimally marked-up plain text into well formatted documents, including HTML, PDF (by way of **LaTeX**), **OPML**, or OpenDocument (specifically, Flat **OpenDocument** or '.fodt', which can in turn be converted into **RTF**, Microsoft Word, or virtually any other word-processing format).

MMD is a superset of the **Markdown** syntax, originally created by John

Outputs

» HTML
» LaTeX
» OPML
» OpenDocument XML (OpenOffice & LibreOffice)

Adds support for…

» Definition lists
» Tables
» Link & image attributes
» Footnotes
» Metadata
» Bibliographies
» Appendices
» Glossaries
» TeX

Footnotes

```
Text[^footnote-label]
```

Later in file:

```
[^footnote-label]: Footnote text goes here
```

```
For the first two nights, who’s feeling seasick and who’s not and who’s not now but was a little while ago or isn’t feeling it yet but thinks it’s maybe coming on, etc., is a big topic of conversation at Table 64 in the Five-Star Caravelle Restaurant.[^restaurant-name] Discussing nausea and vomiting while eating intricately prepared gourmet foods doesn’t seem to bother anybody.

[^restaurant-name]: This is on Deck 7, the serious dining room, and it's never called just "the Caravelle Restaurant" (and never just "the Restaurant")—it's always "the Five-Star Caravelle Restaurant."
```

For the first two nights, who’s feeling seasick and who’s not and who’s not now but was a little while ago or isn’t feeling it yet but thinks it’s maybe coming on, etc., is a big topic of conversation at Table 64 in the Five-Star Caravelle Restaurant.[1] Discussing nausea and vomiting while eating intricately prepared gourmet foods doesn’t seem to bother anybody.

---

1. This is on Deck 7, the serious dining room, and it’s never called just “the Caravelle Restaurant” (and never just “the Restaurant”)—it’s always “the Five-Star Caravelle Restaurant.”

My new favorite Mac OS X keyboard shortcut; or, how to see hidden files with Sublime Text

Posted on September 1, 2012

In BBEdit, when you hit Command-O to open a file, the dialog box has this wonderful checkbox: Show Hidden Items. Once checked, it stays checked. This is great if, like me, you can constantly opening dotfiles in your home directory to edit.

Sublime Text, alas, has no such thing. You can navigate to hidden folders if you know the path by pressing the ~ (the tilde) in an Open dialog window[1]. But what if you're in a directory & want to see the hidden *files*? You're out of luck.

Unless, that is, you know the super-cool & also super-hidden key command to toggle the display of hidden files in an Open dialog window: Command-Shift-. (that's a period at the end, which makes sense, since that period at the beginning of file names is what makes them invisible!). Press it once, & hidden files reveal themselves; press it again, & they disappear like a Romulan Bird of Prey[2].

Oh, I am *so* going to use this command all the time!

---

1. Actually, you can do that in BBEdit & pretty much any Open dialog window on your Mac. ↩
2. http://en.memory-alpha.org/wiki/Romulan_Bird-of-Prey_(23rd_century), for those of you who are Trek-ignorant. ↩

My new favorite Mac OS X keyboard shortcut; or, how to see hidden files with Sublime Text

Posted on September 1, 2012

In BBEdit, when you hit Command-O to open a file, the dialog box has this wonderful checkbox: Show Hidden Items. Once checked, it stays checked. This is great if, like me, you can constantly opening dotfiles in your home directory to edit.

Sublime Text, alas, has no such thing. You can navig hidden folders if you know the path by pressing the ~ (the tilde) in an Open dialog window[1]. But what if you're in a directory & want to see the hidden *files*? You're out of luck.

Unless, that is, you know the super-cool & also super-hidden key command to toggle the display of hidden fil s in pen dialog window: Command-Shift-. (that's a period at the end, which makes sense that period at the beginning of file names is what makes them invisible!). Press it once den files reveal themselves; press it again, & they disappear like a Romulan Bird of Prey[2].

Oh, I am ing to use this command all the time!

---

1. Actually, you can do that in BBEdit & pretty much any Open dialog window on your Mac. ↩
2. http://en.memory-alpha.org/wiki/Romulan_Bird-of-Prey_(23rd_century), for those of you who are Trek-ignorant. ↩

Image attributes

```
![Image-Ref][]
```

Later in file:

```
[Image-Ref]: URL "Title" width=100px
height=100px class=value
```

PHP Markdown Extra

Written by Michel Fortin in PHP

michelf.ca/projects/php-markdown/extra/

PHP Markdown Extra

Markdown Extra is an extension to PHP Markdown implementing some features currently not available with the plain Markdown syntax. Markdown Extra is available as a separate parser class in PHP Markdown Lib.

This document explains the changes and additions to the Markdown syntax implemented by Markdown Extra. You should already be familiar with original Markdown syntax documentation before reading this document.

- Inline HTML
- Markdown Inside HTML Blocks
- Special Attributes
- Fenced Code Blocks
- Tables
- Definition Lists
- Footnotes
  - Output
- Abbreviations
- Ordered Lists
- Emphasis
- Backslash Escapes

Found in many PHP-based CMSs

Outputs HTML

Adds support for...

» Definition lists
» Fenced Code Blocks
» Tables
» Footnotes
» Abbreviations

Fenced Code Blocks

Surround lines of code with either ```` or ~~~

Must match: if you use ```, end with ```

This is how your CSS should look:

```
selector {
  property: value;
  property: value;
}
```

If you format it that way, it’s easy to read.

This is how your CSS should look:

```
selector {
  property: value;
  property: value;
}
```

If you format it that way, it’s easy to read.

GitHub (Sundown)

Written by GitHub developers in C

Bindings with Ruby, Node.js, Python, PHP, Haskell, Go, .NET

github.github.com/github-flavored-markdown/

- Getting started with writing and formatting on GitHub
  - About writing and formatting on GitHub
  - Basic writing and formatting syntax
- Working with advanced formatting
  - Organizing information with tables
  - Creating and highlighting code blocks
  - Autolinked references and URLs
- Working with saved replies
  - Creating a saved reply
  - Changing a saved reply
  - Deleting a saved reply
  - Using saved replies

© 2016 GitHub Inc. All rights reserved.

Outputs HTML

Adds support for...

» Fenced Code Blocks
» Strikethrough
» Superscripts & Subscripts
» TeX & LaTeX math

Strikethrough

```
--Text to strike--
```

```
I have but --your-- one life to give
for my country.
```

I have but ~~your~~ one life to give for my country.

Superscript

```
mc^2^
```

Subscript

```
H-2-O
```

```
My favorite equation is e=mc^2^.

My favorite drink is H-2-0.
```

My favorite equation is $e=mc^2$.

My favorite drink is H_20.

Pandoc

Convert between one markup format to another

johnmacfarlane.net/pandoc/

$0

About
Installing
Getting started
Demos
Try pandoc online
Examples
Documentation
User's Guide
FAQ
API documentation
Contributing
Mailing lists
Scripting
Making an ebook
Extras
Releases

About pandoc

If you need to convert files from one markup format into another, pandoc is your swiss-army knife. Pandoc can convert documents in markdown, reStructuredText, textile, HTML, DocBook, LaTeX, MediaWiki markup, OPML, Emacs Org-Mode, or Haddock markup to

- HTML formats: XHTML, HTML5, and HTML slide shows using Slidy, reveal.js, Slideous, S5, or DZSlides.
- Word processor formats: Microsoft Word docx, OpenOffice/LibreOffice ODT, OpenDocument XML
- Ebooks: EPUB version 2 or 3, FictionBook2
- Documentation formats: DocBook, GNU TexInfo, Groff man pages, Haddock markup
- Page layout formats: InDesign ICML
- Outline formats: OPML
- TeX formats: LaTeX, ConTeXt, LaTeX Beamer slides
- PDF via LaTeX
- Lightweight markup formats: Markdown, reStructuredText, AsciiDoc, MediaWiki markup, Emacs Org-Mode, Textile
- Custom formats: custom writers can be written in lua.

Pandoc understands a number of useful markdown syntax extensions, including document metadata (title, author, date); footnotes; tables; definition lists; superscript and subscript; strikeout; enhanced ordered lists (start number and numbering style are significant); running example lists; delimited code blocks with syntax highlighting; smart quotes, dashes, and ellipses; markdown inside HTML blocks; and inline LaTeX. If strict markdown compatibility is desired, all of these extensions can be turned off.

LaTeX math (and even macros) can be used in markdown documents. Several different methods of rendering math in HTML are provided, including MathJax and translation to MathML. LaTeX math is rendered in docx using native Word equation objects.

Pandoc includes a powerful system for automatic citations and bibliographies, using the

Outputs

HTML, LaTeX, ConTeXt, Markdown, OPML, OpenDocument XML, ODT, Word docx, Textile, reStructuredText, RTF, PDF, DocBook, Texinfo, Groff man, MediaWiki, Emacs org-mode, EPUB, Slidy, S5

Adds support for...

» Headers get automatic ID
» Differing list numbers
» Fenced Code Blocks
» Tables
» Footnotes
» Strikethrough
» Superscripts & subscripts
» Metadata
» Bibliographies
» Templating
» TeX

Differing list numbers

```
1. List item
  A. Sub-list item
  B. Sub-list item
    1) Sub-sub-list item
    2) Sub-sub-list item
2. List item
```

Metadata

```
% Title of document
% Author
% Date
```

Markdown → HTML

```
pandoc -o foo.html foo.md
```

Markdown → Standalone HTML document

```
pandoc -s -o foo.html foo.md
```

Markdown → Standalone HTML document, with smart punctuation

```
pandoc -S -s -o foo.html foo.md
```

Markdown → Standalone HTML document, with smart punctuation & table of contents

```
pandoc --toc -S -s -o foo.html foo.md
```

Markdown → EPUB

```
pandoc -o foo.epub foo.md
```

Markdown → PDF

```
pandoc -o foo.pdf foo.md
```

Software

Mou

Full-featured & actively developed

mouapp.com

$0 while still in beta

help.md 730 Words

```
# Mou

![Mou icon](http://mouapp.com/Mou_128.png)

## Overview

**Mou**, the missing Markdown editor for *web developers*.

### Syntax

#### Strong and Emphasize

**strong** or __strong__ ( Cmd + B )

*emphasize* or _emphasize_ ( Cmd + I )

**Sometimes I want a lot of text to be bold.
Like, seriously, a _LOT_ of text**

#### Blockquotes

> Right angle brackets &gt; are used for block quotes.

#### Links and Email

An email <example@example.com> link.

Simple inline link <http://chenluois.com>, another inline
link [Smaller](http://smallerapp.com), one more inline link
with title [Resize](http://resizesafari.com "a Safari
extension").

A [reference style][id] link. Input id, then anywhere in
the doc, define the link with corresponding id:

[id]: http://mouapp.com "Markdown editor on Mac OS X"
```

Mou

Overview

Mou, the missing Markdown editor for *web developers*.

Syntax

Strong and Emphasize

strong or **strong** (Cmd + B)

emphasize or *emphasize* (Cmd + I)

Sometimes I want a lot of text to be bold. Like, seriously, a *LOT* of text

Blockquotes

> *Right angle brackets > are used for block quotes.*

Marked

Markdown Preview for any text editor

markedapp.com

$3.99 in the Mac App Store

02 The Basics redactions.markdown

```
3  ## Sort Contents by File Extension
4
5  `ls -X`
6
7  The name of a file is not the only thing you can use for alphab
   You can also sort alphabetically by the file extension. In othe
   can tell ls to group all the files ending with `.doc` together,
   files ending with `.jpg`, and finally finishing with files endi
   Use the `-X` option (or `--sort=extension`); if you want to rev
   add the `-r` option (or `--reverse`).
8
9      $ ls -lX ~/src
10     drwxr-xr-x  11 scott scott      320 2015-10-06 22:35 backup
11     drwxr-xr-x   4 scott scott       96 2015-04-20 11:24 window
12     -rw-r--r--   1 scott scott  2983001 2015-06-20 02:15 instal
13     -rw-r--r--   1 scott scott    13156 2015-10-18 15:55 horton
14     -rwxr-xr-x   2 scott scott       96 2015-10-18 11:27 Calvin
15     -rwxr--r--   1 scott scott     2294 2015-06-20 02:15 instal
16     -rw-r--r--   1 scott scott    13156 2015-10-18 15:55 horton
17     -rw-r--r--   1 scott scott  6683923 2015-09-24 22:41 Duck_D
18
19 Folders go first in the list (after all, they have no file exte
   followed by the files that do possess an extension. Pay particu
   to `installdata.tar.gz`—it has two extensions, but the final on
   is what is used by `ls`.
20
```

307 Words, 2013 Chars, 53 Lines, Page 1/2, ~1m 32s reading time, Line 42, Column 16

02 The Basics redactions.markdown

Sort Contents by File Extension

`ls -X`

The name of a file is not the only thing you can use for alphabetical sorting. You can also sort alphabetically by the file extension. In other words, you can tell ls to group all the files ending with `.doc` together, followed by files ending with `.jpg`, and finally finishing with files ending with `.txt`. Use the `-X` option (or `--sort=extension`); if you want to reverse the sort, add the `-r` option (or `--reverse`).

```
$ ls -lX ~/src
drwxr-xr-x  11 scott scott      320 2015-
10-06 22:35 backups
drwxr-xr-x   4 scott scott       96 2015-
04-20 11:24 windows_patches
-rw-r--r--   1 scott scott  2983001 2015-
06-20 02:15 installdata.tar.gz
-rw-r--r--   1 scott scott    13156 2015-
10-18 15:55 horton.html
-rwxr-xr-x   2 scott scott       96 2015-
```

Swiss 381 words

02 The Basics redactions.markdown

```
3   ## Sort Contents by File Extension
4
5   `ls -X`
6
7   The name of a file is not the only thing you can use for alphab
    You can also sort alphabetically by the file extension. In othe
    can tell ls to group all the files ending with `.doc` together,
    files ending with `.jpg`, and finally finishing with files endi
    Use the `-X` option (or `--sort=extension`); if you want to rev
    add the `-r` option (or `--reverse`).
8
9       $ ls -lX ~/src
10      drwxr-xr-x  11 scott scott      320 2015-10-06 22:35 backup
11      drwxr-xr-x   4 scott scott       96 2015-04-20 11:24 window
12      -rw-r--r--   1 scott scott  2983001 2015-06-20 02:15 instal
13      -rw-r--r--   1 scott scott    13156 2015-10-18 15:55 horton
14      -rwxr-xr-x   2 scott scott       96 2015-10-18 11:27 Calvin
15      -rwxr--r--   1 scott scott     2294 2015-06-20 02:15 instal
16      -rw-r--r--   1 scott scott    13156 2015-10-18 15:55 horton
17      -rw-r--r--   1 scott scott  6683923 2015-09-24 22:41 Duck_D
18
19  Folders go first in the list (after all, they have no file exte
    followed by the files that do possess an extension. Pay particu
    to `installdata.tar.gz`—it has two extensions, but the final on
    is what is used by `ls`.
20
```

307 Words, 2013 Chars, 53 Lines, Page 1/2, ~1m 32s reading time, Line 42, Column 16

02 The Basics redactions.markdown

Sort Contents by File Extension

```
ls -X
```

The name of a file is not the only thing you can use for alphabetical sorting. You can also sort alphabetically by the file extension. In other words, you can tell ls to group all the files ending with `.doc` together, followed by files ending with `.jpg`, and finally finishing with files ending with `.txt`. Use the `-X` option (or `--sort=extension`); if you want to reverse the sort, add the `-r` option (or `--reverse`).

```
$ ls -lX ~/src
drwxr-xr-x  11 scott scott      320 2015-
10-06 22:35 backups
drwxr-xr-x   4 scott scott       96 2015-
```

Swiss 381 words

02 The Basics redactions.markdown

Sort Contents by File Extension

`ls -X`

The name of a file is not the only thing you can use for alphab
You can also sort alphabetically by the file extension. In othe
can tell ls to group all the files ending with `.doc` together,
files ending with `.jpg`, and finally finishing with files endi
Use the `-X` option (or `--sort=extension`); if you want to rev
add the `-r` option (or `--reverse`).

```
$ ls -lX ~/src
drwxr-xr-x  11 scott scott      320 2015-10-06 22:35 backup
drwxr-xr-x   4 scott scott       96 2015-04-20 11:24 window
-rw-r--r--   1 scott scott  2983001 2015-06-20 02:15 instal
-rw-r--r--   1 scott scott    13156 2015-10-18 15:55 horton
-rwxr-xr-x   2 scott scott       96 2015-10-18 11:27 Calvin
-rwxr--r--   1 scott scott     2294 2015-06-20 02:15 instal
-rw-r--r--   1 scott scott    13156 2015-10-18 15:55 horton
-rw-r--r--   1 scott scott  6683923 2015-09-24 22:41 Duck_D
```

Folders go first in the list (after all, they have no file exte
followed by the files that do possess an extension. Pay particu
to `installdata.tar.gz`—it has two extensions, but the final on
is what is used by `ls`.

307 Words, 2013 Chars, 53 Lines, Page 1/2, ~1m 32s reading time, Line 42, Column 16

02 The Basics redactions.markdown

Copy

```
<p>The following were removed from Chapter 2, &#8220;The Basics&#8221;.</p>

<h2 id="sortcontentsbyfileextension">Sort Contents by File Extension</h2>

<p><code>ls -X</code></p>

<p>The name of a file is not the only thing you can use for alphabetical sorting. You can also sort alphabetically by the file extension. In other words, you can tell ls to group all the files ending with <code>.doc</code> together, followed by files ending with <code>.jpg</code>, and finally finishing with files ending with <code>.txt</code>. Use the <code>-X</code> option (or <code>--sort=extension</code>); if you want to reverse the sort, add the <code>-r</code> option (or <code>--reverse</code>).</p>

<pre><code>$ ls -lX ~/src
drwxr-xr-x  11 scott scott      320 2015-10-06 22:35 backups
drwxr-xr-x   4 scott scott       96 2015-04-20 11:24 windows_patches
-rw-r--r--   1 scott scott  2983001 2015-06-20 02:15 installdata.tar.gz
-rw-r--r--   1 scott scott    13156 2015-10-18 15:55 horton.html
-rwxr-xr-x   2 scott scott       96 2015-10-18 11:27 Calvin_n_Hobbes.pdf
-rwxr--r--   1 scott scott     2294 2015-06-20 02:15 installer.sh
-rw-r--r--   1 scott scott    13156 2015-10-18 15:55 horton.txt
```

Swiss 381 words

MarkdownPad

Sort of like Mou for Windows

markdownpad.com

Free / $15 gets you no usage restrictions & many other features

MarkdownPad 2

File Edit Insert View Tools Help

Welcome to MarkdownPad 2.md | github.md | readme.md

```
## Welcome to MarkdownPad 2 ##

**MarkdownPad** is a full-featured Markdown editor
for Windows.

### Built exclusively for Markdown ###

Enjoy first-class Markdown support with easy access
to  Markdown syntax and convenient keyboard
shortcuts.

Give them a try:

- **Bold** (`Ctrl+B`) and *Italic* (`Ctrl+I`)
- Quotes (`Ctrl+Q`)
- Code blocks (`Ctrl+K`)
- Headings 1, 2, 3 (`Ctrl+1`, `Ctrl+2`, `Ctrl+3`)
- Lists (`Ctrl+U` and `Ctrl+Shift+O`)

### See your changes instantly with LivePreview ###

Don't guess if your [hyperlink syntax](http://
markdownpad.com) is correct; LivePreview will show
you exactly what your document looks like every time
you press a key.

### Make it your own ###

Fonts, color schemes, layouts and stylesheets are all
100% customizable so you can turn MarkdownPad into
your perfect editor.
```

Welcome to MarkdownPad 2

MarkdownPad is a full-featured Markdown editor for Windows.

Built exclusively for Markdown

Enjoy first-class Markdown support with easy access to Markdown syntax and convenient keyboard shortcuts.

Give them a try:

- **Bold** (`Ctrl+B`) and *Italic* (`Ctrl+I`)
- Quotes (`Ctrl+Q`)
- Code blocks (`Ctrl+K`)
- Headings 1, 2, 3 (`Ctrl+1`, `Ctrl+2`, `Ctrl+3`)
- Lists (`Ctrl+U` and `Ctrl+Shift+O`)

See your changes instantly with LivePreview

Don't guess if your hyperlink syntax is correct; LivePreview will show you exactly what your document looks like every time you press a key.

Make it your own

Fonts, color schemes, layouts and stylesheets are all 100% customizable so you can turn MarkdownPad into your perfect editor.

Words: 121

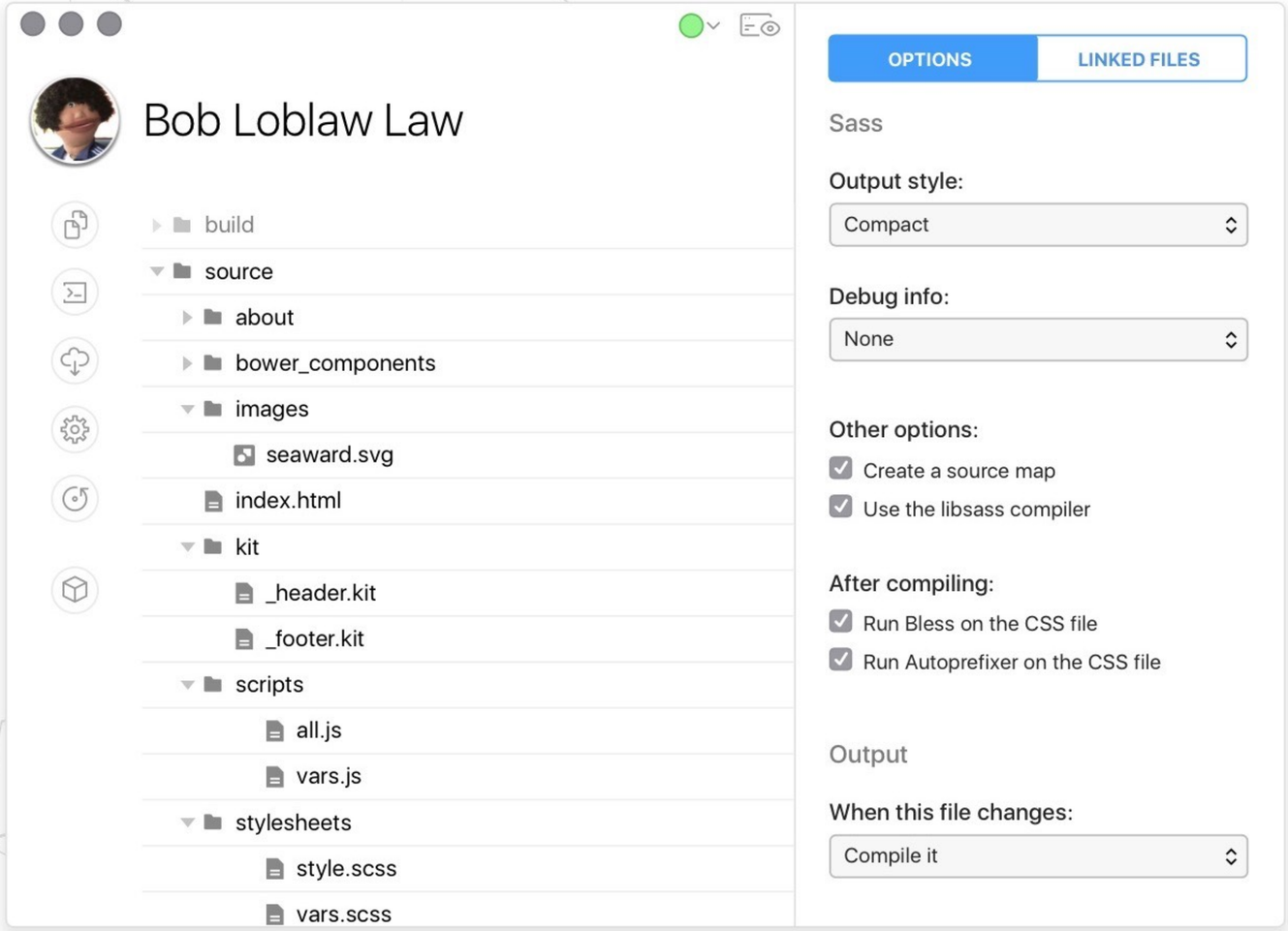
Swiss Army Knives

CodeKit

Compile pre-processors, preview, optimize, & build your projects

incident57.com/codekit/

$32



Build websites faster and better

BUY NOW $34

DOWNLOAD

What's new in CodeKit 3.0

The trial includes all features and unlocks in place

Version 3.0.3 (25444), macOS 10.11+

CodeKit

csoats

Assets Server Preview

All Files Log

PROJECTS

- csoats
- facebook-form
- bootstrap-3.3.4-dist

FRAMEWORKS

- Skeleton-2.0.4

- _includes
- _layouts
- _plugins
- _posts
- _sass
  - _base.scss
  - _layout.scss
  - _syntax-highlighting.scss
- _site
  - 2011
  - 2012
  - 2013
  - 2014
  - 2015
  - colophon
  - css
  - images
  - js
  - page
  - search
  - subscribe
  - apple-touch-icon-precomposed.png
  - apple-touch-icon.png
  - favicon.png
  - index.html
- colophon
- css

SASS

Output style:

Nested

Debug info:

None

Other options:

- [ ] Create a source map
- [ ] Use the libsass compiler

After compiling:

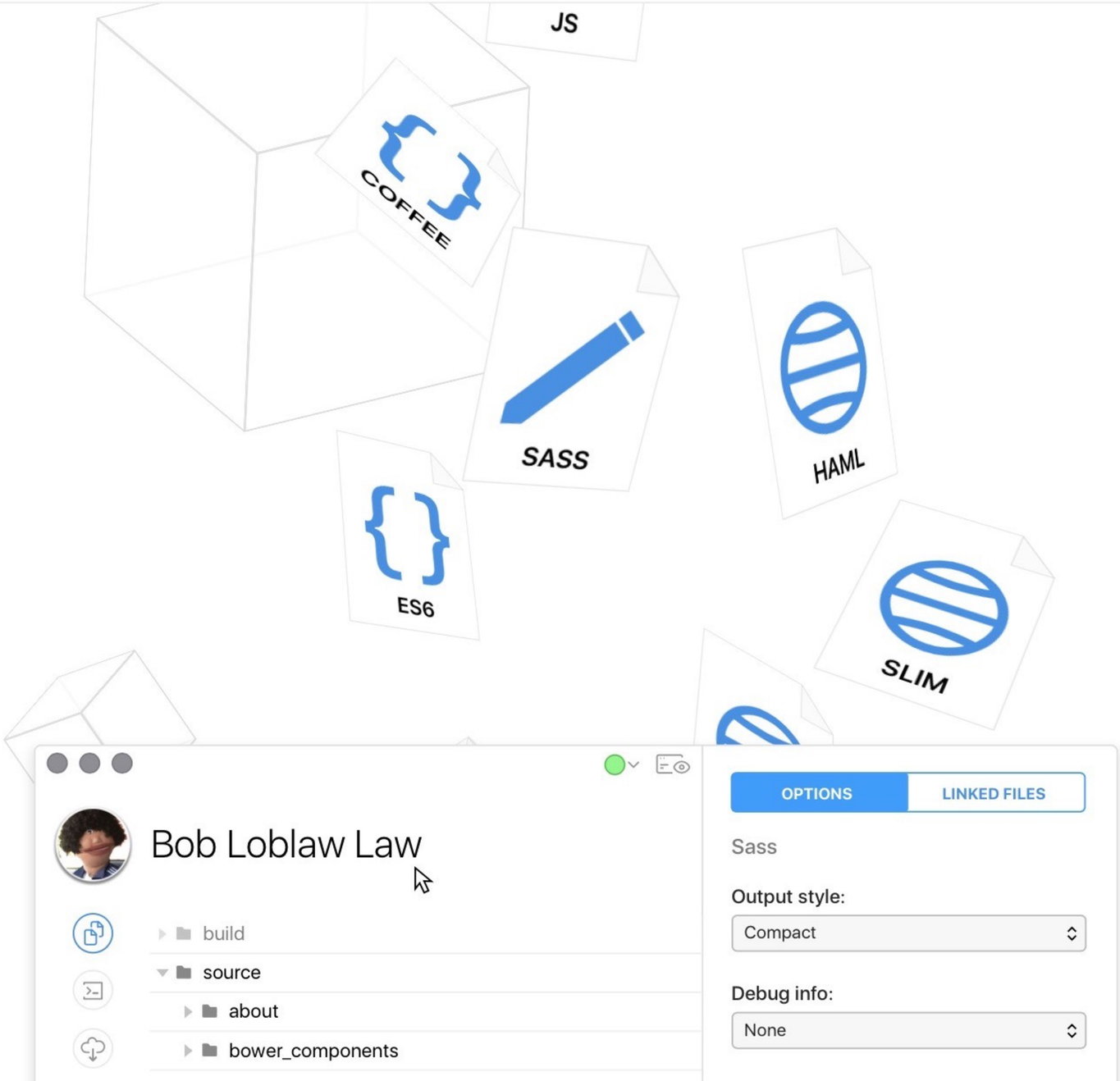
- [ ] Run Bless on the CSS file
- [ ] Run Autoprefixer on the CSS file

OUTPUT

- [ ] This file generates an output file

No direct output

Compile



Compile Every Language

CodeKit automatically compiles all those awesome languages you read about in tutorials.

All The Cool Kids

Compile Sass, Less, Stylus, CSS, CoffeeScript, Pug, Slim, Haml, TypeScript, JavaScript, ES6, Markdown, JSON, SVG, PNG, GIF and JPEG right out of the box.

Dead-Simple Configuration

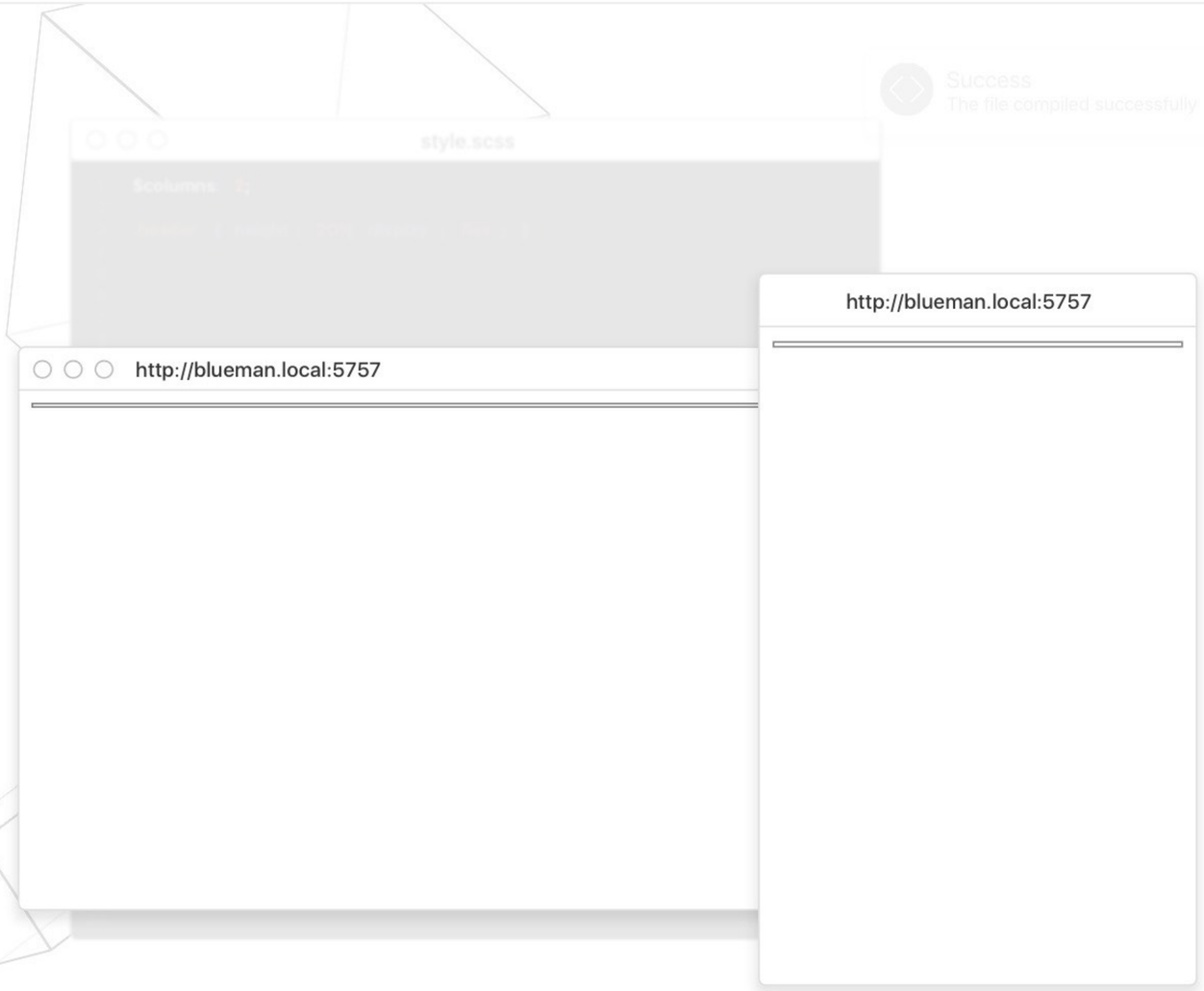
Want compressed CSS? Just check a box. Need to transpile JavaScript? Check a box. Every tool's options are available in a beautiful, clean UI. No more hacking build scripts.

Bleeding-Edge Tools

Autoprefixer for vendor prefixes. Babel.js for next-generation JavaScript. Libsass for faster Sass compiling. The best workflows are built right in.

Add Any Language

Use something that's not built-in? Easily tell CodeKit how to process files of *any* type, right in the UI. No



Refresh Browsers

CodeKit automatically refreshes browsers as you work. Like magic.

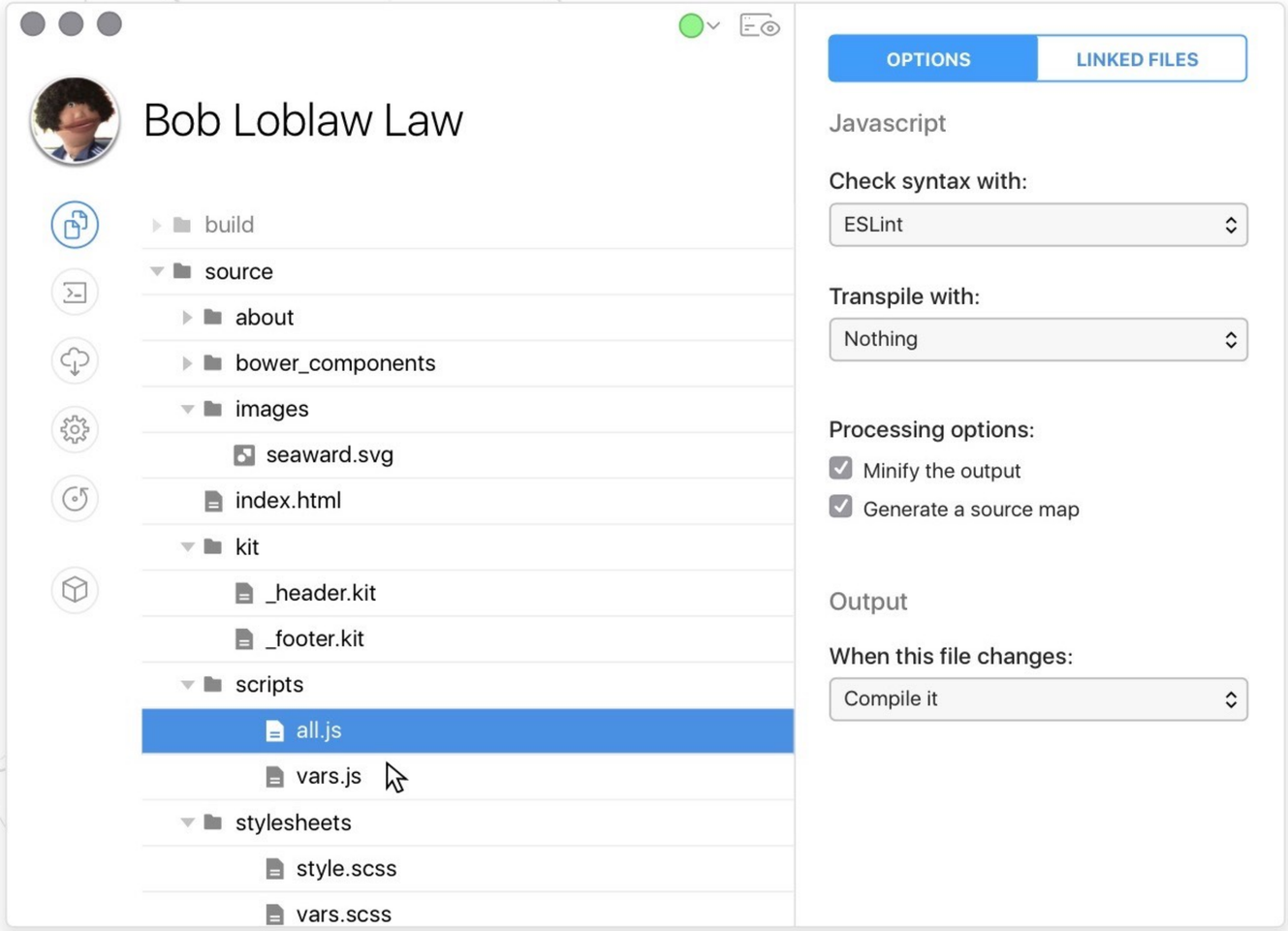
Any Device
Mac, iOS, Android, Windows, Tesla, kitchen fridge... if it's got a modern browser, it refreshes. All major browser vendors are supported, even over SSL.

Zero Setup
No plugins, no script tags, no work. Just click the Preview button in CodeKit and you're done. You don't even need certificates for SSL. Really.

Browser Sync
Type some text in a form and it magically appears on all your other devices, too. Click a link, it's clicked on every device. Fast cross-device testing.

Learn more

Injection Reloads
CSS changes are injected without reloading the



Optimize

Ain't nobody got time for slow, bloated websites. CodeKit makes them faster.

Optimize Images

Losslessly optimize SVGs, PNGs, JPGs and GIFs with the best algorithms available. No setup needed; it's all baked in.

Learn more

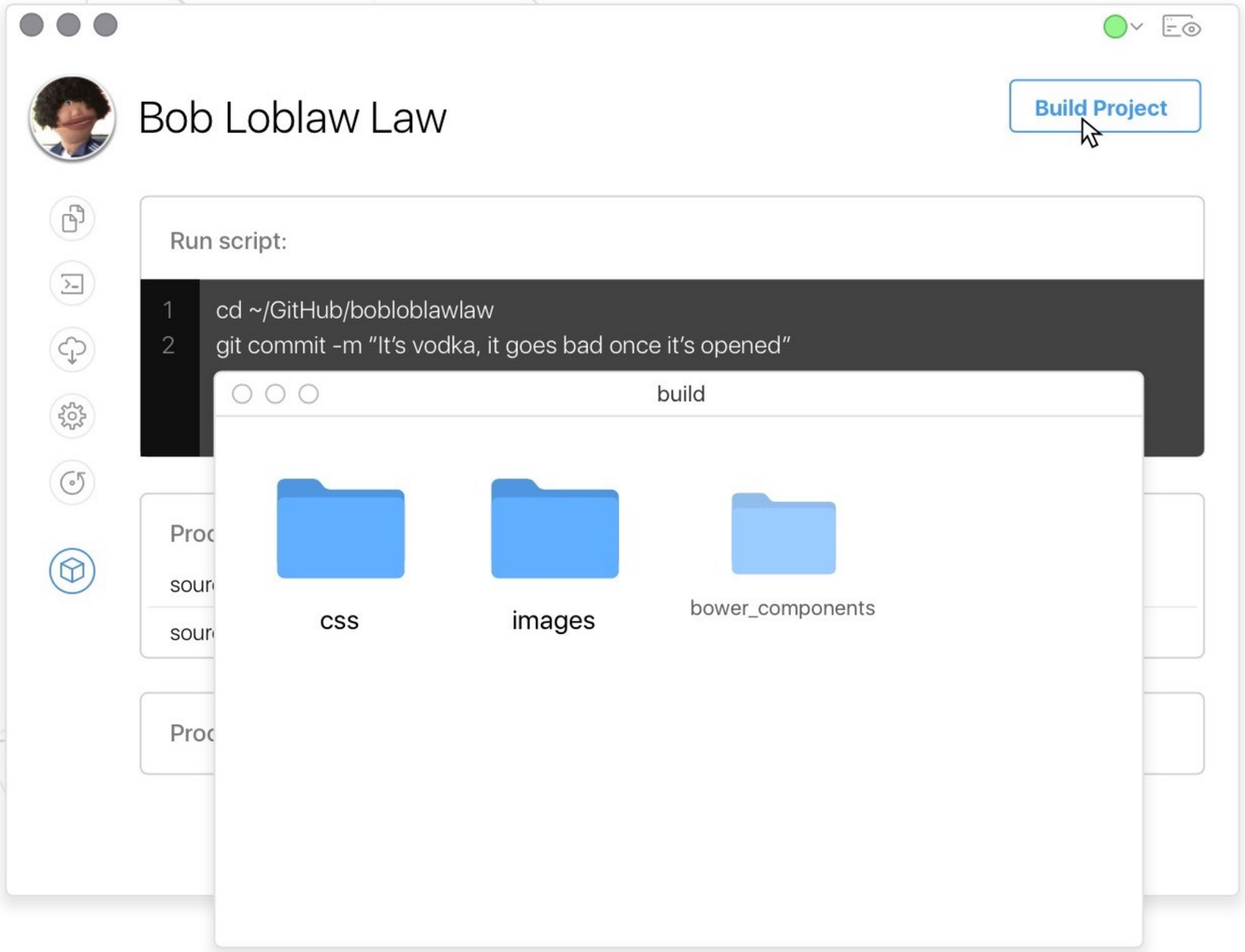
Minify Scripts & CSS

Combine scripts to reduce HTTP requests. Minify your code to reduce file sizes. All the best practices with full control over the details.

Learn more

Source Maps

Minify your code, but see the original version in the browser's inspector. Works automatically with most languages and *without* headaches.



Build

Build your entire project with one click. Fine-tune the process in an intuitive, beautiful UI.

Easy Migration

Check *one box* and existing projects just work. No updating hundreds of output paths, no changing URLs on pages. It's magic.

Simple Configuration

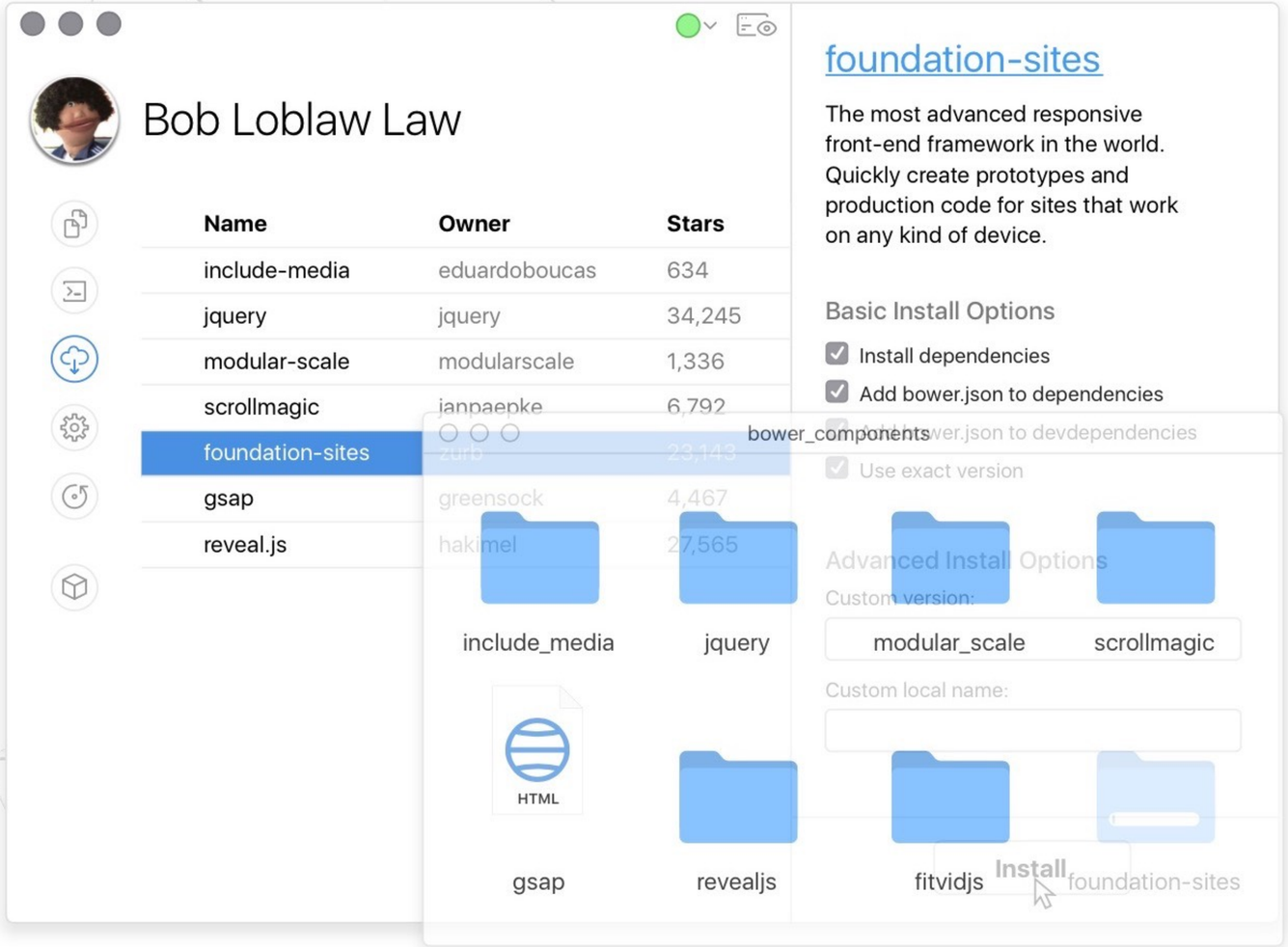
Easily customize your build process. Add steps with one click. Drag them to reorder. Setting this stuff up shouldn't require trips to Stack Overflow.

Blazing Speed

Your Mac's processor has lots of cores. CodeKit uses all of them to process files in parallel so that builds finish fast.

Completely Extendable

Do literally *anything*. Run a custom shell script and see its output in the UI. Or use AppleScript to tell Transmit to upload your site when the build is done.



Get Started Fast

You know how frameworks have those complex "getting started" steps? How about we just do a single click instead?

Bower Power

Bower is built into CodeKit so you can install and update 56,000+ components with ease. jQuery to WordPress and everything in between.

Learn more

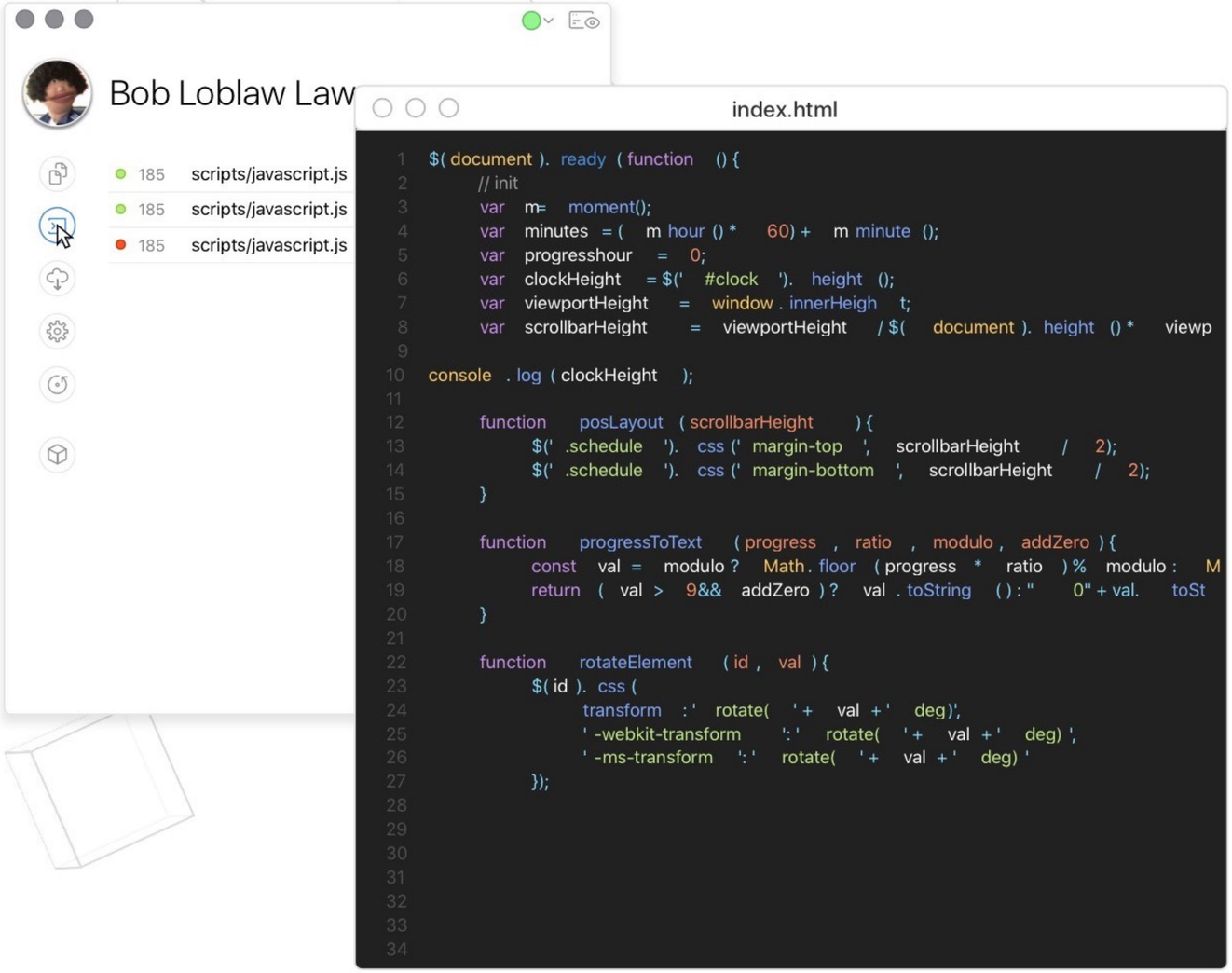
Zurb Foundation

Spin up a Foundation or a Google Web Starter Kit project in seconds. CodeKit downloads the latest version and sets it up for you, automatically.

Learn more

CSS Frameworks Galore

All the best CSS frameworks are built-in: Bourbon, Neat, Bitters, Susy, Nib, Jeet, and Compass. Just add an @import statement to your stylesheet and CodeKit makes it work.



Debug

Missing that one freaking comma somewhere? Find the problem fast with built-in debugging tools.

ESLint

Scan JavaScript with the mother of all syntax-checkers. Easily customize hundreds of rules with examples and explanations right in the UI.

Learn More

JSHint & JSLint

Not ready to move to ESLint? No problem. JSHint and JSLint are built-in, too. See the exact line and column number of every issue.

CoffeeLint

Scan CoffeeScript files for issues, too! Configure options in a slick UI and enforce best practices, just like you do for JavaScript.

Enforce Coding Styles

Got that one guy who uses tabs instead of spaces? Make him fall in line and easily set up rules to keep

Prepros

Cross-platform CodeKit, but not as full-featured

prepros.io

$29

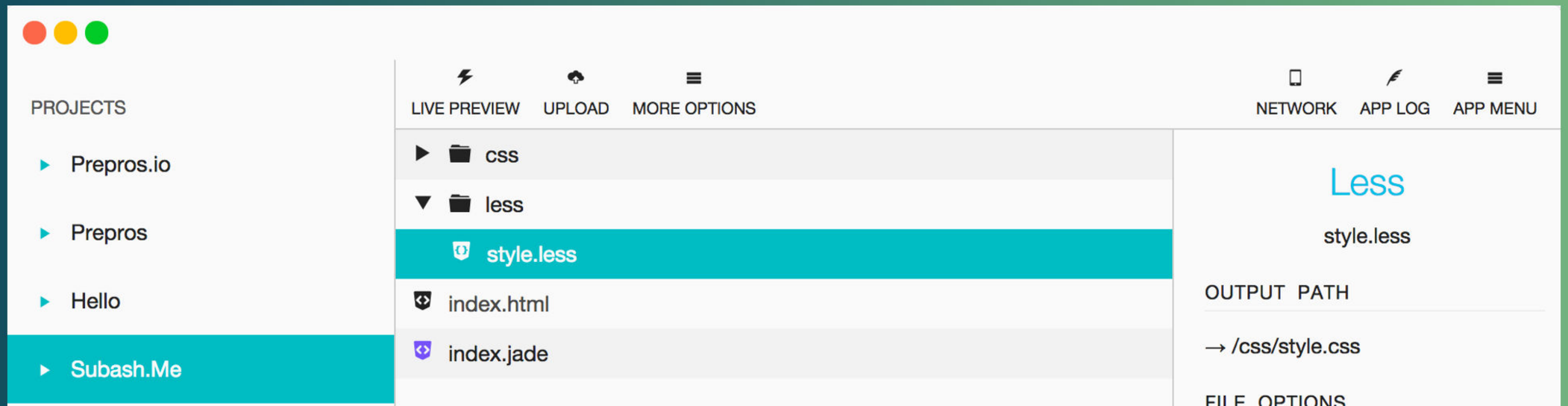
Download Docs Forum FAQ Change Log Contact

BUY PREPROS | $29

Prepros is a tool to compile LESS, Sass, Compass, Stylus, Jade and much more with automatic CSS prefixing, It comes with built in server for cross browser testing. It runs on Windows, Mac OS X and Linux.

Download Trial

Buy Prepros | $29



Version Control

Version control tracks changes to source code

Traditionally done via a centralized client-server model (e.g., CVS, Subversion)

Distributed version control takes a peer-to-peer approach (e.g., BitKeeper, Mercurial, Git)

Git

Designed & developed in 2006 (in 2 months!) by Linus Torvalds to manage the Linux kernel & now most widely-used in the world

git-scm.com

$0 & open source

UNIX

```
git clone --recursive https://github.com/
getkirby/starterkit.git
```

Download, or clone, a project repository from a remote server so that I now have a complete copy

```
git add foobar.js bazquz.css
```

Add the files to the list of files you want to *commit* (add changed files to the history of your repository)

```
git commit -m "Updated to support the new widget"
```

Add the changed files to your repo's history along with a brief description of the changes

```
git status
```

See what changes exist between your copy & the remote repo

```
git diff foobar.js
```

See changes between your local copy of a file & the remote repo

```
git pull
```

Copy any changes from the remote repo to your local copy

```
git push
```

Copy any changes from your local copy to the remote repo (someone has to approve those before they're actually added)

GitHub

Most popular web-based Git repository hosting service

www.github.com

$0

Pricing

GitHub is free to use for public and open source projects.
Work together in private with any of our paid plans.

Join GitHub for free

Personal

Work on your own projects or invite collaborators to join you in private repositories.

Starting at

$7/month

Upgrade your account

Organization

Work with your team on GitHub.com and manage users with different permission levels.

Starting at

$25/month

Create an organization

Enterprise

Host your team's code on your own servers or in a private cloud with your existing security controls.

Starting at

$2,500/year

Start an Enterprise trial

Tower

Git client

www.git-tower.com

$59

CarParts Website – Working Copy (master – 5 Changed Files)

Open | Fetch | Pull | Push | Apply Stash | Save Stash | Merge | Rebase | Git-Flow | Refresh | Search

Repositories > CarParts Website (master) | Clone

Workspace
- Working Copy 5
- History
- Stashes
- Settings

Branches
- master HEAD ↗2

Tags

Remotes
- origin
  - master

Submodules

Remote Activity

Fetching origin

= [up to date] master…

master > origin/master

Commit Subject

Stage All | Commit

Status	Filename
☑ M	about.html
☐ D	error.html
☐ ?	img/icon.png
☐ M	index.html
☑ A	product.html

index.html — Staged | Unstaged

2 chunks, 3 insertions, 2 deletions

@@ -12,9 +12,10 @@ — Discard Lines | Stage Lines

```
12  12    <div id="contentWrapper">
13  13      <div id="navigation">
14  14        <ul>
15  15          <li><a href="index.html">Home</a></li>
-16           <li><a href="about.html">About</a></li>
     +16      <li><a href="about.html">About Us</a></li>
     +17      <li><a href="product.html">Product</a></li>
17  18          <li><a href="imprint.html">Imprint</a></li>
18  19        </ul>
19  20      </div>
20  21
```

@@ -26,9 +27,9 @@ — Discard Chunk | Stage Chunk

```
26  27                <p class="learnParagraph">
27  28                    <a href="learn">Visit our "learn" section.</a>
28  29                </p>
29  30                <p class="blogParagraph">
-30                   <a href="blog">Read our blog.</a>
     +31              <a href="blog">Read our new blog.</a>
31  32                </p>
32  33                <p class="twitterParagraph">
33  34                    <a href="http://www.twitter.com/gittower">Follow us.</a>
34  35                </p>
```

SourceTree

Free & a lot more powerful than Tower, but more complicated too

www.sourcetreeapp.com

$0

Atlassian

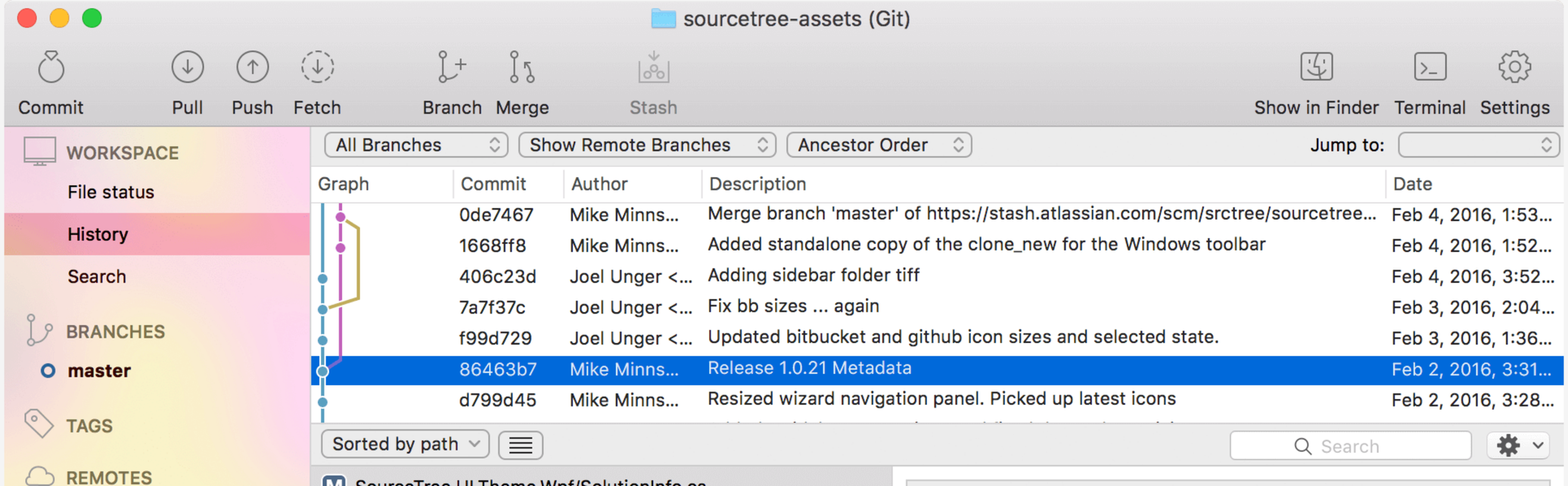
SourceTree

A free Git & Mercurial client for Windows or Mac.

Download SourceTree Free

Mac OS X 10.10+

Download SourceTree for Windows 7+



csoats (Git)

Commit | Pull | Push | Fetch | Branch | Merge | Stash | Show in Finder | Terminal | Settings

WORKSPACE
File status
History
Search

BRANCHES
master

TAGS

REMOTES
origin

STASHES

SUBMODULES

SUBTREES

All Branches | Show Remote Branches | Ancestor Order | Jump to:

Graph	Description	Commit	Author	Date
	Uncommitted changes	*	*	Apr 23, 2016, 8:...
master	New post	a36ed12	Scott Granneman...	Apr 8, 2015, 11:41...
	Added blank lines around Google Fonts CSS	695d7d8	Scott Granneman...	Apr 4, 2015, 8:31...
	Links to Bigfoot CSS & JS	0c90be5	Scott Granneman...	Apr 1, 2015, 10:5...
	Bigfoot CSS & JS	afc7a3f	Scott Granneman...	Apr 1, 2015, 10:5...
	New post on dance moves	0cedbde	Scott Granneman...	Mar 29, 2015, 4:4...
	When deploying via rsync, exclude a few files	137fa77	Scott Granneman...	Mar 29, 2015, 4:4...
	Added plugins directory with sitemap.xml generator	1716b54	Scott Granneman...	Mar 29, 2015, 4:4...

Pe | Pending files, sorted by path | Search

Staged files

Unstaged files

- _config.yml
- config.codekit
- _plugins/sitemap_generator.rb
- ...ftware-causes-more-problems-than-its-worth.markdown
- ...g-webmail-services-to-work-with-mailto-links.markdown
- ...e-interesting-notes-on-the-hamburger-menu.markdown
- ...age-of-3rd-edition-of-encyclopedia-brittanica.markdown

_config.yml

Hunk 1 : Lines 7-13 | Stage hunk | Discard hunk

```
7  7   url: "http://chainsawonatireswing.com" # the base hostname & protocol for your site
8  8   twitter_username: scottgranneman
9  9   #github_username:  jekyll
10     - gems:
11     -   - octopress-image-tag
   10  + gems: [jekyll-paginate, octopress-image-tag]
12 11   paginate: 20
13 12   paginate_path: "/page/:num/"
14 13   #paginate_path: "/blog/page/:num/"
```

granne-bin (Git)

Commit | Pull (9) | Push | Fetch | Branch | Merge | Stash | Show in Finder | Terminal | Settings

WORKSPACE
- File status
- History
- Search

BRANCHES
- master

TAGS

REMOTES
- origin

STASHES
- On master: Add...
- On master: Tow...

SUBMODULES

SUBTREES

All Branches | Show Remote Branches | Ancestor Order | Jump to:

Graph	Description	Commit	Author	Date
	Added marks, a set of functions to jump to aliases	e4728ff	Scott Granneman...	Jul 20, 2014, 11:2...
	Merge branch 'master' of github.com:rsgranne/granne-bin	fd3838d	Scott Granneman...	Jul 20, 2014, 6:5...
	Fixed link to Feedbin	79101c5	Scott Granneman...	May 16, 2014, 5:1...
	Automatic changes	c4ece8d	Scott Granneman...	Jul 20, 2014, 6:5...
	Changed CSS to support Source Sans Pro	453bdfd	Scott Granneman...	Jul 20, 2014, 6:5...
	Added new quotes	12833b6	Scott Granneman...	Jul 20, 2014, 6:5...
	Added missing Slogger file that wasn't in git	646f2cf	Scott Granneman...	Apr 23, 2014, 12:...
	Merge branch 'master' of github.com:rsgranne/granne-bin	6de6cb3	Scott Granneman...	Apr 23, 2014, 12:...
	New black-listed email address	690767a	Scott Granneman...	Apr 10, 2014, 4:2...
	Fixed sed file used by HTML to MD; added missing files	0277e5e	Scott Granneman...	Apr 23, 2014, 11:...
	Grab the stuff in /etc/paths.d & insert it into my PATH	98420fe	Scott Granneman...	Mar 26, 2014, 9:4...
	Added quote	5d41e82	Scott Granneman...	Mar 26, 2014, 9:4...

Pending files, sorted by path | Search

Staged files

Unstaged files
- A Better Finder Rename/jfif to jpg.app/Contents/Info.plist
- A Better Finder Rename/jfif to jpg.app/Contents/PkgInfo
- ...e/jfif to jpg.app/Contents/MacOS/A Better Finder Droplet
- ...der Rename/jfif to jpg.app/Contents/Resources/Icon.icns
- ...Rename/jfif to jpg.app/Contents/Resources/Settings.plist
- ...pg.app/Contents/Resources/English.lproj/InfoPlist.strings

A Better Finder Rename/jfif to jpg.app/Contents/Resources/Settings.plist

Deleted file | Stage hunk

```
- <?xml version="1.0" encoding="UTF-8"?>
- <!DOCTYPE plist PUBLIC "-//Apple//DTD PLIST 1.0//EN" "http://www.apple.com/DTDs/PropertyList-1.0.
- <plist version="1.0">
- <dict>
-     <key>Droplet Settings</key>
-     <dict>
-         <key>default location</key>
-         <string>/Applications/A Better Finder Rename 7.app</string>
-         <key>location key</key>
-         <string>net.publicspace.abfr7</string>
-         <key>temporary settings key</key>
-         <string>droplet settings</string>
-     </dict>
-     <key>Host Application Settings</key>
-     <dict>
```

Diffing

A *diff tool* calculates & displays the differences between two (or more) files

Tremendously useful!

Kaleidoscope

Diff & merge tool for text, images, & folders

www.kaleidoscopeapp.com

$70

Kaleidoscope

portfolio-bootstrap-9.htm | portfolio-bootstrap-10.htm

portfolio-bootstrap / portfolio-bootstrap-9.htm

```
dignissim. Duis et augue facilisis, varius orci eu, sagittis
velit. Pellentesque vulputate, orci eu euismod faucibus,
purus felis vestibulum orci, eu pellentesque lorem felis eget
quam.
      </p>

      <!-- Portfolio -->
      <h2>Portfolio</h2>

      <!-- Painting -->
      <h3>Paintings</h3>

      <div class="row">
        <div class="col-sm-6 col-md-4">
          <a href="#" class="thumbnail"><img src="images/
chambre-arles-th.jpg" alt="Painting 1"></a>
```

portfolio-bootstrap / portfolio-bootstrap-10.htm

```
dignissim. Duis et augue facilisis, varius orci eu, sagittis
velit. Pellentesque vulputate, orci eu euismod faucibus,
purus felis vestibulum orci, eu pellentesque lorem felis eget
quam.
      </p>

      <!-- Portfolio -->
      <h2>Portfolio</h2>

      <!-- Painting -->
      <h3>Paintings</h3>

      <div class="row">
        <div class="col-sm-6 col-md-4">
          <a href="#" class="thumbnail" data-toggle="modal"
data-target="#painting1"><img src="images/chambre-arles-
th.jpg" alt="Painting 1"></a>
          <div class="modal fade" id="painting1"
tabindex="-1" role="dialog" aria-labelledby="basicModal"
aria-hidden="true">
            <div class="modal-dialog">
              <div class="modal-content">
                <div class="modal-header">
                  <button type="button" class="close" data-
dismiss="modal" aria-hidden="true">&times;</button>
                  <h4 class="modal-title"
id="myModalLabel">Van Gogh's Bedroom in Arles</h4>
```

Blocks | Fluid | Unifie

Ignore whitespace

Change 1 of 2

DeltaWalker

Diffs text files, folders, Office documents, & images

www.deltopia.com/compare-merge-sync/

$30

5-nav-styles.html and 12-lead-paragraph copy.html

/Users/rsgranne/Desktop/CAIT/bootstrap-102/5-nav-styles.html

```
6     <meta name="viewport" content="width=device-width, init
7     <title>Bootstrap 101</title>
8     <link href="css/bootstrap.css" rel="stylesheet">
9     <link href="css/site.css" rel="stylesheet">
10    <script src="js/jquery.min.js"></script>
11    <script src="js/bootstrap.min.js"></script>
12  </head>
13  <body>
14
15    <nav class="container navbar navbar-default">
16  <!-- Brand Navigation (Logo links to home page) -->
17      <div class="navbar-header">
18        <a class="navbar-brand" href="#" title="Home">Color
19      </div>
20  <!-- Core Navigation -->
21      <div class="collapse navbar-collapse">
22        <ul class="nav navbar-nav">
23          <li class="dropdown">
24            <a href="#" class="dropdown-toggle">Primary</a>
25            <ul class="dropdown-menu">
26              <li><a href="#">Red</a></li>
27              <li><a href="#">Yellow</a></li>
28              <li><a href="#">Blue</a></li>
29            </ul>
30          </li>
31          <li class="dropdown">
32            <a href="#" class="dropdown-toggle">Secondary</
33            <ul class="dropdown-menu">
```

/Users/rsgranne/Desktop/CAIT/bootstrap-102/12-lead-paragraph copy.ht

```
11    <script src="js/bootstrap.min.js"></script>
12  </head>
13  <body>
14
15    <nav class="container navbar navbar-default">
16      <div class="navbar-header">
17        <button type="button" class="navbar-toggle" data-to
18          <span class="sr-only">Toggle navigation</span>
19          <span class="icon-bar"></span>
20          <span class="icon-bar"></span>
21          <span class="icon-bar"></span>
22        </button>
23        <a class="navbar-brand" href="#" title="Home">Color
24      </div>
25      <div class="collapse navbar-collapse" id="site-nav">
26        <ul class="nav navbar-nav">
27          <li class="dropdown">
28            <a href="#" class="dropdown-toggle" data-toggle
29            <ul class="dropdown-menu">
30              <li><a href="#">Red</a></li>
31              <li><a href="#">Yellow</a></li>
32              <li><a href="#">Blue</a></li>
33            </ul>
34          </li>
35          <li class="dropdown">
36            <a href="#" class="dropdown-toggle" data-toggle
37            <ul class="dropdown-menu">
38              <li><a href="#">Orange</a></li>
39              <li><a href="#">Green</a></li>
```

Text | Design

Getting Help

Websites

HTML element reference

see all contributors

SEE ALSO

HTML

Tutorials:

- Introductory
- Intermediate
- Advanced

References:

- HTML elements
  - HTML element reference
  - <a>
  - <abbr>
  - <acronym>
  - <address>
  - <applet>
  - <area>
  - <article>
  - <aside>

IN THIS ARTICLE

This page lists all the HTML elements. They are grouped by function to help you find what you have in mind easily. Although this guide is written for those who are newer to coding, we intend it to be useful for anyone.

Basic elements

Basic elements are the backbone of any HTML document. You'll see these elements in the source code for all web pages, following the doctype declaration, which is on the first line of the page. The doctype specifies which version of (X)HTML that page is using. Elements comprising the contents of a Web page are placed between the opening `<html>` tag and the closing `</html>` tag. The `<html>` element is also known as the root element.

Element	Description
`<html>`	The **HTML `<html>` element** (or *HTML root element*) represents the root of an HTML document. All other elements must be descendants of this element.

CSS reference

see all contributors

This *CSS Reference* shows the basic syntax of a CSS rule; lists all standard CSS properties, pseudo-classes and pseudo-elements, @-rules, units, and selectors, all together in alphabetical order, as well as just the selectors by type; and allows you to quickly access detailed information for each of them. It not only lists the CSS 1 and CSS 2.1 properties, but also is a CSS3 reference that links to any CSS3 property and concept standardized, or already stabilized. Also included is a brief DOM-CSS / CSSOM reference.

Note that CSS rule-definitions are entirely (ASCII) text-based, whereas DOM-CSS / CSSOM, the rule-management system, is object-based.

See also Mozilla CSS Extensions for Gecko-specific properties prefixed with `-moz`; and WebKit CSS Extensions for WebKit-specific properties. See Vendor-prefixed CSS Property Overview by Peter Beverloo for all prefixed properties.

IN THIS ARTICLE

Basic rule syntax
Keyword index
Selectors
CSS3 Tutorials
Concepts
DOM-CSS / CSSOM

Basic rule syntax

Be warned that any syntax error in a rule-definition will invalidate the entire rule.

Style rules

```
selectorlist { property: value; [more property:value; pairs] }
```

JavaScript

JavaScript® (often shortened to **JS**) is a lightweight, interpreted, object-oriented language with first-class functions, most known as the scripting language for Web pages, but used in many non-browser environments as well such as node.js or Apache CouchDB. It is a prototype-based, multi-paradigm scripting language that is dynamic, and supports object-oriented, imperative, and functional programming styles.

A re-introduction to JavaScript
An overview for those who *think* they know about JavaScript

The JavaScript standard is ECMAScript. As of 2012, all modern browsers fully support ECMAScript 5.1. Older browsers support at least ECMAScript 3. A 6th major revision of the standard is in the works. The current progress of different new and improved features can be followed on the dedicated wiki.

This section of the site is dedicated to the JavaScript language itself, the parts that are not specific to Web pages, or other host environments. For information about APIs specific to Web pages, please see Document Object Model (DOM). Read more about how the DOM and JavaScript fit together in the DOM Reference.

JavaScript is not to be confused with the Java programming language.

Documentation

JavaScript Guide
If you are new to JavaScript, you should read this guide.

Tools & advanced resources

- Firefox Developer Tools - The excellent built-in tools for Firefox.
- Koding - an online development platform that makes it easy to start coding

Apps

Dash

Offline API documentation browser & code snippet manager

kapeli.com/dash

$20

Search

DOCUMENTATION
- HTML
  - Tags 134
- CSS
  - Classes 85
  - Elements 11
  - Functions 57
  - Properties 374
  - Types 19
- Markdown
- Man Pages
- Bootstrap 3
- Less
- Python 3
- Python 2
- PHP
- WordPress
- MySQL
- jQuery
- Bourbon
- LaTeX
- Git
- Regular Expressions
- HTML Entities
- Atom
- Sublime Text 3
- Vim
- HTTP Status Codes
- Font Awesome

<aside>

IN THIS ARTICLE +

The *HTML* `<aside>` *Element* represents a section of a page that consists of content that is tangentially related to the content around it, which could be considered separate from that content. Such sections are often represented as sidebars or as inserts. They often contain side explanations, like a glossary definition; more loosely related stuff, like advertisements; the biography of the author; or in web-applications, profile information or related blog links.

Usage notes:

- *Do not use the* `<aside>` *element to tag parenthesized text, as this kind of text is considered part of the main flow.*

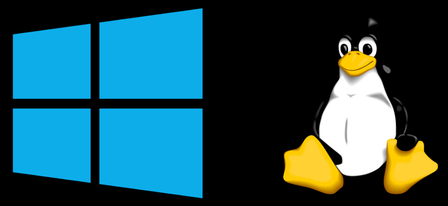
Content categories:	Flow content, sectioning content, palpable content.
Permitted content:	Flow content.
Tag omission:	None, both the starting and ending tag are mandatory.
Permitted parent elements:	Any element that accepts flow content. Note that an `<aside>` element must not be a descendant of an `<address>` element.
DOM interface:	`HTMLElement`

Zeal

Copy of Dash without code snippets

zealdocs.org

$0



- Django
- Qt5
  - functions
  - modules
    - Active Qt
    - Qt Concurrent
    - Qt Core
    - Qt D-Bus
    - Qt Declarative
    - Qt Designer
    - Qt GUI
    - Qt Graphical Effects
    - Qt Help
    - Qt Image Formats
    - Qt Multimedia
    - Qt Network
    - Qt OpenGL
    - Qt Print Support
    - Qt QML
    - Qt Quick
    - Qt SQL
    - Qt SVG
    - Qt Script
    - Qt Script Tools
    - Qt Test
    - Qt UI Tools
    - Qt WebKit
    - Qt WebKit Widgets
    - Qt Widgets
    - Qt XML
    - Qt XML Patterns
- jQuery
- python-2.7.3-docs-html

Qt GUI

The Qt GUI module provides classes for windowing system integration, event handling, OpenGL and OpenGL ES integration, 2D graphics, basic imaging, fonts and text. These classes are used internally by Qt's user interface technologies and can also be used directly, for instance to write applications using low-level OpenGL ES graphics APIs.

For application developers writing user interfaces, Qt provides higher level API's, like Qt Quick, that are much more suitable than the enablers found in the Qt GUI module.

Contents

- Getting started
- Application Windows
- 2D Graphics
- OpenGL and OpenGL ES integration
- Qt GUI prior to Qt 5.0
- Drag and Drop
- Reference

Getting started

To include the definitions of the module's classes, use the following directive:

```
#include <QtGui>
```

Application Windows

The most important classes in the Qt GUI module are QGuiApplication and QWindow. A Qt application that wants to show content on screen, will need to make use of these. QGuiApplication contains the main event loop, where all events from the window system and other sources are processed and dispatched. It also handles the application's initialization and finalization.

The QWindow class represents a window in the underlying windowing system. It provides a number of virtual functions to handle events (QEvent) from the windowing system, such as touch-input, exposure, focus, key strokes

Tags what is this?

2d 3d graphics gui qt gui qt_5_0

Ratings what is this?

3 Log in to rate thi

Se

Select version

Qt 5.0

API Lookup

- Class index
- Function index
- Modules
- C++ Classes by Module
- QML APIs by Module
- All Qt references

Getting Started

- Getting Started with Qt

Browser Support

Can I use _____ ? Settings

CSS

- ::placeholder CSS pseudo-element
- ::selection CSS pseudo-element
- :placeholder-shown CSS pseudo-class
- @font-face Web fonts
- Blending of HTML/SVG elements
- calc() as CSS unit value
- 2.1 selectors
- background-attachment
- background-blend-mode
- background-position edge offsets
- box-decoration-break
- clip-path property
- Counter Styles
- Counters
- currentColor value
- Device Adaptation
- Exclusions Level 1
- Feature Queries
- Filter Effects

HTML5

- Audio element
- Audio Tracks
- Autofocus attribute
- Canvas (basic support)
- Canvas blend modes
- classList (DOMTokenList)
- Color input type
- contenteditable attribute (basic support)
- Custom Elements
- Custom protocol handling
- Datalist element
- dataset & data-* attributes
- Date and time input types
- Details & Summary elements
- Dialog element
- disabled attribute of the fieldset element
- Download attribute
- Drag and Drop
- Email, telephone & URL input types

SVG

- Inline SVG in HTML5
- SVG (basic support)
- SVG effects for HTML
- SVG favicons
- SVG filters
- SVG fonts
- SVG fragment identifiers
- SVG in CSS backgrounds
- SVG in HTML img element
- SVG SMIL animation
- **All SVG features**

JS API

- Ambient Light API
- Base64 encoding and decoding
- Battery Status API
- Blob constructing
- Blob URLs

Platform status

What we've built and our roadmap

View on GitHub

Sort features by

Feature name

Filter features

Search name or description text

Enter text to search...

Categories

All

269 features found

Accessible Name and Description: Co...	In Development
Accessible Rich Internet Applications (...	In Development
a[download] attribute	Supported
Ambient Light Events	Preview
Application Cache	Supported

Next

Introduction

This document details every HTML element and property supported by WebKit and Safari on all platforms, which include Mac OS X, iOS, and Windows. You should read this if you are developing web content that will be displayed in Safari or within a WebKit-based application.

This document is not intended as a comprehensive specification. The HTML5 specification is available at http://dev.w3.org/html5/spec/Overview.html.

Organization of This Document

The following articles describe key aspects of Safari HTML support:

- Explanation of Terms explains terminology used in this reference.
- Supported HTML describes all the HTML elements supported by Safari. This includes standard elements (as defined by the World Wide Web Consortium, or W3C), common elements that are not part of a standard, and Apple extensions.
- Supported Attributes describes the HTML attributes supported by Safari.
- Supported Input Values describes supported types for the `input` element.
- Supported Meta Tags describes additional keys for the `meta` element.
- Supported Accessibility Roles describes supported accessibility roles defined in the WAI-ARIA specification.

See Also

You'll find a variety of other resources for Safari web content developers in the Safari Developer Library.

If you are creating web content for Safari platforms, then you should read:

- *Safari Web Content Guide*, which describes how to create content that is compatible with, optimized for, and customized for Safari on any platform.

Feedback

Previous Next

Supported CSS Properties

Safari and WebKit implement a large subset of the CSS 2.1 Specification defined by the World Wide Web Consortium (W3C), along with portions of the CSS 3 Specification. This reference describes the supported properties and provides Safari availability information. If a property is not listed here, it is not implemented by Safari and WebKit.

The CSS attributes in this article are divided according to the groups defined by the W3C CSS Specification:

- Box Model describes properties specific to the bounding boxes of block elements, including borders, padding, and margins. Additional box-related properties specific to tables are described separately in Tables.
- Visual Formatting Model describes properties that set the position and size of block elements.
- Visual Effects describes properties that adjust the visual presentation of block elements, including overflow behavior, resizing behavior, visibility, animation, transforms, and transitions.
- Generated Content, Automatic Numbering, and Lists describes properties that allow you to change the contents of an element, create automatically numbered sections and headings, and manipulate the style of list elements.
- Paged Media describes properties associated with controlling appearance attributes specific to printed versions of a webpage, such as page break behavior.
- Colors and Backgrounds describes properties that control the background of block-level elements and the color of text content within elements.
- Fonts describes properties specific to font selection for text within an element. It also describes properties used in downloadable font definitions.
- Text describes properties specific to text styles, spacing, and automatic scrolling (marquee).
- Tables describes layout and styling properties specific to table elements.
- User Interface describes properties that relate to user interface elements in the browser, such as scrolling text areas, scroll bars, and so on. It also describes properties that are outside the scope of the page content, such as cursor style and the callout shown when you touch and hold a touch target such as a link in iOS.

Box Model

Feedback

Web Platform Features (550)

Filter

No active development
Proposed
In development

52 canary
51 dev/beta
50 stable
49
48
47
46
45
44
43
42
41
40
39

IN DEVELOPMENT

-webkit-appearance:none for METER and PROGRESS elements

Misc

Web authors had no ways to completely disable UA rendering of METER and PROGRESS elements, and were un…

Ambient Light Events

Device

This API is a handy way to make a web page or web app aware of any change in light intensity.

Animated PNG

Graphics

Support for animated PNG images

Antialiased Clipping in Canvas

Graphics

The Canvas spec seems intentionally vague about the antialiasing of clips but: a) performing antialiased draws …

BroadcastChannel

Realtime / Communication

Except as otherwise noted, the content of this page is licensed under a Creative Commons Attribution 2.5 license, and examples are licensed under the BSD License.

Firefox Platform Status

Implementation & standardization roadmap for web platform features

mozilla

Search features

Feature or Keyword

asm.js

LANDED 22

Docs Specification caniuse 58%

Complete

Strict & highly optimizable subset of JavaScript that can be used as low-level compile target.

Background Sync API

DEVELOPING

Specification

0/2 Resolved

Provides one-off and periodic synchronization for Service Workers with an `onsync` event.

Canvas Media Capture

LANDED 43

Docs Specification

Complete

Allows real-time video capture of the surface of the canvas.

CSS Shapes

CONSIDERING

Docs Specification caniuse 57%

1/5 Resolved

Wrap document content around non-rectangular shapes, or constrain content to a holding shape.

SEO

Scrutiny

Check links, find problems, create a sitemap, check spelling & grammar, & more

peacockmedia.software/mac/scrutiny/

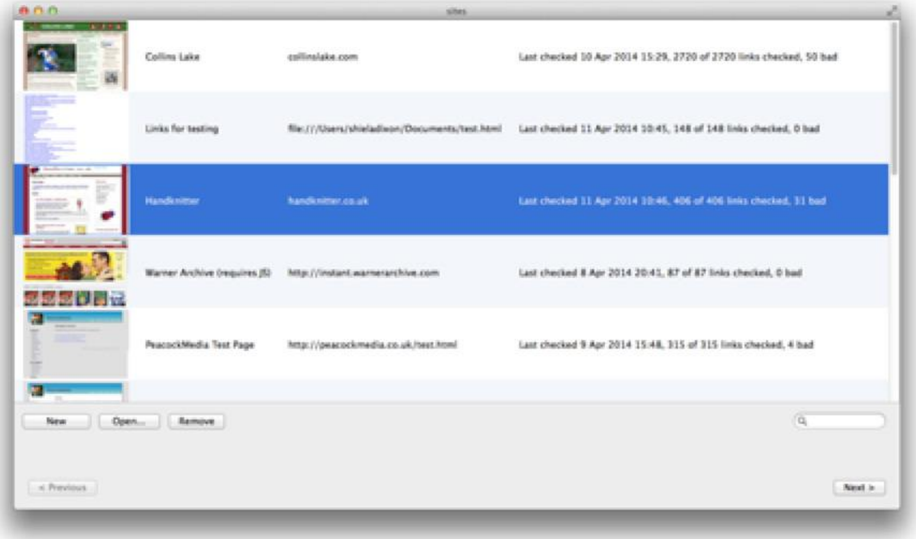
$95

PeacockMedia

Scrutiny 6

Full specification | Testimonials | System Requirements | Support

Scrutinize your website. With all the benefits of a desktop app.



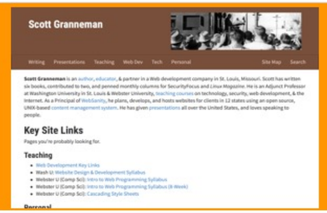
Download

v6.8.15

WATCH VIDEO

Link checking

All the features of Integrity and Integrity Plus. The same fast, efficient, accurate engine. With more power and options - authenticate (scan sites that require logging in) test links within pdf documents, render js before parsing.

image	name	starting url	last checked	schedule
	Granneman	http://www.granneman.com		

New Open... Remove

Search

< Previous

Next >

Granneman http://www.granneman.com

Blacklist and whitelist rules

+ -

Apply to content as well as url ☐

Limit crawl based on robots.txt ☐

Threads and delays

Timeout interval: 30 sec Delay: 0.00 sec

Threads:

Fewer More

Scanning options

- ☑ Check the links on this page only
- ☑ Check for broken images
- ☑ Check linked js and css files
- ☐ Ignore querystrings
- ☐ Don't follow 'nofollow' links
- ☐ Consider subdomains of the root domain internal (ie www.foo.com = foo.com)
- ☐ Check links on error pages (eg custom 404)
- ☐ Check form actions
- ☐ Ignore external links
- ☐ Highlight missing link url (href = "#" or "")
- ☑ Ignore trailing slash (foo.com = foo.com/)
- ☐ Archive pages while crawling Options

☐ Check spelling ☐ Grammar too Language: English

☐ Keyword analysis while scanning

☐ Check links within PDF documents

these options may have a serious impact on the scan time / resources. Only use if necessary

Advanced Schedule

< Previous Next >

Granneman http://www.granneman.com

Sites Settings

What do you want to do? New scan

Links

Check for broken links, search or browse by page or by link Go

Sitemap

View your pages, generate an xml sitemap, html sitemap or graphic visualisation Go

SEO

Check SEO parameters (title, description, headings, link and word count. Keyword analysis) Go

Spellling and grammar

Check spelling and grammar of page content Go

Monitoring

Set up monitoring of particular urls with parameters Available without scanning Go

Page analysis

Test the load speed of each element of a page. Find slow-loading elements and other problems Available without scanning Go

Scan with actions

Scan the site and when finished take the action(s) set under Schedule in Settings Actions Go

Search pages

Scan the site and list pages containing particular text Go

Orphaned pages

Compare pages on server (ftp or ftps) with those acquired during a scan and report possible orphans (static sites only) Go

Robotize

Browse this site through a robot's eyes Go

< Previous Next >

Pages found: 1

Links checked: 93 of 93

Bad links found: 1

Export...

Filter: All

Bad links only

Search

By link | By page | By status | Flat view

Columns

Status	URL	Appears on	Link text
200 no error	http://www.granneman.com	2 occurrences over more than one page	
200 no error	https://www.granneman.com/concrete/css/ccm.base.css	http://www.granneman.com	
200 no error	https://www.granneman.com/concrete/js/jquery.js	http://www.granneman.com	
200 no error	https://www.granneman.com/concrete/js/ccm.base.js	http://www.granneman.com	
200 no error	http://www.granneman.com/packages/ws_nav_menu...	http://www.granneman.com	
200 no error	http://www.granneman.com/packages/random_imag...	http://www.granneman.com	
200 no error	http://www.granneman.com/themes/bootstrap/css/b...	http://www.granneman.com	
200 no error	http://www.granneman.com/themes/bootstrap/css/...	http://www.granneman.com	
200 no error	http://www.granneman.com/themes/bootstrap/css/c...	http://www.granneman.com	
200 no error	http://www.granneman.com/themes/bootstrap/js/bo...	http://www.granneman.com	
200 no error	http://www.granneman.com/themes/bootstrap/js/mo...	http://www.granneman.com	
200 no error	http://www.granneman.com/personal/photos/about-...	http://www.granneman.com	
200 no error	http://www.granneman.com/files/cache/5b4690c68...	http://www.granneman.com	
200 no error	http://www.granneman.com/writing	3 occurrences over more than one page	
200 no error	http://www.granneman.com/writing/books	http://www.granneman.com	
200 no error	http://www.granneman.com/writing/securityfocus	http://www.granneman.com	
200 no error	http://www.granneman.com/writing/linuxmagazine	http://www.granneman.com	
200 no error	http://www.granneman.com/writing/historical	http://www.granneman.com	
200 no error	http://www.granneman.com/writing/swingsmisses	http://www.granneman.com	
200 no error	http://www.granneman.com/writing/essays	http://www.granneman.com	
200 no error	http://www.granneman.com/presentations	2 occurrences over more than one page	
200 no error	http://www.granneman.com/presentations/interviews	http://www.granneman.com	
200 no error	http://www.granneman.com/presentations/laduechapel	http://www.granneman.com	
200 no error	http://www.granneman.com/presentations/exploring...	http://www.granneman.com	

< Previous

Next >

Pages found: 1

Links checked: 93 of 93

Bad links found: 1

Export...

Filter: All

Bad links only

Search

By link | By page | By status | Flat view

Redirects listed by: initial status

Status	URL	Redirected to	Appears on	Link Text
▶ 200 no error				
▶ 301 moved permanently				
▶ 404 not found				
▼ 302 found				
	http://www.websanity.com	https://websanity.com	http://www.granneman.com	WebSanity
	http://www.websanity.com	https://websanity.com	http://www.granneman.com	WebSanity

< Previous

Next >

Status	URL	Redirected to	Link text
200 no error	http://www.granneman.com		Scott Gra
200 no error	http://www.granneman.com		Home
200 no error	https://www.granneman.c...m/concrete/css/ccm.base.css		[linked i
200 no error	https://www.granneman.com/concrete/js/jquery.js		[linked i
200 no error	https://www.granneman.com/concrete/js/ccm.base.js		[linked i
200 no error	http://www.granneman.co...b17830f74fe2ab602fe4d9cca0d		[linked i
200 no error	http://www.granneman.co...locks/random_image/view.css		[linked i
200 no error	http://www.granneman.co...bootstrap/css/bootstrap.css		[linked i
200 no error	http://www.granneman.co...emes/bootstrap/css/main.css		[linked i
200 no error	http://www.granneman.co...ootstrap/css/conversion.css		[linked i
200 no error	http://www.granneman.co...otstrap/js/bootstrap.min.js		[linked i
200 no error	http://www.granneman.co...s/bootstrap/js/modernizr.js		[linked i
200 no error	http://www.granneman.co...-the-images-on-my-home-page		[img alt
200 no error	http://www.granneman.co...8cf89c274503251b514230f.jpg		[img alt
200 no error	http://www.granneman.com/writing		Writing
200 no error	http://www.granneman.com/writing		author
200 no error	http://www.granneman.com/writing		Publicati
200 no error	http://www.granneman.com/writing/books		Books
200 no error	http://www.granneman.com/writing/securityfocus		Security
200 no error	http://www.granneman.com/writing/linuxmagazine		Linux Mag
200 no error	http://www.granneman.com/writing/historical		Historica
200 no error	http://www.granneman.com/writing/swingsmisses		Swings &
200 no error	http://www.granneman.com/writing/essays		Essays
200 no error	http://www.granneman.com/presentations		Presentat
200 no error	http://www.granneman.com/presentations		presentat
200 no error	http://www.granneman.com/presentations/interviews		Intervie
200 no error	http://www.granneman.com/presentations/laduechapel		Ladue Cha
200 no error	http://www.granneman.co...tations/exploring-html5-css		Explorin
200 no error	http://www.granneman.co.../presentations/advanced-css		Advanced
200 no error	http://www.granneman.co...l-css-responsive-web-design		HTML to
200 no error	http://www.granneman.co...onsive-web-design-designers		Responsi
200 no error	http://www.granneman.com/presentations/web-design		Web Desi
200 no error	http://www.granneman.co...entations/operating-systems		Operatin
	o...resentations/various-sundry		Various

Open “www.granneman.com/themes/bootstrap/js/bootstrap.min.js” in a new tab

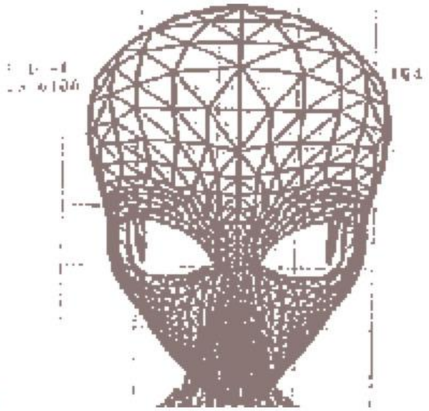
Xenu Link Checker

Checks websites for broken links

home.snafu.de/tilman/xenulink.html

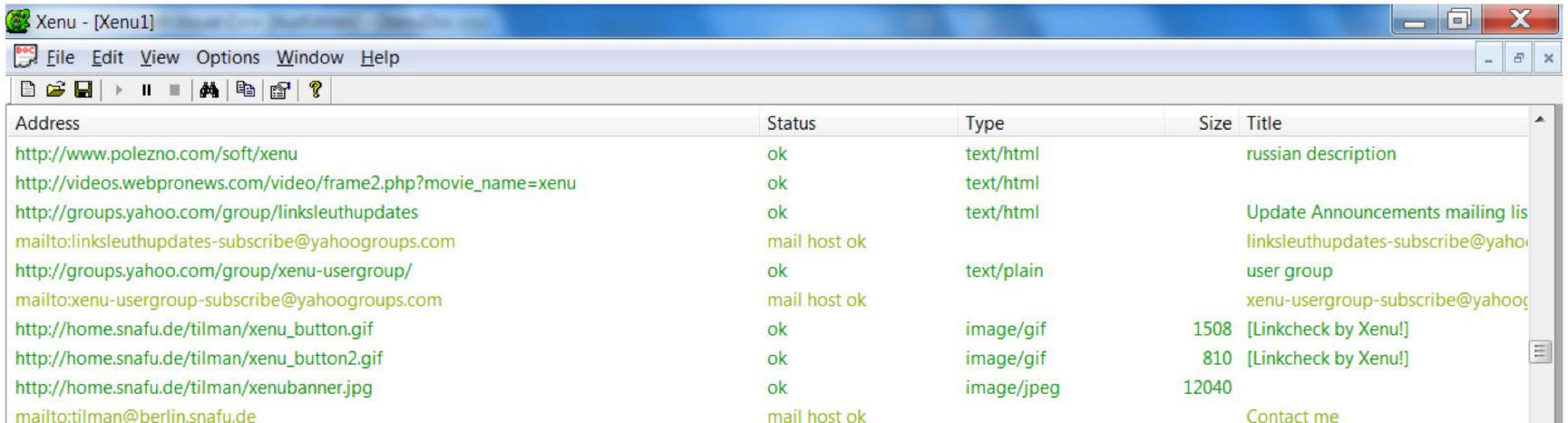
$0 (Windows 95–10!)

Xenu's Link Sleuth (TM)



Find broken links on web sites

- Description
- Download
- Frequently Asked Questions (FAQ)
- The story of Xenu's Link Sleuth (TM)
- Bug List
- Future feature List
- Credits
- Links for further reading
- Trademarks



Address	Status	Type	Size	Title
http://www.polezno.com/soft/xenu	ok	text/html		russian description
http://videos.webpronews.com/video/frame2.php?movie_name=xenu	ok	text/html		
http://groups.yahoo.com/group/linksleuthupdates	ok	text/html		Update Announcements mailing lis
mailto:linksleuthupdates-subscribe@yahoogroups.com	mail host ok			linksleuthupdates-subscribe@yaho
http://groups.yahoo.com/group/xenu-usergroup/	ok	text/plain		user group
mailto:xenu-usergroup-subscribe@yahoogroups.com	mail host ok			xenu-usergroup-subscribe@yahoog
http://home.snafu.de/tilman/xenu_button.gif	ok	image/gif	1508	[Linkcheck by Xenu!]
http://home.snafu.de/tilman/xenu_button2.gif	ok	image/gif	810	[Linkcheck by Xenu!]
http://home.snafu.de/tilman/xenubanner.jpg	ok	image/jpeg	12040	
mailto:tilman@berlin.snafu.de	mail host ok			Contact me

Xenu - [Xenu1]

File Edit View Options Window Help

Address	Status	Type	Size	Title
http://www.polezno.com/soft/xenu	ok	text/html		russian description
http://videos.webpronews.com/video/frame2.php?movie_name=xenu	ok	text/html		
http://groups.yahoo.com/group/linksleuthupdates	ok	text/html		Update Announcements mailing lis
mailto:linksleuthupdates-subscribe@yahoogroups.com	mail host ok			linksleuthupdates-subscribe@yaho
http://groups.yahoo.com/group/xenu-usergroup/	ok	text/plain		user group
mailto:xenu-usergroup-subscribe@yahoogroups.com	mail host ok			xenu-usergroup-subscribe@yahoo
http://home.snafu.de/tilman/xenu_button.gif	ok	image/gif	1508	[Linkcheck by Xenu!]
http://home.snafu.de/tilman/xenu_button2.gif	ok	image/gif	810	[Linkcheck by Xenu!]
http://home.snafu.de/tilman/xenubanner.jpg	ok	image/jpeg	12040	
mailto:tilman@berlin.snafu.de	mail host ok			Contact me
http://cultinfobooks.com/detail.asp?product_id=DON-AMT	ok			tax-exempt
http://www.berliner-dialog.de/	ok	text/html	10162	Dialog Zentrum Berlin e.V.
http://api.flattr.com/button/load.js	ok	text/javascript	3810	
http://home.snafu.de/tilman/tmp/Xenu64.zip	ok	application/zip	215...	64 bit beta version
http://127.0.0.1/	no connection			http://127.0.0.1
http://web.archive.org/web/20051203055125/wired-vig.wired.com/news/business/0,1367,...	busy			possibly patented
http://www.delphion.com/details?pn=US05694604__	ok	text/html		here
http://www.delphion.com/details?pn=US05694603__	busy			here
http://google.com/	ok	text/html	219	Google
http://webdev.archive.org/	no such host			Internet Archive
http://support.microsoft.com/support/kb/articles/q166/9/61.asp	ok			does not work with proxies
http://samspade.org/d/firewalls.html	not found			"Personal Firewalls" are mostly sna
http://www.andifashion.com/linkckg.shtm	ok	text/html		list of websites
http://www.boutell.com/innards/xenuandwikipedia.html	ok	text/html	13695	extended explanation of how wikip
http://www.deja.com/=dnc/getdoc.xp?AN=433246325	ok	text/html	249	read this usenet post for help

W3C Link Checker

Checks links in webpages or websites

validator.w3.org/checklink

$0

Link Checker

Check links and anchors in Web pages or full Web sites

Enter the address (URL) of a document that you would like to check:

https://www.granneman.com

More Options

- [ ] Summary only
- [ ] Hide redirects: (•) all ( ) for directories only
- [ ] Don't send the `Accept-Language` header
- [ ] Don't send the `Referer` header
- [ ] Check linked documents recursively, recursion depth:

- [ ] Save options in a cookie

Check

The W3C validators are hosted on server technology donated by HP, and supported by community donations. Flattr us! Donate and help us build better tools for a better web.

This Link Checker looks for issues in links, anchors and referenced objects in a Web page, CSS style sheet, or recursively on a whole Web site. For best results, it is recommended to first ensure that the documents checked use Valid (X)HTML Markup and CSS. The Link Checker is part of the W3C's validators and Quality Web tools.

Processing https://www.granneman.com/

Go to the results.

For reliable link checking results, check HTML validity and CSS validity first.

Back to the link checker.

Settings used:

- Accept: text/html, application/xhtml+xml;q=0.9, application/vnd.wap.xhtml+xml;q=0.6, */*;q=0.5
- Accept-Language: en-us
- Referer: sending
- Sleeping 1 second between requests to each server

Status: Done. Document processed in 183.53 seconds.

```
Checking link https://www.granneman.com/tech/intellectualproperty/
HEAD https://www.granneman.com/tech/intellectualproperty/  fetched in 1.84 seconds

Checking link https://www.granneman.com/tech/windows/
HEAD https://www.granneman.com/tech/windows/  fetched in 1.85 seconds

Checking link https://www.granneman.com/webdev/becoming-a-web-developer/
HEAD https://www.granneman.com/webdev/becoming-a-web-developer/  fetched in 1.84 seconds

Checking link https://www.granneman.com/writing/
HEAD https://www.granneman.com/writing/  fetched in 1.82 seconds

Checking link https://www.granneman.com/writing/books/
```

Results

List of broken links and other issues

There are issues with the URLs listed below. The table summarizes the issues and suggested actions by HTTP response status code.

Code	Occurrences	What to do
(N/A)	1	*The link was not checked due to robots exclusion rules. Check the link manually, and see also the link checker documentation on robots exclusion.*
(N/A)	1	Accessing links with this URI scheme has been disabled in link checker.

Results

List of broken links and other issues

There are issues with the URLs listed below. The table summarizes the issues and suggested actions by HTTP response status code.

Code	Occurrences	What to do
(N/A)	1	*The link was not checked due to robots exclusion rules. Check the link manually, and see also the link checker documentation on robots exclusion.*
(N/A)	1	Accessing links with this URI scheme has been disabled in link checker.
404	1	The link is broken. Double-check that you have not made any typo, or mistake in copy-pasting. If the link points to a resource that no longer exists, you may want to remove or fix the link.
501	1	Could not check this link: method not implemented or scheme not supported.

Line: 147 **https://www.granneman.com/**[redacted]

Status: 404 **Not Found**

The link is broken. Double-check that you have not made any typo, or mistake in copy-pasting. If the link points to a resource that no longer exists, you may want to remove or fix the link.

Line: 102 **mailto:scott@granneman.com**

Status: (N/A) Access to 'mailto' URIs has been disabled

Accessing links with this URI scheme has been disabled in link checker.

Line: 138 **http://www.linkedin.com/profile/view?id=3095912**

Status: 302 -> (N/A) Forbidden by robots.txt

Could not check this link: method not implemented or scheme not supported.

List of redirects

The links below are not broken, but the document does not use the exact URL, and the links were redirected. It may be a good idea to link to the final location, for the sake of speed.

⚠ Line: 140 http://www.youtube.com/user/scottgranneman **redirected to** https://www.youtube.com/user/scottgranneman

Status: 301 -> 200 OK

This is a permanent redirect. The link should be updated.

⚠ Line: 137 http://twitter.com/scottgranneman **redirected to** https://twitter.com/scottgranneman

Status: 301 -> 200 OK

This is a permanent redirect. The link should be updated.

Anchors

Found 6 anchors.

Valid anchors!

Checked 1 document in 183.61 seconds.

W3C Link Checker
version 4.81 (c) 1999-2011 W3C

Testing

Validation & Linting

Validation: does the code conform to the specification?

Markup Validation Service

Check the markup (HTML, XHTML, ...) of Web documents

Validate by URI | Validate by File Upload | Validate by Direct Input

Validate by URI

Validate a document online:

Address:

More Options

Check

This validator checks the markup validity of Web documents in HTML, XHTML, SMIL, MathML, etc. If you wish to validate specific content such as RSS/Atom feeds or CSS stylesheets, MobileOK content, or to find broken links, there are other validators and tools available. As an alternative you can also try our non-DTD-based validator.

Try now the W3C Validator Suite™ premium service that checks your entire website and evaluates its conformance with W3C open standards to quickly identify those portions of your website that need your attention.

The W3C validators are hosted on server technology donated by HP, and supported by community donations.
Donate and help us build better tools for a better web.

CSS Validation Service

Check Cascading Style Sheets (CSS) and (X)HTML documents with style sheets

By URI | **By file upload** | By direct input

Validate by file upload

Choose the document you would like validated:

Local CSS file: Choose File no file selected

More Options

Check

Try now the W3C Validator Suite™ premium service that checks your entire website and evaluates its conformance with W3C open standards to quickly identify those portions of your website that need your attention.

The W3C validators are developed with assistance from the Mozilla Foundation, and supported by community donations.
Donate and help us build better tools for a better web.

4627
Flattr

Note: If you want to validate your CSS style sheet embedded in an (X)HTML document, you should first check that the (X)HTML you use is valid.

English

Unicorn - W3C's Unified Validator

Improve the quality of the Web

By URI | By File Upload | By Direct Input

Select a task

Task: General Conformance Check *Performs as many checks as possible.*

Validate by URI

Enter the URI of a document you would like checked

Address:

Advanced options

Check

Try now the W3C Validator Suite™ premium service that checks your entire website and evaluates its conformance with W3C open standards to quickly identify those portions of your website that need your attention.

The W3C validators are hosted on server technology donated by HP, and supported by community donations. Donate and help us build better tools for a better web.

4961

Flattr

Documentation Download Feedback Translations

COPYRIGHT © 1994-2014 W3C® (MIT, ERCIM, KEIO). ALL RIGHTS RESERVED. W3C LIABILITY, TRADEMARK, DOCUMENT USE AND SOFTWARE LICENSING RULES APPLY. YOUR

index.html (portfolio-sat) — Brackets

Working Files

- agency.less
- index.html

portfolio-sat

- ▸ css
- ▸ font-awesome
- ▸ fonts
- ▸ img
- index.html
- ▸ js
- LICENSE
- ▸ mail
- README.md

```
454            <p class="item-intro text-muted">Learn the Linux command line!</p>
455            <iframe width="560" height="315" src="https://www.youtube.com/embed/nsBH_wqn-Bo" frameborder="0" allowfullscreen></iframe>
456            <div class="text-left">
457              <p>
458                Use this area to describe your project. Lorem ipsum dolor sit amet, consectetur adipisicing elit. Est blanditiis dolorem culpa incidunt minus dignissimos
```

1 W3CValidation Problem

455 The “frameborder” attribute on the “iframe” element is obsolete. Use CSS instead. <iframe width="560" height="315" src="https://www.youtube.com/embed/nsBH_w

Line 455, Column 1 — 632 Lines | Errors: 2 | INS | HTML | Spaces: 2

index.html (portfolio-sat) — Brackets

Working Files

- agency.less
- index.html

portfolio-sat

- ▸ css
- ▸ font-awesome
- ▸ fonts
- ▸ img
- index.html
- ▸ js
- LICENSE
- ▸ mail
- README.md

```
454            <p class="item-intro text-muted">Learn the Linux command line!</p>
455            <iframe width="560" height="315" src="https://www.youtube.com/embed/nsBH_wqn-Bo" frameborder="0" allowfullscreen></iframe>
456            <div class="text-left">
457              <p>
458                Use this area to describe your project. Lorem ipsum dolor sit amet, consectetur adipisicing elit. Est blanditiis dolorem culpa incidunt minus dignissimos
```

1 W3CValidation Problem

455 The “frameborder” attribute on the “iframe” element is obsolete. Use CSS instead. <iframe width="560" height="315" src="https://www.youtube.com/embed/nsBH_w

Line 455, Column 113 — Selected 16 columns — 632 Lines | Errors: 2 | INS | HTML | Spaces: 2

index.html (portfolio-sat) — Brackets

Working Files

- agency.less
- index.html

portfolio-sat

- css
- font-awesome
- fonts
- img
- index.html
- js
- LICENSE
- mail
- README.md

```
454                 <p class="item-intro text-muted">Learn the Linux command line!</p>
455                 <iframe width="560" height="315" src="https://www.youtube.com/embed/nsBH_wqn-Bo" allowfullscreen></iframe>
456                 <div class="text-left">
457                   <p>
458                     Use this area to describe your project. Lorem ipsum dolor sit amet, consectetur adipisicing elit. Est blanditiis dolorem culpa incidunt minus dignissimos deserunt repellat aperiam quasi sunt officia expedita beatae cupiditate, maiores repudiandae, nostrum, reiciendis facere nemo!
459                   </p>
460                   <p>
461                     <strong>Want these icons in this portfolio item sample?
```

Line 455, Column 97 — 632 Lines | Errors: 2 | INS | HTML | Spaces: 2

index.html (portfolio-sat) — Brackets

Working Files

agency.less

index.html

portfolio-sat

- css
- font-awesome
- fonts
- img
- index.html
- js
- LICENSE
- mail
- README.md

```
454 <p class="item-intro text-
    muted">Learn the Linux command line!
    </p>
```

Available | Themes | Installed

0.1.2

Tab Out
Daniel Geymayer
1.1.0
Use the Tab key to leave closing characters ", ',),], }, > like in Eclipse.
More info…
Disable | Remove

Tag Renamer
0674272bac(https://github.com/0674272bac)
0.0.2
Rename Open/Close tag names.
More info…
Disable | Remove

W3CValidation
Raymond Camden
<raymondcamden@gmail.com>
(http://www.raymondcamden.com)
2.2.2
Adds W3C validation support to Brackets.
More info…
Translated into 6 languages, including yours
Disable | Remove

Zoom Zoom
Scott Granneman, forked from Dustin Dowell
(https://github.com/dustindowell22)
1.0.0
Zoom zoom the sidebar 130%.
More info…
Disable | Remove

Drag .zip here or Install from URL…

Close

portfolio item sample?

Line 455, Column 97 — 632 Lines | Errors: 2 | INS | HTML | Spaces: 2

Linter: software that flags syntactic discrepancies in code, or code that doesn't correspond to specified style guidelines

Acts as simple debugger for common errors

index.html (portfolio-sat) — Brackets

Working Files

agency.less

index.html

portfolio-sat

- css
- font-awesome
- fonts
- img
- index.html
- js
- LICENSE
- mail
- README.md

```
454 <p class="item-intro text-
    muted">Learn the Linux command line!
```

Available | Themes | Installed

1.3.5 — Disable | Remove

Translated into 5 languages, including yours

Indent Guides
Lance Campbell (https://github.com/lkcampbell)
1.3.5
Show indent guides in the code editor.
More info… — Disable | Remove

Indentator
Andrew Huth (https://github.com/ahuth)
1.0.3
Re-indent a document using your current indentation settings.
More info… — Disable | Remove

Join Lines
Hamdan Javeed
1.0.2
Joins the next line or all the lines selected, with or without whitespace.
More info… — Disable | Remove

JSHint
Raymond Camden <raymondcamden@gmail.com> (http://www.raymondcamden.com)
2.2.19
Adds JSHint support to Brackets.
More info… — Disable | Remove

Drag .zip here or Install from URL…

Close

Line 455, Column 97 — 632 Lines | Errors: 2 | INS | HTML | Spaces: 2

Indentator

Menu: Edit > Indent Document

Keyboard: ^⌥I

• test.html (Getting Started) — Brackets

Working Files

index.html

• test.html

Getting Started

index.html

main.css

screenshots

quick-edit.png

test.html

Now press Ctrl+Alt+I...

```
1  <!doctype html>
2  <html>
3  <head>
4      <meta charset="UTF-8">
5      <title>Test Document</title>
6  </head>
7  <body>
8
9  <h1>Test Title</h1>
10
11     <p>
12     Lorem ipsum dolor sit amet, consectetur
       adipisicing elit, sed do eiusmod tempor incididunt
       ut labore et dolore magna aliqua. Ut enim ad minim
       veniam, quis nostrud exercitation ullamco laboris
       nisi ut aliquip ex ea commodo consequat.
13 </p>
14
15     <p>
16     Duis aute irure dolor in reprehenderit in
```

Line 14, Column 3 — 20 Lines | INS | HTML | Spaces: 2

• test.html (Getting Started) — Brackets

Working Files

- index.html
- • test.html

Getting Started

- index.html
- main.css
- screenshots
  - quick-edit.png
- test.html

```html
<!doctype html>
<html>
  <head>
    <meta charset="UTF-8">
    <title>Test Document</title>
  </head>
  <body>

    <h1>Test Title</h1>

    <p>
      Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.
    </p>

    <p>
```

Line 14, Column 1 — 20 Lines | INS | HTML | Spaces: 2

When it comes to JavaScript, JSHint is preferable to JSLint

index.html (portfolio-sat) — Brackets

Working Files

agency.less

index.html

portfolio-sat

- css
- font-awesome
- fonts
- img
- index.html
- js
- LICENSE
- mail
- README.md

```
454  <p class="item-intro text-
     muted">Learn the Linux command line!
     </p>
```

Available | Themes | Installed

lint

JSHint
Raymond Camden
2.2.19 — 03/04/2016
Adds JSHint support to Brackets.
More info…
Installed

SCSS Lint
chimo
0.4.0 — 01/19/2016
Adds SCSS lint support to Brackets.
More info…
Install

HTMLHint
Raymond Camden
1.2.2 — 01/16/2016
Adds HTMLHint support to Brackets.
More info…
Install

brackets-sass-lint
Pete Nykänen
0.0.2 — 01/09/2016
This extension requires a newer version of Brackets.
Ignore version error and use 'brackets-npm-registry' to install. Brackets extension for pure Node.js Sass linting
More info…
Install

Lintyai
Лёха zloy и красивый
1.2.0 — 01/07/2016
External linter commander. Work with JS, CSS and LESS, JSON, XML and HTML, PHP and Lua. (Please setup config.js and restart Brackets.)
Install

Drag .zip here or Install from URL…

Close

```
="315"
om/embed/ns
></iframe>

ibe your
olor sit
isicing
olorem
ignissimos
iam quasi
beatae
pudiandae,
cere nemo!

ns in this
portfolio item sample?
```

Line 455, Column 97 — 632 Lines | Errors: 2 | INS | HTML | Spaces: 2

Browser Inspectors & Web Developer Tools

Home :: Scott Granneman

Home :: Scott Granneman

www.granneman.com

Google

p

Copy Inner HTML
Copy Outer HTML
Copy Unique Selector

Delete Node

:hover
:active
:focus

Scott Granneman is an author, educator, & partner in a Web development company in St. Louis, Missouri. Scott has written six books, contributed to two columns for SecurityFocus and *Linux Magazine*. He is an Adjunct Professor at Washington University in St. Louis & Webster University, teaching courses on technology, security, web development, & the Internet. As a Principal of WebSanity, he plans, develops, and hosts websites for clients in 12 states using an open source, UNIX-based content management system. He has given presentations all over the United States, and loves speaking to people.

News & Updates

Note: The following news items are personal in nature & are automatically selected from GranneBlog.

Subscribe to News via:

Key Site Links

Pages you're probably looking for:

- Publications
- Summer Vacation 2007: The Plains
- Web Development Key Links
- Wash U: Website Design & Development Syllabus
- Webster U: Programming for Web Communications Syllabus

Console | Inspector | Debugger | Style Editor | Profiler | Network

ayout-row.ccm-layout-row-1 > div.ccm-layout-5-col-1.ccm-layout-cell > div.ccm-layout-col-spacing > div > p

```
<div id="ccm-layout-body-5-2" class="ccm-layout ccm-layout-table ccm-layout-name-Body-Layout-2 ">
  <div class="ccm-layout-row ccm-layout-row-1">
    <div class="ccm-layout-5-col-1 ccm-layout-cell ccm-layout-col ccm-layout-col-1 first" style="width:71%">
      <div class="ccm-layout-col-spacing">
        <div>
          <p></p>
        </div>
        <div></div>
        <div id="rssSummaryList1170" class="rssSummaryList"></div>
      </div>
    </div>
```

Rules | Computed | Fonts | Box Model

```
element {                                   inline
}
p, dl, li, th, td,                          typography.css:114
blockquote {
  font: 16px/1.5em "Source Sans
Pro","Lucida Grande",Lucida,Verdana,sans-
serif;
  color: rgb(51, 51, 51);
}
p, blockquote, ul, ol,                      typography.css:109
dl, fieldset, address,
pre {
  margin-bottom: 15px;
```

Home :: Scott Granneman

www.granneman.com

Bonjour S-Foc Ent RSG G WS Soc Apps lets News Save Open URL

Scott Grannen

Writing | Presentations | Teaching | Web Development | Tech Info | Personal

Scott Granneman is an author, educator, & partner in a Web development company in St. Louis, Missouri. Scott has written six books, contributed to two, and penned monthly columns for SecurityFocus and *Linux Magazine*. He is an Adjunct Professor at Washington University in St. Louis & Webster University, teaching courses on technology, security, web development, & the Internet. As a Principal of WebSanity, he plans, develops, and hosts websites for clients in 12 states using an open source, UNIX-based content management system. He has given presentations all over the United States, and loves speaking to people.

Key Site Links

Pages you're probably looking for:

- Publications
- Summer Vacation 2007: The Plains
- Web Development Key Links

18 — 0 1 0

Search Resource Content

- www.granneman.com
  - Images
  - Scripts
  - Stylesheets
- Cookies — www.granneman.com
- Extension Scripts
- Local Storage — www.granneman.com
- Session Storage — www.granneman.com

Filter Resource List

```
▶<script>…</script>
▶<head>…</head>
▼<body id="toc-top" class="cID-1">
  ▼<div id="not_footer">
    ▶<div id="header">…</div>
    ▶<div id="site_nav">…</div>
    ▼<div id="page">
      ▼<div id="page_content" class="home_page">
        ▼<div id="body_copy">
          ▼<div id="ccm-layout-wrapper-14" class="ccm-layout-wrapper">
            ▼<div id="ccm-layout-body-5-2" class="ccm-layout ccm-layout-table ccm-
            layout-name-Body-Layout-2 ">
              ▼<div class="ccm-layout-row ccm-layout-row-1">
                ▼<div class="ccm-layout-5-col-1 ccm-layout-cell ccm-layout-col ccm-
                layout-col-1 first" style="width:71%">
```

Computed | Rules | Metrics

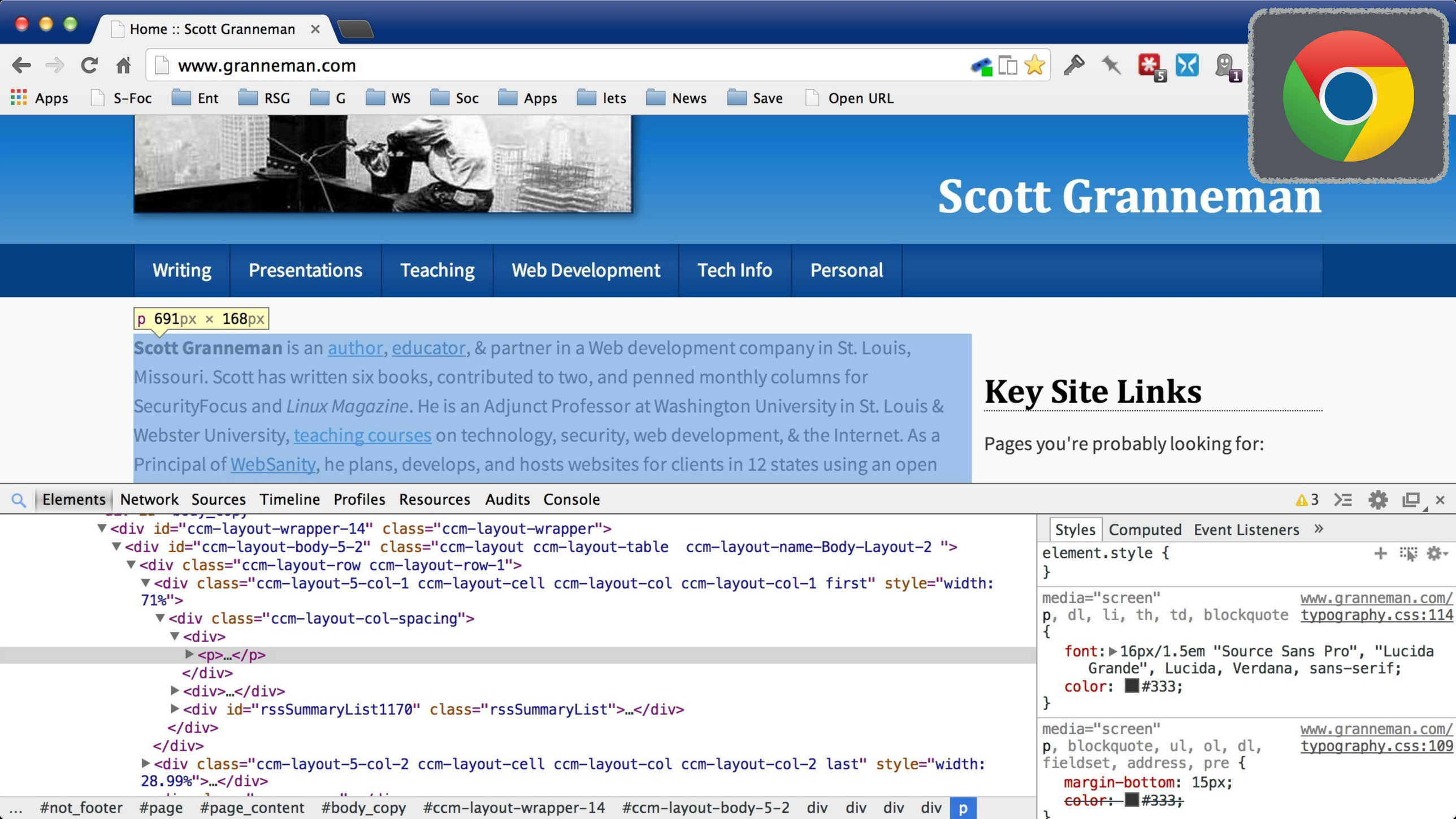
p — Style Attribute
No Properties — Click to Edit

+ New Rule

p, dl, li, th, td, blockquote — typography.css:114

```
font: 16px/1.5em "Source Sans Pro",
  "Lucida Grande", Lucida, Verdana,
  sans-serif;
color: #333;
```

p, blockquote, ul, ol, dl, fieldset, address, pre — typography.css:109


Home :: Scott Granneman
www.granneman.com
Apps S-Foc Ent RSG G WS Soc Apps lets News Save Open URL
Scott Granneman
Writing Presentations Teaching Web Development Tech Info Personal
p 691px × 168px
Scott Granneman is an author, educator, & partner in a Web development company in St. Louis, Missouri. Scott has written six books, contributed to two, and penned monthly columns for SecurityFocus and Linux Magazine. He is an Adjunct Professor at Washington University in St. Louis & Webster University, teaching courses on technology, security, web development, & the Internet. As a Principal of WebSanity, he plans, develops, and hosts websites for clients in 12 states using an open
Key Site Links
Pages you're probably looking for:
Elements Network Sources Timeline Profiles Resources Audits Console
<div id="ccm-layout-wrapper-14" class="ccm-layout-wrapper">
<div id="ccm-layout-body-5-2" class="ccm-layout ccm-layout-table ccm-layout-name-Body-Layout-2 ">
<div class="ccm-layout-row ccm-layout-row-1">
<div class="ccm-layout-5-col-1 ccm-layout-cell ccm-layout-col ccm-layout-col-1 first" style="width: 71%">
<div class="ccm-layout-col-spacing">
<div>
<p>…</p>
</div>
<div>…</div>
<div id="rssSummaryList1170" class="rssSummaryList">…</div>
</div>
</div>
<div class="ccm-layout-5-col-2 ccm-layout-cell ccm-layout-col ccm-layout-col-2 last" style="width: 28.99%">…</div>
… #not_footer #page #page_content #body_copy #ccm-layout-wrapper-14 #ccm-layout-body-5-2 div div div div p
Styles Computed Event Listeners
element.style {
}
media="screen" www.granneman.com/typography.css:114
p, dl, li, th, td, blockquote {
font: 16px/1.5em "Source Sans Pro", "Lucida Grande", Lucida, Verdana, sans-serif;
color: #333;
}
media="screen" www.granneman.com/typography.css:109
p, blockquote, ul, ol, dl, fieldset, address, pre {
margin-bottom: 15px;
color: #333;
}

Let’s dive into Chrome’s Inspector

To open:

- View > Developer > Developer Tools
- `⌥⌘I` (Mac)
- `Ctrl+Shift+I` (Windows)
- Right-click & select Inspect
- ≡/⋮ > More Tools > Developer Tools

Scott Granneman

Scott Granneman is an author, educator, & partner in a Web development company in St. Louis, Missouri. Scott has written six books, contributed to two, and penned monthly columns for SecurityFocus and *Linux Magazine*. He is an Adjunct Professor at Washington University in St. Louis & Webster University, teaching courses on technology, security, web development, & the Internet. As a Principal of WebSanity, he plans, develops, and hosts websites for clients in 12 states using an open source, UNIX-based content management system. He has given presentations all over the United States, and loves speaking to people.

Key Site Links

Pages you're probably looking for.

Teaching

- Web Development Key Links
- Wash U: Website Design & Development Syllabus
- Webster U (Comp Sci): Intro to Web Programming Syllabus
- Webster U (Comp Sci): Intro to Web Programming Syllabus (8-Week)
- Webster U (Comp Sci): Cascading Style Sheets

Personal

Scott Granneman

Writing Presentations Teaching Web Dev Tech Personal Site Map Search

Scott Granneman is an author, educator, & partner in a Web development company in St. Louis, Missouri. Scott has written six books, contributed to two, and penned monthly columns for SecurityFocus and *Linux Magazine*. He is an Adjunct Professor at Washington University in St. Louis & Webster University, teaching courses on technology, security, web development, & the Internet. As a Principal of WebSanity, he plans, develops, and hosts websites for clients in 12 states using an open source, UNIX-based content management system. He has given presentations all over the United States, and loves speaking to people.

Elements Console Sources Network Timeline Profiles Application Security Audits 300

```
<!DOCTYPE html>
<html lang="en" class=" cID-1 js no-touch">
▶ <head>…</head>
▼ <body id="toc-top" class="cID-1"> == $0
  ▶ <div id="wrap">…</div>
  ▶ <footer>…</footer>
    <a href="/websanity-top-secret" style="display:none">WebSanity Top Secret</a>
  ▶ <script type="text/javascript">…</script>
  </body>
</html>
```

html.cID-1.js.no-touch body#toc-top.cID-1

Styles Computed Event Listeners

Filter :hov .cls +

```
element.style {
}
body {                                  main.css:408
  font-family: "Source Sans Pro",
    "Lucida Grande", Lucida,
    Verdana, sans-serif;
}
html, body {                            main.css:262
  height: 100%;
}
body {                                  main.css:19
  font-size: 1.1em;
```

Scott Granneman

Writing Presentations Teaching Web Dev Tech Personal Site Map Search

Scott Granneman is an author, educator, & partner in a Web development company in St. Louis, Missouri. Scott has written six books, contributed to two, and penned monthly columns for SecurityFocus and *Linux Magazine*. He is an Adjunct Professor at Washington University in St. Louis & Webster University, teaching courses on technology, security, web development, & the Internet. As a Principal of WebSanity, he plans, develops, and hosts websites for clients in 12 states using an open source, UNIX-based content management system. He has given presentations all over the United States, and loves speaking to people.

Elements Console Sources Network Timeline Profiles Application Security Audits 300

```
<!DOCTYPE html>
<html lang="en" class=" cID-1 js no-touch">
▶ <head>…</head>
▼ <body id="toc-top" class="cID-1"> == $0
  ▶ <div id="wrap">…</div>
  ▶ <footer>…</footer>
    <a href="/websanity-top-secret" style="display:none">WebSanity Top Secret</a>
  ▶ <script type="text/javascript">…</script>
  </body>
</html>
```

html.cID-1.js.no-touch body#toc-top.cID-1

Styles Comput

Filter

```
element.style
}
body {
  font-family
    "Lucida
    Verdana,
}
html, body {                    main.css:262
  height: 100%;
}
body {                          main.css:19
  font-size: 1.1em;
```

Dock side

Show console drawer Esc
Search all files ⌘ opt F
More tools ▶

Shortcuts
Settings F1
Help

Scott Granneman

Home

Scott Granneman is an author, educator, & partner in a Web development company in St. Louis, Missouri. Scott has written six books, contributed to two, and penned monthly columns for SecurityFocus and *Linux Magazine*. He is an Adjunct Professor at Washington University in St. Louis & Webster University, teaching courses on technology, security, web development, & the Internet. As a Principal of WebSanity, he plans, develops, and hosts websites for clients in 12 states using an open source, UNIX-based content management system. He has given presentations all over the United States, and loves speaking to people.

Key Site Links

Pages you're probably looking for.

Teaching

- Web Development Key Links
- Wash U: Website Design & Development Syllabus

Elements Console Sources » 312

```
<!DOCTYPE html>
<html lang="en" class=" cID-1 js no-touch">
▶ <head>…</head>
▼ <body id="toc-top" class="cID-1"> == $0
  ▶ <div id="wrap">…</div>
  ▶ <footer>…</footer>
    <a href="/websanity-top-secret" style="display:
    none">WebSanity Top Secret</a>
  ▶ <script type="text/javascript">…</script>
  </body>
</html>
```

html.cID-1.js.no-touch body#toc-top.cID-1

Styles Event Listeners DOM Breakpoints Properties

Filter :hov .cls +

```
element.style {
}
body {                    main.css:408
  font-family: "Source Sans
    Pro", "Lucida Grande",
    Lucida, Verdana, sans-
    serif;
}
html, body {              main.css:262
  height: 100%;
}
body {                    main.css:19
  font-size: 1.1em;
}
```

margin -
border -
padding
735 × 676

Filter Show all

background…	rgb(2…
box-sizing	border…
color	rgb(5…
display	block
font-famil…	"Source…

teaching courses on technology, security, web development, & the Internet. As a Principal of WebSanity, he plans, develops, and hosts websites for clients in 12 states using an open source, UNIX-based content management system. He has given presentations all over the United States, and loves speaking to

h2 | 1140×38

Key Site Links

Pages you're probably looking for.

Teaching

- Web Development Key Links
- Wash U: Website Design & Development Syllabus
- Webster U (Comp Sci): Intro to Web Programming Syllabus
- Webster U (Comp Sci): Intro to Web Programming Syllabus (8-Week)
- Webster U (Comp Sci): Cascading Style Sheets

Elements Console Sources Network Timeline Profiles Application Security Audits

```
<!DOCTYPE html>
<html lang="en" class=" cID-1 js touch">
▶ <head>…</head>
▼ <body id="toc-top" class="cID-1">
  ▼ <div id="wrap">
    ▶ <header class="site-header">…</header>
    ▶ <nav class="navbar navbar-inverse ">…</nav>
    ▼ <main class="container page-home">
      ::before
      ▶ <div>…</div>
        <h2>Key Site Links</h2> == $0
        <p>Pages you're probably looking for.</p>
        <h3>Teaching</h3>
      ▶ <ul>…</ul>
```

html.cID-1.js.touch body#toc-top.cID-1 div#wrap main.container.page-home h2

Styles Computed Event Listeners »

Filter :hov .cls +

```
h2 {                                  main.css:58
  font-size: 200%;
  clear: both;
}
h2, h3, h4, h5, h6 {                  main.css:53
  font-weight: 700;
}
h2, .h2 {                             type.less:50
  ~~font-size: 30px;~~
}
h1, .h1, h2, .h2, h3, .h3             type.less:24
```

teaching courses on technology, security, web development, & the Internet. As a Principal of WebSanity, he plans, develops, and hosts websites for clients in 12 states using an open source, UNIX-based content management system. He has given presentations all over the United States, and loves speaking to people.

h2 | 1140 × 38

Key Site Links

Pages you're probably looking for.

Teaching

- Web Development Key Links
- Wash U: Website Design & Development Syllabus
- Webster U (Comp Sci): Intro to Web Programming Syllabus
- Webster U (Comp Sci): Intro to Web Programming Syllabus (8-Week)
- Webster U (Comp Sci): Cascading Style Sheets

Elements Console Sources Network Timeline Profiles Application Security Audits 324

```
▶ <header class="site-header">…</header>
▶ <nav class="navbar navbar-inverse ">…</nav>
▼ <main class="container page-home">
    ::before
  ▶ <div>…</div>
    <h2>Key Site Links</h2> == $0
    <p>Pages you're probably looking for.</p>
    <h3>Teaching</h3>
  ▶ <ul>…</ul>
    <h3>Personal</h3>
  ▶ <ul>…</ul>
    ::after
  </main>
</div>
▶ <footer>…</footer>
```

html.cID-1.js.no-touch body#toc-top.cID-1 div#wrap main.container.page-home h2

Styles Computed Event Listeners »

Filter :hov .cls +

```
h2 {                                   main.css:54
  font-size: 200%;
  clear: both;
}
h2, h3, h4, h5, h6 {                   main.css:49
  font-weight: 700;
}
h2, .h2 {                              type.less:50
  ~~font-size: 30px;~~
}
h1, .h1, h2, .h2, h3, .h3              type.less:24
```

teaching courses on technology, security, web development, & the Internet. As a Principal of WebSanity, he plans, develops, and hosts websites for clients in 12 states using an open source, UNIX-based content management system. He has given presentations all over the United States, and loves speaking to people.

Key Site Links

Pages you're probably looking for.

Teaching

- Web Development Key Links
- Wash U: Website Design & Development Syllabus
- Webster U (Comp Sci): Intro to Web Programming Syllabus

Elements Console Sources Network Timeline Profiles Application Security Audits

```
<!DOCTYPE html>
<html lang="en" class=" cID-1 js touch">
▶ <head>…</head>
▼ <body id="toc-top" class="cID-1">
  ▼ <div id="wrap">
    ▶ <header class="site-header">…</header>
    ▶ <nav class="navbar navbar-inverse ">…</nav>
    ▼ <main class="container page-home">
        ::before
      ▶ <div>…</div>
        <h2>Key Site Links</h2> == $0
        <p>Pages you're probably looking for.</p>
        <h3>Teaching</h3>
      ▶ <ul>…</ul>
        <h3>Personal</h3>
      ▶ <ul>…</ul>
        ::after
      </main>
```

html.cID-1.js.touch body#toc-top.cID-1 div#wrap main.container.page-home h2

Styles Computed Event Listeners »

Filter :hov .cls +

```
{
  ~~-webkit-box-sizing: border-box;~~
  ~~-moz-box-sizing: border-box;~~
  box-sizing: border-box;
}
```

margin 20
border -
padding
1140 × 38
10

teaching courses on technology, security, web development, & the Internet. As a Principal of WebSanity, he plans, develops, and hosts websites for clients in 12 states using an open source, UNIX-based content management system. He has given presentations all over the United States, and loves speaking to people.

Key Site Links

Pages you're probably looking for.

Teaching

- Web Development Key Links
- Wash U: Website Design & Development Syllabus
- Webster U (Comp Sci): Intro to Web Programming Syllabus

Elements Console Sources Network Timeline Profiles Application Security Audits

```
<!DOCTYPE html>
<html lang="en" class=" cID-1 js touch">
▶ <head>…</head>
▼ <body id="toc-top" class="cID-1">
  ▼ <div id="wrap">
    ▶ <header class="site-header">…</header>
    ▶ <nav class="navbar navbar-inverse ">…</nav>
    ▼ <main class="container page-home">
        ::before
      ▶ <div>…</div>
        <h2>Key Site Links</h2> == $0
        <p>Pages you're probably looking for.</p>
        <h3>Teaching</h3>
      ▶ <ul>…</ul>
        <h3>Personal</h3>
      ▶ <ul>…</ul>
        ::after
      </main>
```

html.cID-1.js.touch body#toc-top.cID-1 div#wrap main.container.page-home h2

Styles Computed Event Listeners »

margin 20
border -
padding
1140 × 38
10

Filter Show all

box-sizing	border…
clear	both
color	rgb(5…
display	block
font-family	Headin…

teaching courses on technology, security, web development, & the Internet. As a Principal of WebSanity, he plans, develops, and hosts websites for clients in 12 states using an open source, UNIX-based content management system. He has given presentations all over the United States, and loves speaking to people.

Key Site Links

Pages you're probably looking for.

Teaching

- Web Development Key Links
- Wash U: Website Design & Development Syllabus
- Webster U (Comp Sci): Intro to Web Programming Syllabus

Elements Console Sources Network Timeline Profiles Application Security Audits

```
<!DOCTYPE html>
<html lang="en" class=" cID-1 js touch">
▶ <head>…</head>
▼ <body id="toc-top" class="cID-1">
  ▼ <div id="wrap">
    ▶ <header class="site-header">…</header>
    ▶ <nav class="navbar navbar-inverse ">…</nav>
    ▼ <main class="container page-home">
        ::before
      ▶ <div>…</div>
        <h2>Key Site Links</h2> == $0
        <p>Pages you're probably looking for.</p>
        <h3>Teaching</h3>
      ▶ <ul>…</ul>
        <h3>Personal</h3>
      ▶ <ul>…</ul>
        ::after
      </main>
```

html.cID-1.js.touch body#toc-top.cID-1 div#wrap main.container.page-home h2

Styles Computed Properties »

```
▼ h2
    accessKey: ""
    align: ""
    assignedSlot: null
  ▶ attributes: NamedNodeMap
    baseURI: "https://www.granneman.com
    childElementCount: 0
  ▶ childNodes: NodeList[1]
  ▶ children: HTMLCollection[0]
  ▶ classList: DOMTokenList[0]
    className: ""
    clientHeight: 38
    clientLeft: 0
    clientTop: 0
    clientWidth: 1140
    contentEditable: "inherit"
  ▶ dataset: DOMStringMap
    dir: ""
    draggable: false
```

teaching courses on technology, security, web development, & the Internet. As a Principal of WebSanity, he plans, develops, and hosts websites for clients in 12 states using an open source, UNIX-based content management system. He has given presentations all over the United States, and loves speaking to people.

Key Site Links

Pages you're probably looking for.

Teaching

- Web Development Key Links
- Wash U: Website Design & Development Syllabus
- Webster U (Comp Sci): Intro to Web Programming Syllabus
- Webster U (Comp Sci): Intro to Web Programming Syllabus (8-Week)
- Webster U (Comp Sci): Cascading Style Sheets

Elements Console Sources Network Timeline Profiles Application Security Audits

top ▼ Preserve log

›

teaching courses on technology, security, web development, & the Internet. As a Principal of WebSanity, he plans, develops, and hosts websites for clients in 12 states using an open source, UNIX-based content management system. He has given presentations all over the United States, and loves speaking to people.

Key Site Links

Pages you're probably looking for.

Teaching

- Web Development Key Links
- Wash U: Website Design & Development Syllabus
- Webster U (Comp Sci): Intro to Web Programming Syllabus
- Webster U (Comp Sci): Intro to Web Programming Syllabus (8-Week)
- Webster U (Comp Sci): Cascading Style Sheets

Elements Console Sources Network Timeline Profiles Application Security Audits

Sources Conte… Snipp…

top
www.granneman.com
concrete
files/cache
packages
themes/bootstrap
(index)
(no domain)
ssl.google-analytics.com

(index) ×

```
62        </div>
63      </div>
64    </nav>
65
66  <main class="container page-home">
67    <div>
68  <p><strong>Scott Granneman</strong> is an <a title="Writing" href="/writing/">author
69  </div><h2>Key Site Links</h2>
70
71  <p>Pages you're probably looking for.</p>
72
73  <h3>Teaching</h3>
74
75  <ul>
```

{} Line 69, Column 23

Watch
Call Stack
Not Paused
Scope
Not Paused
Breakpoints
No Breakpoints
XHR Breakpoints
DOM Breakpoints
Global Listeners

teaching courses on technology, security, web development, & the Internet. As a Principal of WebSanity, he plans, develops, and hosts websites for clients in 12 states using an open source, UNIX-based content management system. He has given presentations all over the United States, and loves speaking to people.

Key Site Links

Pages you're probably looking for.

Teaching

- Web Development Key Links
- Wash U: Website Design & Development Syllabus
- Webster U (Comp Sci): Intro to Web Programming Syllabus
- Webster U (Comp Sci): Intro to Web Programming Syllabus (8-Week)
- Webster U (Comp Sci): Cascading Style Sheets

Elements Console Sources Network Timeline Profiles Application Security Audits

Sources Conte… Snipp…

- files/cache
- packages
- *themes/bootstrap*
  - js
  - *css*
    - *less*
    - *bootstrap.css*
    - conversion.css
    - main.css
  - (index)
- (no domain)
- ssl.google-analytics.com

(index) (index) main.css × conversion.css

```
/* @end */
/* @group Text */
/* line 416, /Users/rsgranne/Dropbox/Documents/Web Dev Projects/granneman/css/main.s
body {
  font-family: "Source Sans Pro", "Lucida Grande", Lucida, Verdana, sans-serif;
}

/* line 420, /Users/rsgranne/Dropbox/Documents/Web Dev Projects/granneman/css/main.s
h1, h2, h3, h4, h5, h6 {
  font-family: Heading, Impact, sans-serif;
}

/* line 425, /Users/rsgranne/Dropbox/Documents/Web Dev Projects/granneman/css/main.s
```

{} Line 461, Column 16

- Watch
- Call Stack
  - *Not Paused*
- Scope
  - *Not Paused*
- Breakpoints
  - *No Breakpoints*
- XHR Breakpoints
- DOM Breakpoints
- Global Listeners

in 12 states using an open source, UNIX-based content management system. He has given presentations all over the United States, and loves speaking to people.

Key Site Links

Pages you're probably looking for.

Teaching

Elements Console Sources Network Timeline Profiles Application Security Audits

View: Preserve log Disable cache Offline No throttling

Filter Regex Hide data URLs All XHR JS CSS Img Media Font Doc WS Manifest Other

100ms 200ms 300ms 400ms 500ms 600ms 700ms 800ms 900ms 1000ms

Name	Status	Type	Initiator	Size	Time	Timeline – Start Time
www.granneman.com	200	document	Other	4.4KB	852ms	
ccm.base.css	200	stylesheet	(index):18	(from di…	5ms	
jquery.js	200	script	(index):19	(from di…	17ms	
ccm.base.js	200	script	(index):20	(from di…	14ms	
view.js?v=46e5db17830f74fe2ab6…	200	script	(index):21	(from di…	14ms	
view.css	200	stylesheet	(index):22	(from di…	10ms	
bootstrap.css	200	stylesheet	(index):23	(from di…	16ms	
main.css	200	stylesheet	(index):24	3.9KB	166ms	
conversion.css	200	stylesheet	(index):25	(from di…	11ms	
bootstrap.min.js	200	script	(index):26	(from di…	14ms	
modernizr.js	200	script	(index):27	(from di…	14ms	
410894d2963c95c7bba44096e5b…	200	jpeg	(index):39	14.2KB	353ms	
sourcesanspro-regular-webfont.w…	200	font	modernizr.js:4	(from di…	3ms	

600.00ms 800.00ms 1.00s 1.20s 1.40

19 requests | 22.8KB transferred | Finish: 1.36s

in 12 states using an open source, UNIX-based content management system. He has given presentations all over the United States, and loves speaking to people.

Key Site Links

Pages you're probably looking for.

Teaching

Elements Console Sources Network Timeline Profiles Application Security Audits

View: Preserve log Disable cache Offline No throttling

Filter Regex Hide data URLs All XHR JS CSS Img Media Font Doc WS Manifest Other

100ms 200ms 300ms 400ms 500ms 600ms 700ms 800ms 900ms 1000ms

Name	Status	Type	Initiator	Size	Time	Timeline – Start Time
www.granneman.com	200	document	Other	4.4KB	852ms	
ccm.base.css	200	stylesheet	(index):18	(from di…	5ms	
jquery.js	200	script	(index):19	(from di…	17ms	
ccm.base.js	200	script	(index):20	(from di…	14ms	
view.js?v=46e5db17830f74fe2ab6…	200	script	(index):21	(from di…	14ms	
view.css	200	stylesheet	(index):22	(from di…	10ms	
bootstrap.css	200	stylesheet	(index):23	(from di…	16ms	
main.css	200	stylesheet	(index):24	3.9KB	166ms	
conversion.css	200	stylesheet	(index):25	(from di…	11ms	
bootstrap.min.js	200	script	(index):26	(from di…	14ms	
modernizr.js	200	script	(index):27	(from di…	14ms	
410894d2963c95c7bba44096e5b…	200	jpeg	(index):39	14.2KB	353ms	
sourcesanspro-regular-webfont.w…	200	font	modernizr.js:4	(from di…	3ms	

600.00ms 800.00ms 1.00s 1.20s 1.40

Connection Setup	TIME
Queueing	5.90ms
Stalled	0.66ms
DNS Lookup	0.01ms
Initial connection	199.81ms
SSL	158.66ms
Request/Response	**TIME**
Request sent	0.06ms
Waiting (TTFB)	649.83ms
Content Download	1.50ms
Explanation	**857.84ms**

19 requests | 22.8KB transferred | Finish: 1.36s

in 12 states using an open source, UNIX-based content management system. He has given presentations all over the United States, and loves speaking to people.

Key Site Links

Pages you're probably looking for.

Teaching

Elements Console Sources Network Timeline Profiles Application Security Audits

View: Preserve log Disable cache Offline No throttling

Filter Regex Hide data URLs All XHR JS CSS Img Media Font Doc WS Manifest Other

100ms 200ms 300ms 400ms 500ms 600ms 700ms 800ms 900ms 1000ms

Name	Status	Type	Initiator	Size	Time	Timeline – Start Time	600.00ms	800.00ms	1.00s	1.20s	1.40
sourcesanspro-regular-webfont.w…	200	font	modernizr.js:4	(from di…	3ms						
robotocondensed-bold-webfont.…	304	font	(index):130	184B	194ms						
sourcesanspro-bold-webfont.woff2	200	font	(index):130	(from di…	3ms						
sourcesanspro-italic-webfont.woff2	200	font	(index):130	(from di…	3ms						
fontawesome-webfont.woff2?v=4…	200	font	jquery.js:2	(from di…	3ms						

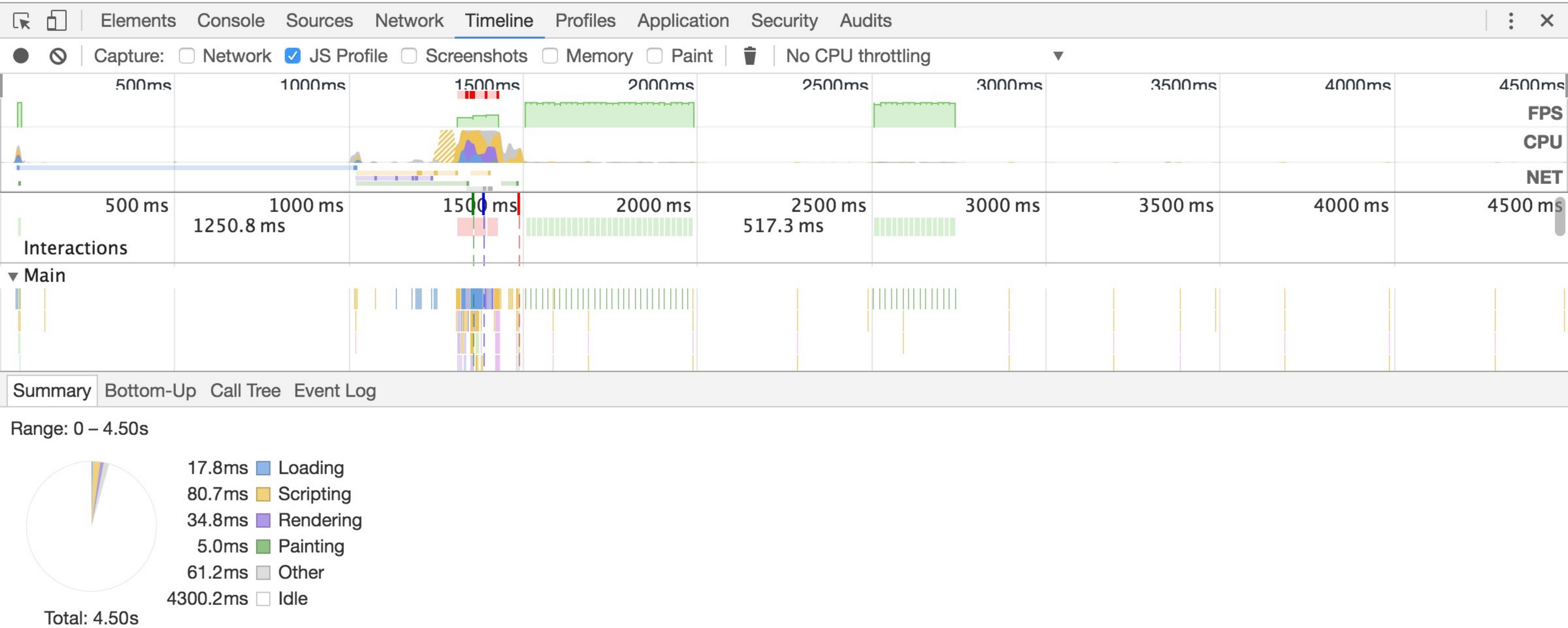
5 / 19 requests | 184B / 22.8KB transferred | Finish: 1.36s

in 12 states using an open source, UNIX-based content management system. He has given presentations all over the United States, and loves speaking to people.

Key Site Links

Pages you're probably looking for.

Teaching

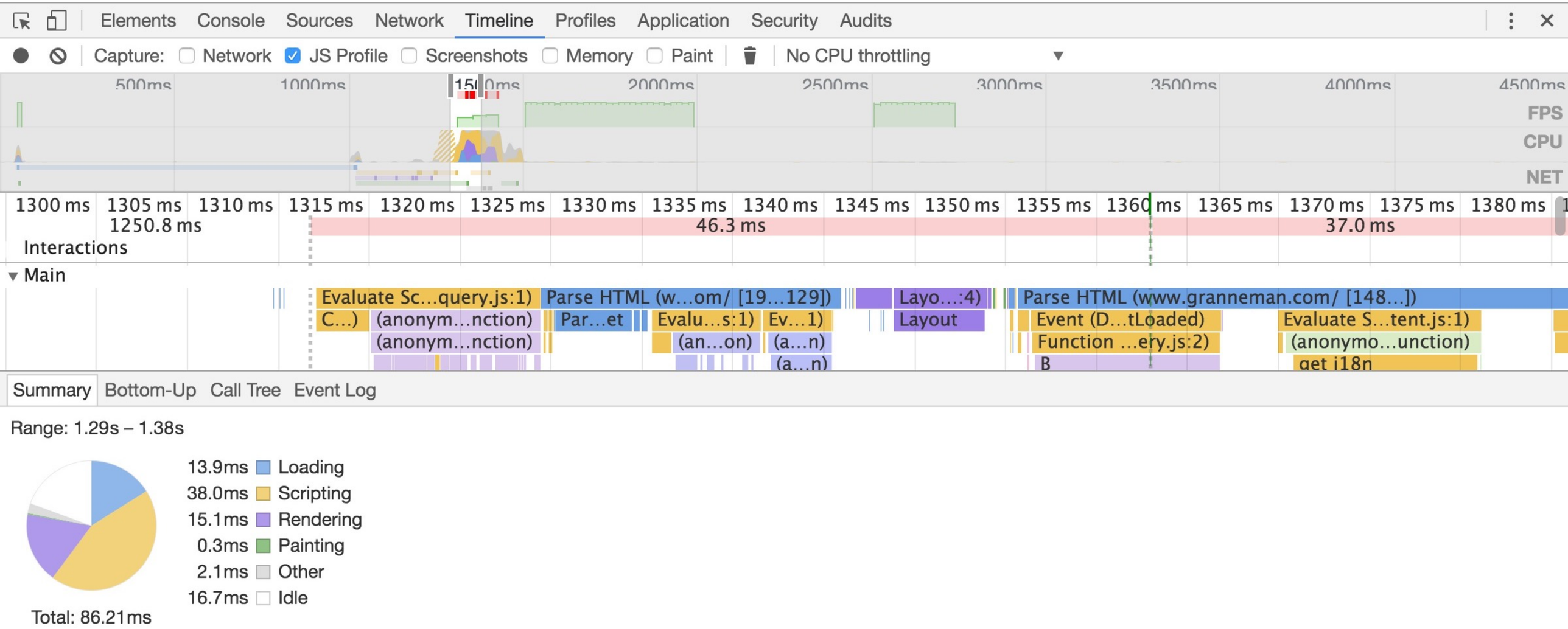


in 12 states using an open source, UNIX-based content management system. He has given presentations all over the United States, and loves speaking to people.

Key Site Links

Pages you're probably looking for.

Teaching



in 12 states using an open source, UNIX-based content management system. He has given presentations all over the United States, and loves speaking to people.

Key Site Links

Pages you're probably looking for.

Teaching

Elements Console Sources Network Timeline Profiles Application Security Audits

Application
- Manifest
- Service Workers
- Clear storage

Storage
- Local Storage
- Session Storage
- IndexedDB
- Web SQL
- Cookies

Cache
- Cache Storage
- Application Cache

Frames
- top

App Manifest

Identity

Add to homescreen

Name

Short name

Presentation

Start URL

Theme color

Background color

Orientation

Display

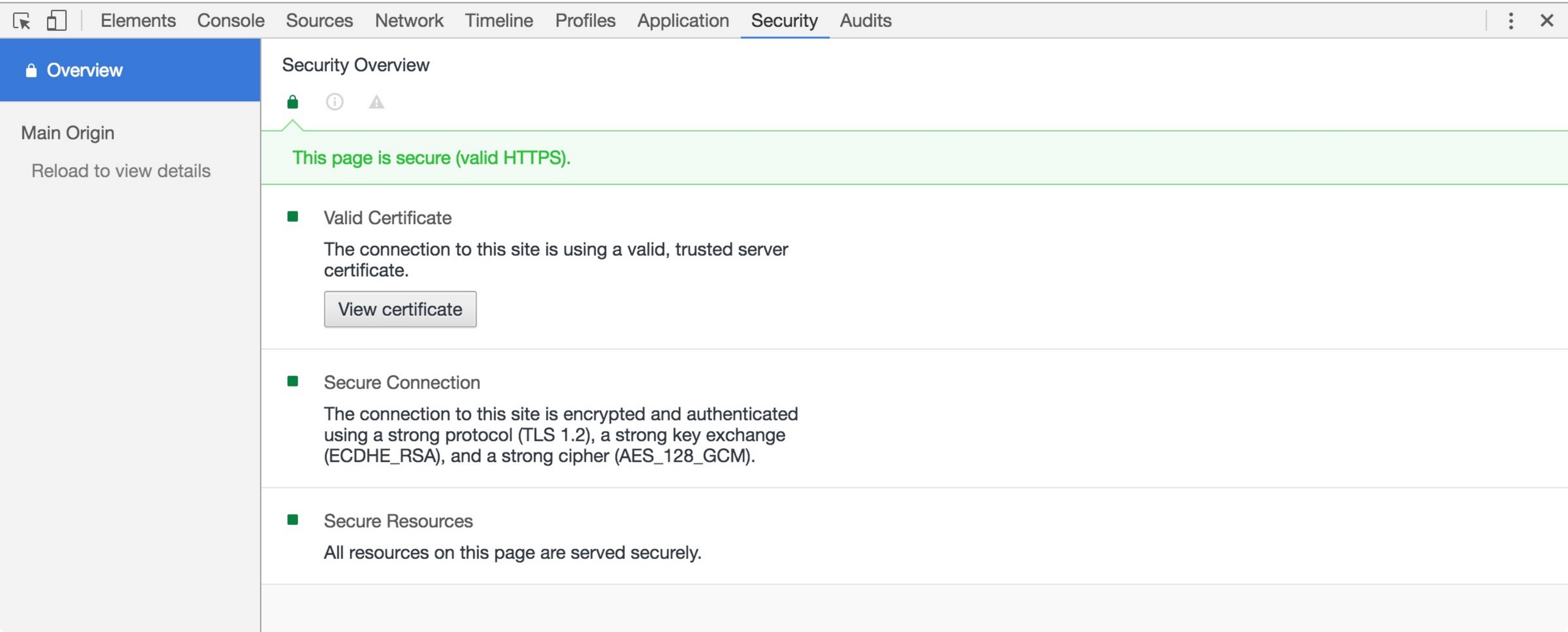
Icons

in 12 states using an open source, UNIX-based content management system. He has given presentations all over the United States, and loves speaking to people.

Key Site Links

Pages you're probably looking for.

Teaching

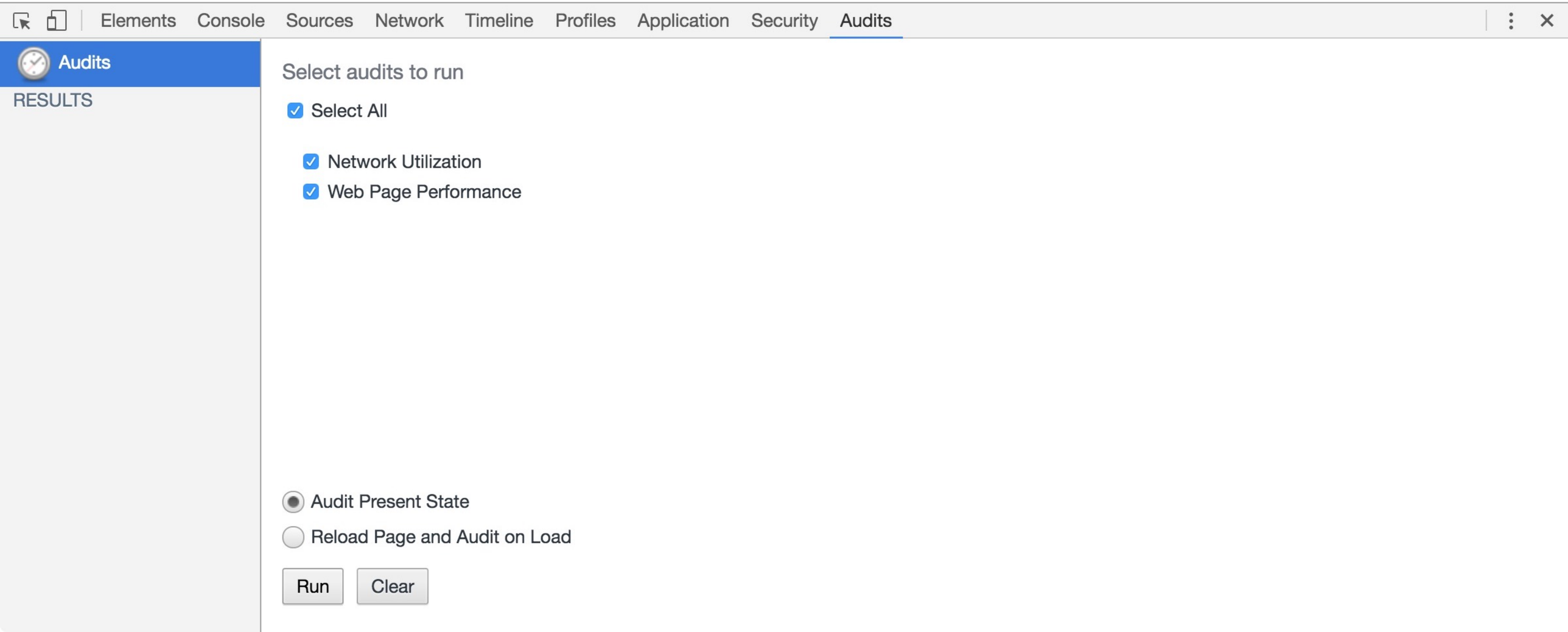


in 12 states using an open source, UNIX-based content management system. He has given presentations all over the United States, and loves speaking to people.

Key Site Links

Pages you're probably looking for.

Teaching



in 12 states using an open source, UNIX-based content management system. He has given presentations all over the United States, and loves speaking to people.

Key Site Links

Pages you're probably looking for.

Teaching

Elements Console Sources Network Timeline Profiles Application Security Audits

Audits

RESULTS

https://www.granneman

Network Utilization

- Combine external CSS (5)
- Combine external JavaScript (5)
- Leverage browser caching (13)
- Minimize cookie size
- Serve static content from a cookieless domain (6)

Web Page Performance

- Optimize the order of styles and scripts (5)
- Remove unused CSS rules (1390)

in 12 states using an open source, UNIX-based content management system. He has given presentations all over the United States, and loves speaking to people.

Key Site Links

Pages you're probably looking for.

Teaching

Elements Console Sources Network Timeline Profiles Application Security Audits

Audits

RESULTS

https://www.granneman

Network Utilization

- Combine external CSS (5)
- Combine external JavaScript (5)
- Leverage browser caching (13)
- Minimize cookie size
- Serve static content from a cookieless domain (6)

Web Page Performance

- Optimize the order of styles and scripts (5)

  The following external CSS files were included after an external JavaScript file in the document head. To ensure CSS files are downloaded in parallel, always

  ccm.base.css
  view.css
  bootstrap.css
  main.css
  conversion.css

- Remove unused CSS rules (1390)

  1390 rules (91%) of CSS not used by the current page.

  - ccm.base.css: 100% is not used by the current page.
  - bootstrap.css: 93% is not used by the current page.
  - conversion.css: 84% is not used by the current page.
  - main.css: 73% is not used by the current page.

Scott Granneman

Writing Presentations Teaching Web Dev Tech Personal Site Map Search

Scott Granneman is an author, educator, & partner in a Web development company in St. Louis, Missouri. Scott has written six books, contributed to two, and penned monthly columns for SecurityFocus and *Linux Magazine*. He is an Adjunct Professor at Washington University in St. Louis & Webster University, teaching courses on technology, security, web development, & the Internet. As a Principal of WebSanity, he plans, develops, and hosts websites for clients in 12 states using an open source, UNIX-based content management system. He has given presentations all over the United States, and loves speaking to people.

Elements Console Sources Network Timeline Profiles Application Security Audits 300

```
<!DOCTYPE html>
<html lang="en" class=" cID-1 js no-touch">
▶ <head>…</head>
▼ <body id="toc-top" class="cID-1"> == $0
  ▶ <div id="wrap">…</div>
  ▶ <footer>…</footer>
    <a href="/websanity-top-secret" style="display:none">WebSanity Top Secret</a>
  ▶ <script type="text/javascript">…</script>
  </body>
</html>
```

Styles Computed Event Listeners »

Filter :hov .cls +

```
element.style {
}
body {                                  main.css:408
  font-family: "Source Sans Pro",
    "Lucida Grande", Lucida,
    Verdana, sans-serif;
}
html, body {                            main.css:262
  height: 100%;
}
body {                                  main.css:19
  font-size: 1.1em;
```

Toggle Device Toolbar (⌘⇧M/Ctrl+Shift+M)

html.cID-1.js.no-touch body#toc-top.cID-1

iPhone 6 ▼ 375 × 667 69% ▼

Scott Granneman

Home

Scott Granneman is an author, educator, & partner in a Web development company in St. Louis, Missouri. Scott has written six books, contributed to two, and penned monthly columns for SecurityFocus and *Linux Magazine*. He is an Adjunct Professor at Washington University in St. Louis & Webster University, teaching courses on technology, security, web development, & the Internet. As a Principal of WebSanity, he plans, develops, and hosts websites for clients in 12 states using an open source, UNIX-based content management system. He has given presentations all over the United States, and loves speaking to people.

Elements Console Sources Network Timeline Profiles Application Security Audits

```
<!DOCTYPE html>
<html lang="en" class=" cID-1 js touch"> == $0
  <head>…</head>
  <body id="toc-top" class="cID-1">…</body>
</html>
```

html.cID-1.js.touch

Styles Computed Event Listeners »

Filter :hov .cls +

```
element.style {
}
```

iPhone 6 ▼ 375 × 667 100% ▼

Scott Granneman

Home

Scott Granneman is an author, educator, & partner in a Web development company in St. Louis, Missouri. Scott has written six books, contributed to two, and penned monthly columns for SecurityFocus and *Linux Magazine*. He is an Adjunct Professor at Washington University in St. Louis & Webster University, teaching courses on technology,

Elements Console Sources Network Timeline Profiles Application Security Audits

```
<!DOCTYPE html>
<html lang="en" class=" cID-1 js touch"> == $0
  <head>…</head>
  <body id="toc-top" class="cID-1">…</body>
</html>
```

html.cID-1.js.touch

Styles Computed Event Listeners »

Filter :hov .cls +

```
element.style {
}
```

iPhone 6 ▼ 667 × 375 100% ▼

Scott Granneman

Home

Scott Granneman is an author, educator, & partner in a Web development company in St. Louis, Missouri. Scott has written six books, contributed to two, and penned monthly columns for SecurityFocus and *Linux Magazine*. He is an Adjunct Professor at

Elements Console Sources Network Timeline Profiles Application Security Audits

```
<!DOCTYPE html>
<html lang="en" class=" cID-1 js touch"> == $0
  <head>…</head>
  <body id="toc-top" class="cID-1">…</body>
</html>
```

html.cID-1.js.touch

Styles Computed Event Listeners »

Filter :hov .cls +

```
element.style {
}
```

iPad ▼ 768 × 1024 45% ▼

Scott Granneman

Writing Presentations Teaching Web Dev Tech Personal

Site Map Search

Scott Granneman is an author, educator, & partner in a Web development company in St. Louis, Missouri. Scott has written six books, contributed to two, and penned monthly columns for SecurityFocus and *Linux Magazine*. He is an Adjunct Professor at Washington University in St. Louis & Webster University, teaching courses on technology, security, web development, & the Internet. As a Principal of WebSanity, he plans, develops, and hosts websites for clients in 12 states using an open source, UNIX-based content management system. He has given presentations all over the United States, and loves speaking to people.

Key Site Links

Pages you're probably looking for.

Teaching

- Web Development Key Links
- Wash U: Website Design & Development Syllabus
- Webster U (Comp Sci): Intro to Web Programming Syllabus
- Webster U (Comp Sci): Intro to Web Programming Syllabus (8-Week)
- Webster U (Comp Sci): Cascading Style Sheets

Personal

- Publications
- Summer Vacation 2007: The Plains

Contact

Email scott@granneman.com

Voice 314-780-0489

All content, unless under a Creative Commons license, is © 1997-2016 Scott Granneman.

Elements Console Sources Network Timeline Profiles Application Security Audits

```
<!DOCTYPE html>
<html lang="en" class=" cID-1 js touch"> == $0
  <head>…</head>
  <body id="toc-top" class="cID-1">…</body>
</html>
```

html.cID-1.js.touch

Styles Computed Event Listeners »

Filter :hov .cls +

```
element.style {
}
```

Responsive ▼ 1024 × 460 100% ▼

Show device frame
Show media queries
Show rulers
Add device pixel ratio
Add device type
Add network throttling
Capture screenshot
Reset to defaults
Services ▶

Scott Granneman

Writing Presentations Teaching Web Dev Tech Personal Site Map Search

Scott Granneman is an author, educator, & partner in a Web development company in St. Louis, Missouri. Scott has written six books, contributed to two, and penned monthly columns for SecurityFocus and *Linux Magazine*. He is an Adjunct Professor at Washington University in St. Louis & Webster University, teaching courses on technology, security, web development, & the Internet. As a Principal of WebSanity, he plans, develops, and hosts websites for clients in 12 states using an open source, UNIX-based content management system. He has given presentations all over the United States, and loves speaking to people.

Key Site Links

Pages you're probably looking for.

Elements Console Sources Network Timeline Profiles Application Security Audits

```
<!DOCTYPE html>
<html lang="en" class=" cID-1 js touch"> == $0
  ▶ <head>…</head>
  ▶ <body id="toc-top" class="cID-1">…</body>
</html>
```

html.cID-1.js.touch

Styles Computed Event Listeners »

Filter :hov .cls +

```
element.style {
}
```

Responsive ▼ 768 × 1022 45% ▼

Laptop L – 1440px

Scott Granneman

Writing Presentations Teaching Web Dev Tech Personal

Site Map Search

Scott Granneman is an author, educator, & partner in a Web development company in St. Louis, Missouri. Scott has written six books, contributed to two, and penned monthly columns for SecurityFocus and *Linux Magazine*. He is an Adjunct Professor at Washington University in St. Louis & Webster University, teaching courses on technology, security, web development, & the Internet. As a Principal of WebSanity, he plans, develops, and hosts websites for clients in 12 states using an open source, UNIX-based content management system. He has given presentations all over the United States, and loves speaking to people.

Key Site Links

Pages you're probably looking for.

Teaching

- Web Development Key Links
- Wash U: Website Design & Development Syllabus
- Webster U (Comp Sci): Intro to Web Programming Syllabus
- Webster U (Comp Sci): Intro to Web Programming Syllabus (8-Week)
- Webster U (Comp Sci): Cascading Style Sheets

Personal

- Publications
- Summer Vacation 2007: The Plains

Contact

Email scott@granneman.com

Voice 314-780-0489

All content, unless under a Creative Commons license, is © 1997-2016 Scott Granneman.

Elements Console Sources Network Timeline Profiles Application Security Audits

```
<!DOCTYPE html>
<html lang="en" class=" cID-1 js touch"> == $0
  <head>…</head>
  <body id="toc-top" class="cID-1">…</body>
</html>
```

html.cID-1.js.touch

Styles Computed Event Listeners »

Filter :hov .cls +

```
element.style {
}
```

Responsive ▼ 1440 x 575 80% ▼

Scott Granneman

Writing Presentations Teaching Web Dev Tech Personal Site Map Search

Scott Granneman is an author, educator, & partner in a Web development company in St. Louis, Missouri. Scott has written six books, contributed to two, and penned monthly columns for SecurityFocus and *Linux Magazine*. He is an Adjunct Professor at Washington University in St. Louis & Webster University, teaching courses on technology, security, web development, & the Internet. As a Principal of WebSanity, he plans, develops, and hosts websites for clients in 12 states using an open source, UNIX-based content management system. He has given presentations all over the United States, and loves speaking to people.

Key Site Links

Pages you're probably looking for.

Teaching

- Web Development Key Links
- Wash U: Website Design & Development Syllabus
- Webster U (Comp Sci): Intro to Web Programming Syllabus

Elements Console Sources Network Timeline Profiles Application Security Audits

```
<!DOCTYPE html>
<html lang="en" class=" cID-1 js touch"> == $0
  <head>…</head>
  <body id="toc-top" class="cID-1">…</body>
</html>
```

html.cID-1.js.touch

Styles Computed Event Listeners »

Filter :hov .cls +

```
element.style {
}
```

- Getting Started
- Chrome DevTools
  - Overview
  - Configure and Customize DevTools
  - Debug Progressive Web Apps
  - Understand Security Issues
  - Inspect and Edit Pages and Styles
    - Overview
    - Edit Styles
    - Inspect Animations
    - Edit the DOM
    - Keyboard and UI Shortcuts Reference
  - Inspect and Manage Storage, Caches, and Resources
  - Simulate Mobile Devices with Device Mode

Keyboard and UI Shortcuts Reference

Contents

Accessing DevTools
Global keyboard shortcuts
Mouse shortcuts by Panel
Elements
...

By Meggin Kearney
Meggin is a Tech Writer

By Kayce Basques
Technical Writer at Google

Chrome DevTools has several built-in shortcut keys that can save you time in your daily workflows.

This guide provides a quick reference to each shortcut available in Chrome DevTools. While some shortcuts are available globally, others are specific to a single panel, and are broken up based on where it can be used.

You can also find shortcuts in tooltips. Hover over an element to display its tooltip. If the element has a shortcut, the tooltip will include it.

- Getting Started
- Chrome DevTools
  - Overview
  - Configure and Customize DevTools
  - Debug Progressive Web Apps
  - Understand Security Issues
  - Inspect and Edit Pages and Styles
    - Overview
    - Edit Styles
    - Inspect Animations
    - Edit the DOM
    - Keyboard and UI Shortcuts Reference
  - Inspect and Manage Storage, Caches, and Resources
  - Simulate Mobile Devices with Device Mode
  - Remote Debugging Android Devices
  - Inspect and Debug JavaScript
  - Using the Console
  - How to Look at Performance
  - Analyze Runtime Performance
  - Measure Network Performance

Accessing DevTools

To access the DevTools, on any web page or app in Google Chrome:

- Open the **Chrome menu** at the top-right of your browser window, then select **Tools > Developer Tools**.
- Right-click on any page element and select **Inspect Element**.

On the keyboard:

Access DevTools	On Windows	On Mac
Open Developer Tools	`F12`, `Ctrl + Shift + I`	`Cmd + Opt + I`
Open / switch from inspect element mode and browser window	`Ctrl + Shift + C`	`Cmd + Shift + C`
Open Developer Tools and bring focus to the console	`Ctrl + Shift + J`	`Cmd + Opt + J`
Inspect the Inspector (undock first one and press)	`Ctrl + Shift + I`	`Cmd + Opt + I`

Global keyboard shortcuts

The following keyboard shortcuts are available in all DevTools panels:

Global Shortcut	Windows	Mac
Show General Settings dialog	`?`, `F1`	`?`

Local Testing

L	inux	Operating system
A	pache	Web server
M	ySQL	Database
	erl	
P	HP	Programming language
	ython	

W	indows	Operating system
A	pache	Web server
M	ySQL	Database
	erl	Programming language
P	HP	
	ython	

m	acOS	Operating system
A	pache	Web server
M	ySQL	Database
	erl	Programming language
P	HP	
	ython	

It would be very useful to run L/W/MAMP locally on your computer

However, you do *not* want to install, set up, & configure everything by hand

XAMPP Apache + MariaDB + PHP + Perl

What is XAMPP?

XAMPP is the most popular PHP development environment

XAMPP is a completely free, easy to install Apache distribution containing MariaDB, PHP, and Perl. The XAMPP open source package has been set up to be incredibly easy to install and to use.

Download
Click here for other versions

XAMPP for **Windows**
v5.6.19 (PHP 5.6.19)

XAMPP for **Linux**
v5.6.19 (PHP 5.6.19)

XAMPP for **OS X**
v5.6.19 (PHP 5.6.19)

XAMPP Add-ons

Applications

Install your favorite apps on top of XAMPP. Bitnami provides a free all-in-one tool to install Drupal, Joomla!, WordPress and many other popular open source apps on top of XAMPP.

WordPress
Blog

Joomla!
CMS

CMS Made Simple
CMS

Drupal
CMS

Add-ons and Themes

- Applications
- Themes and other add-ons

Installing an App on XAMPP

See how easy it is to install your favorite apps with XAMPP:

Purpose		
Web Server	Apache	Apache
Database	MariaDB	MariaDB
Database GUI	phpMyAdmin	phpMyAdmin
Language	PHP	PHP
HTTPS	OpenSSL	OpenSSL
Log Analysis	Webalizer	Webalizer
FTP Server	FileZilla FTP Server	ProFTPD
Sending Mail	Mercury Mail Transport System	sendmail

XAMPP Control Panel, Tomcat, Strawberry Perl

SQLite, Perl, GD, Freetype2, libpng, gdbm, zlib, expat, Sablotron, libxml, Ming, pdf class, ncurses, mod_perl, FreeTDS, gettext, IMAP C-Client, OpenLDAP (client), mcrypt, mhash, cURL, libxslt, libapreq, FPDF, ICU4C Library, APR, APR-utils

Device Testing

BrowserStack

Test websites on a huge range of browsers on platforms

www.browserstack.com

$12.50/month & up

BrowserStack Live Automate Screenshots Responsive Docs Help Account

	IE		Firefox		Chrome		Opera		Yandex	Safari
Android	11 Latest	40 Aurora	23	7	44 Dev	28	30 Dev	12.16	14.12 Latest	5.1 Latest
Windows Phone	10	38 Latest	22	6	43 Latest	27	29 Latest	12.15		5
iOS	9	37	21	5	42	26	28	12.14		4
Windows 10	8	36	20	4	41	25	27	12.10		
Windows 8.1		35	19	3.6	40	24	26	11.6		
Windows 8		34	18	3	39	23	25	11.5		
Windows 7		33	17		38	22	24	11.1		
Windows XP		32	16		37	21	23	10.6		
OS X Yosemite		31	15		36	20	22			
OS X Mavericks		30	14		35	19	21			
OS X Mountain Lion		29	13		34	18	20			
OS X Lion		28	12		33	17	19			
OS X Snow Leopard		27	11		32	16	18			
		26	10		31	15	17			
		25	9		30	14	16			
		24	8		29		15			

BrowserStack Live Automate Screenshots Responsive Monitor size: 15.4" Pricing Account

Note: Set your monitor size in the 'Monitor Size' settings (top right corner of the screen), to view devices at their actual size.

Responsive Design Testing across Devices

Generate screenshots at actual device sizes on iOS, Android, OS X & Windows

http://www.stlzoo.org View

Enable Local Testing Learn more about local testing

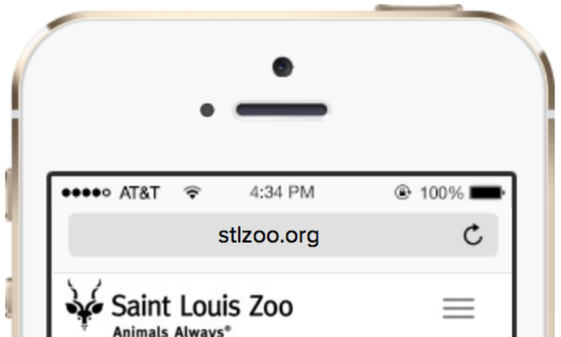
iPhone 5S	Galaxy S5 Mini	Galaxy S5	Galaxy Note 3	iPhone 6	Google Nexus 4	iPhone 6 Plus	Kindle Fire HDX 7	iPad Mini 2	iPad Air
320x568	360x640	360x640	360x640	375x667	384x640	414x736	600x960	768x1024	768x1024
7.0	4.4	4.4	4.3	8.3	4.2	8.3	4.3	8.3	8.3

iPhone 5S

Viewport: **320x568**
Screen size: **4"**

Portrait Landscape Live Interactive Testing

← Previous Next →



BEST VALUE

Live

$29 / month

(billed annually)

or $39 month-to-month

1 parallel test (1 user)

What are parallel tests?

Choose

- Unlimited Live
- Unlimited Screenshots
- Responsive testing

Automate

$59 / month

(billed annually)

or $79 month-to-month

1 parallel test (1 user)

- 1 parallel test (1 user)
- 2 parallel tests (Up to 5 users)
- 4 parallel tests (Up to 10 users)
- 10 parallel tests (Up to 25 users)
- 25 parallel tests (Up to 50 users)
- 25+ parallel tests

- 500 Screenshots via API

You also get:

- **1 Live parallel test**

Automate Pro

$99 / month

(billed annually)

or $129 month-to-month

1 parallel test (1 user)

What are parallel tests?

Choose

- Unlimited Live
- Unlimited Screenshots
- Responsive testing
- Unlimited Automate
- Unlimited Screenshots via API

You also get:

- **1 Live parallel test**

Freelancer and Open Source plans

$12.50/mo for Freelancers *

100 minutes of Live. Only 1 user/account. $12.50/mo billed annually. $19 month-to-month.

* Screenshots not included.

Choose

Free for Open Source

We love open source projects. Choose any of our plans. Contact us with details of your project.

Contact us

All plans include

- Real Android and iOS devices for Live
- Local testing
- Native browser behaviour
- Team management
- Uncompromising security
- 1000+ real desktop browsers
- Range of display resolutions
- Pre-installed developer tools
- 99.99% uptime
- Expert tech support & documentation

Hosting

Operating System

I recommend Linux as the operating system for web & database servers

Other versions of UNIX are good too

If you have to use Windows, then use it

UNIX Background

UNIX invented in 1969

Certain principles & goals from the beginning

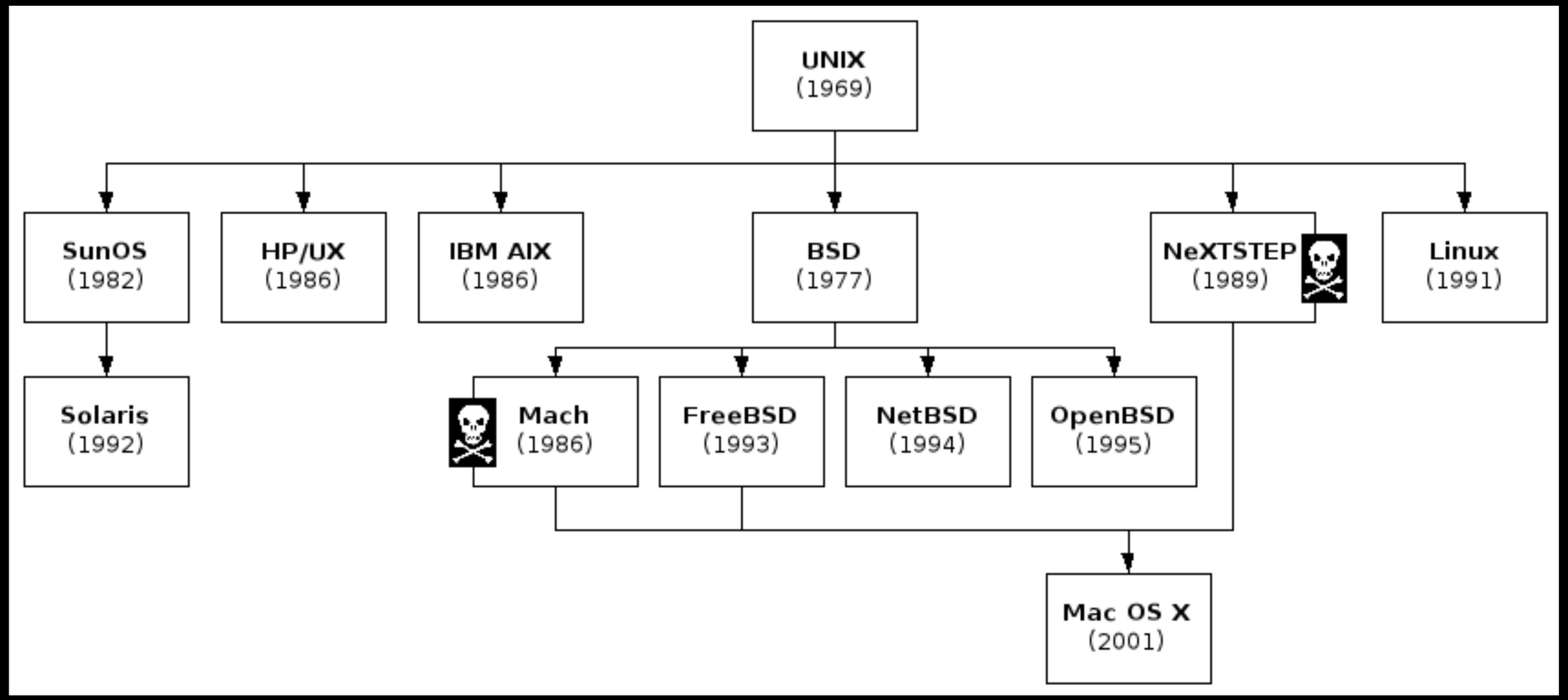
» Portable
» Multi-tasking
» Multi-user
» Open standards
» Plain-text ASCII files for data & configuration files
» Stability

UNIX advantages

- Powerful
- Stable
- Secure

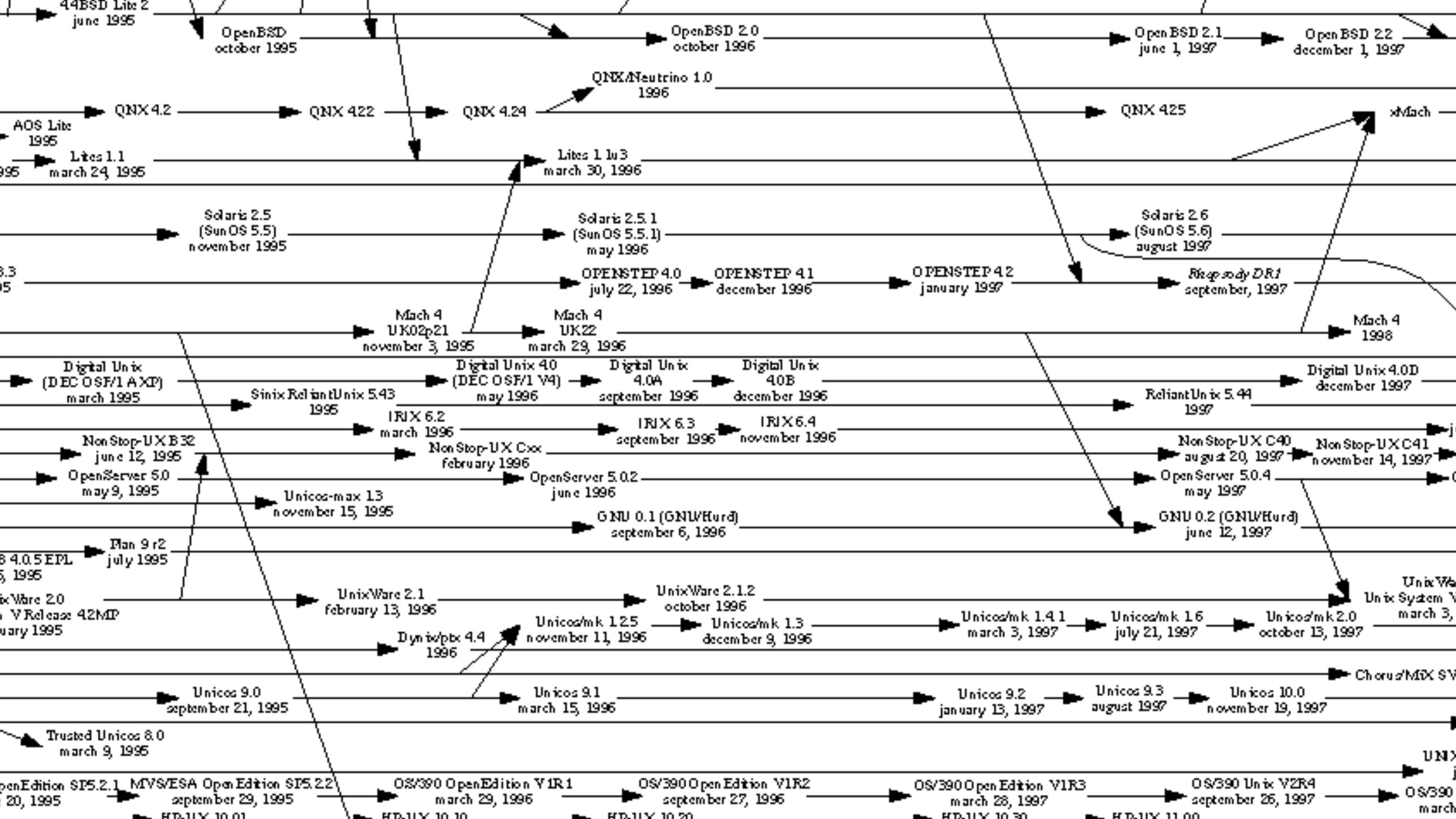
UNIX disadvantages

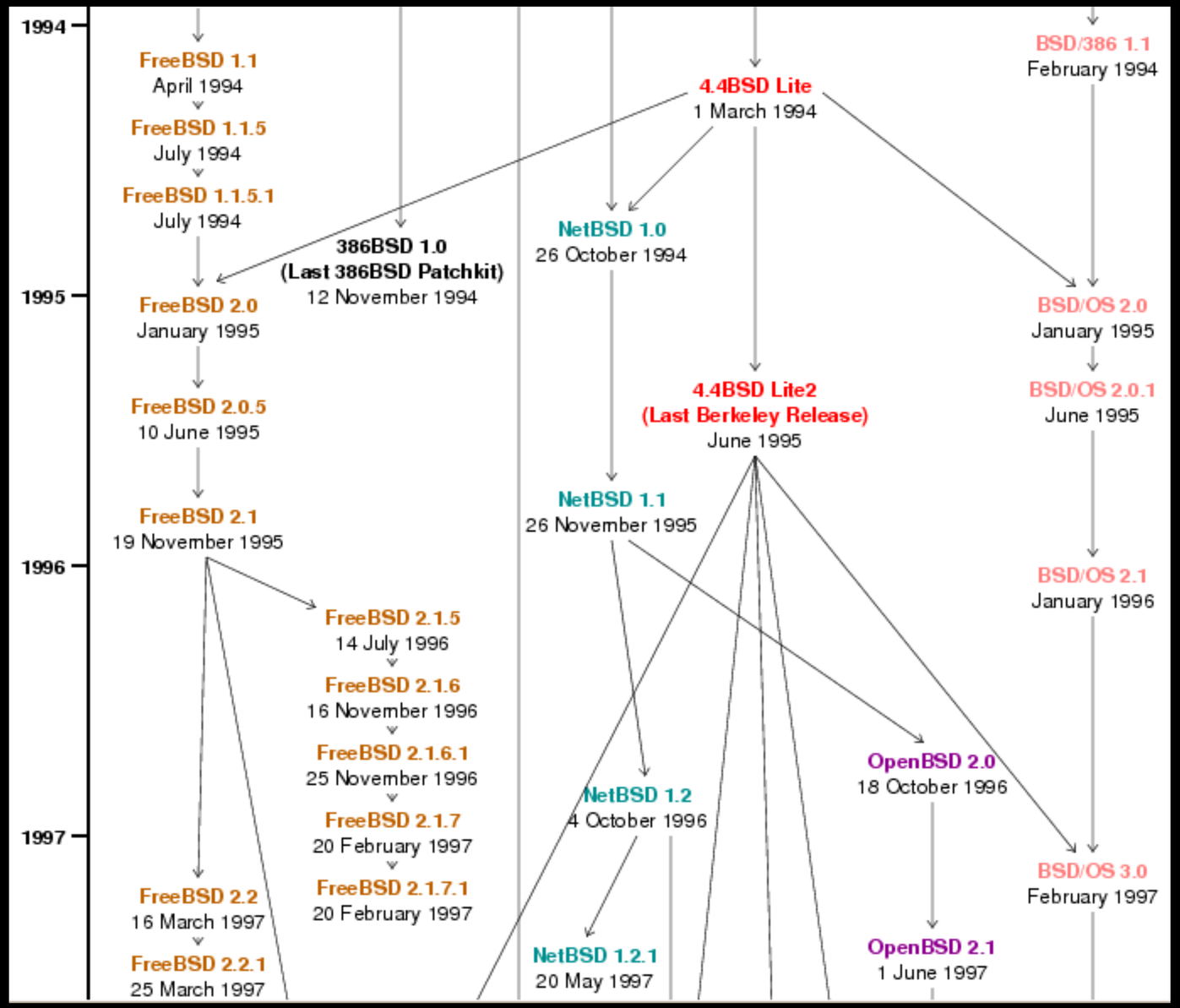
- Built by techies for techies
- Which UNIX ya talking about?



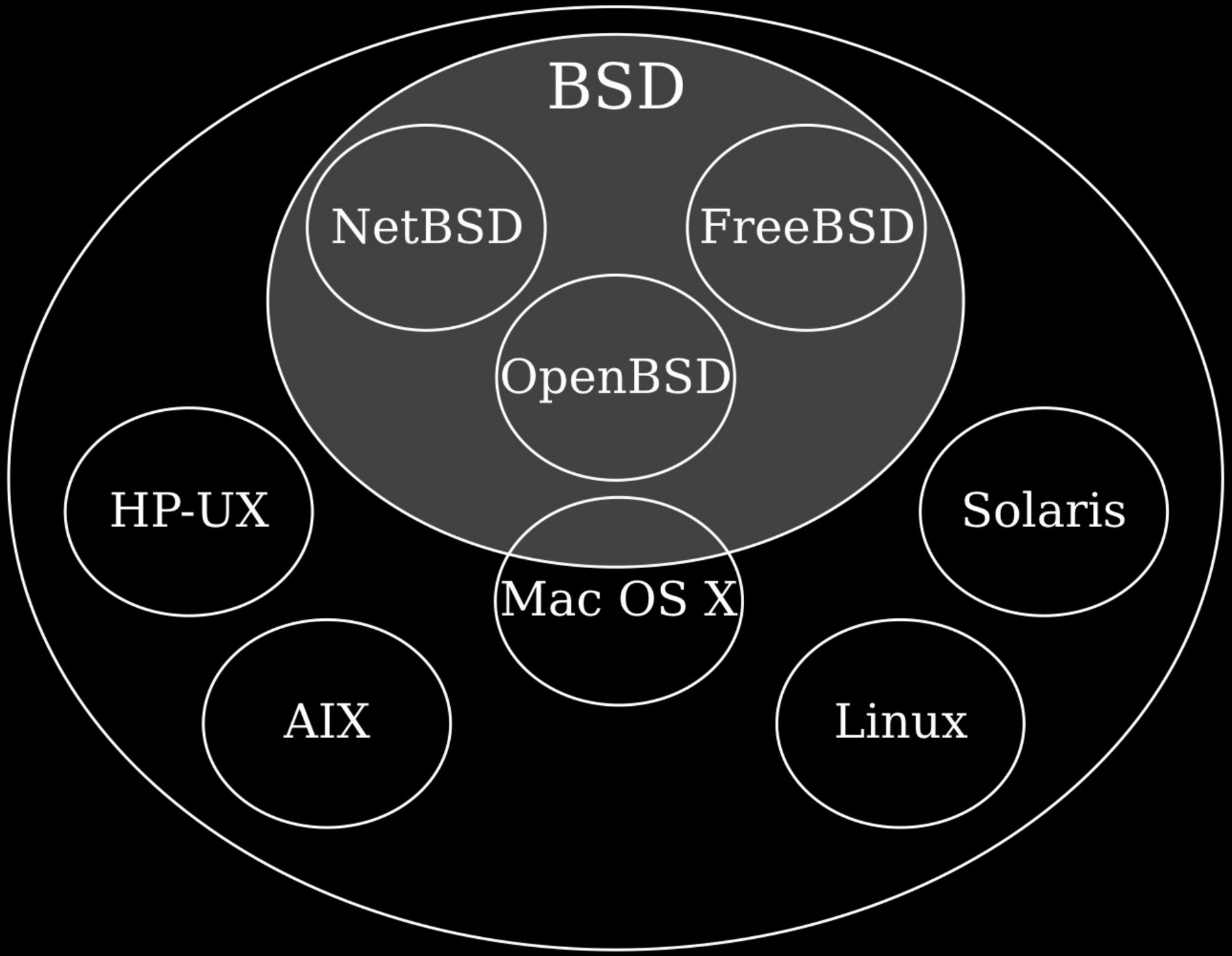
A vastly oversimplified UNIX family tree

All (except those indicated) are still used today


4.4BSD Lite 2
june 1995
OpenBSD
october 1995
OpenBSD 2.0
october 1996
OpenBSD 2.1
june 1, 1997
OpenBSD 2.2
december 1, 1997
QNX/Neutrino 1.0
1996
QNX 4.2
QNX 4.22
QNX 4.24
QNX 4.25
xMach
AOS Lite
1995
Lites 1.1
march 24, 1995
Lites 1.1u3
march 30, 1996
Solaris 2.5
(SunOS 5.5)
november 1995
Solaris 2.5.1
(SunOS 5.5.1)
may 1996
Solaris 2.6
(SunOS 5.6)
august 1997
OPENSTEP 4.0
july 22, 1996
OPENSTEP 4.1
december 1996
OPENSTEP 4.2
january 1997
Rhapsody DR1
september, 1997
Mach 4
UK02p21
november 3, 1995
Mach 4
UK22
march 29, 1996
Mach 4
1998
Digital Unix
(DEC OSF/1 AXP)
march 1995
Digital Unix 4.0
(DEC OSF/1 V4)
may 1996
Digital Unix
4.0A
september 1996
Digital Unix
4.0B
december 1996
Digital Unix 4.0D
december 1997
Sinix ReliantUnix 5.43
1995
ReliantUnix 5.44
1997
IRIX 6.2
march 1996
IRIX 6.3
september 1996
IRIX 6.4
november 1996
NonStop-UX B32
june 12, 1995
NonStop-UX Cxx
february 1996
NonStop-UX C40
august 20, 1997
NonStop-UX C41
november 14, 1997
OpenServer 5.0
may 9, 1995
OpenServer 5.0.2
june 1996
OpenServer 5.0.4
may 1997
Unicos-max 1.3
november 15, 1995
GNU 0.1 (GNU/Hurd)
september 6, 1996
GNU 0.2 (GNU/Hurd)
june 12, 1997
Plan 9 r2
july 1995
UnixWare 2.0
V Release 4.2MP
uary 1995
UnixWare 2.1
february 13, 1996
UnixWare 2.1.2
october 1996
Unicos/mk 1.2.5
november 11, 1996
Unicos/mk 1.3
december 9, 1996
Unicos/mk 1.4.1
march 3, 1997
Unicos/mk 1.6
july 21, 1997
Unicos/mk 2.0
october 13, 1997
Dynix/ptx 4.4
1996
Chorus/MiX
Unicos 9.0
september 21, 1995
Unicos 9.1
march 15, 1996
Unicos 9.2
january 13, 1997
Unicos 9.3
august 1997
Unicos 10.0
november 19, 1997
Trusted Unicos 8.0
march 9, 1995
MVS/ESA OpenEdition SP5.2.2
september 29, 1995
OS/390 OpenEdition V1R1
march 29, 1996
OS/390 OpenEdition V1R2
september 27, 1996
OS/390 OpenEdition V1R3
march 28, 1997
OS/390 Unix V2R4
september 26, 1997



BSD, 1994-1997


BSD
NetBSD
FreeBSD
OpenBSD
HP-UX
Solaris
Mac OS X
AIX
Linux

Linux

Invented in 1991 by Linus Torvalds, a 21-year-old Finnish Computer Science student

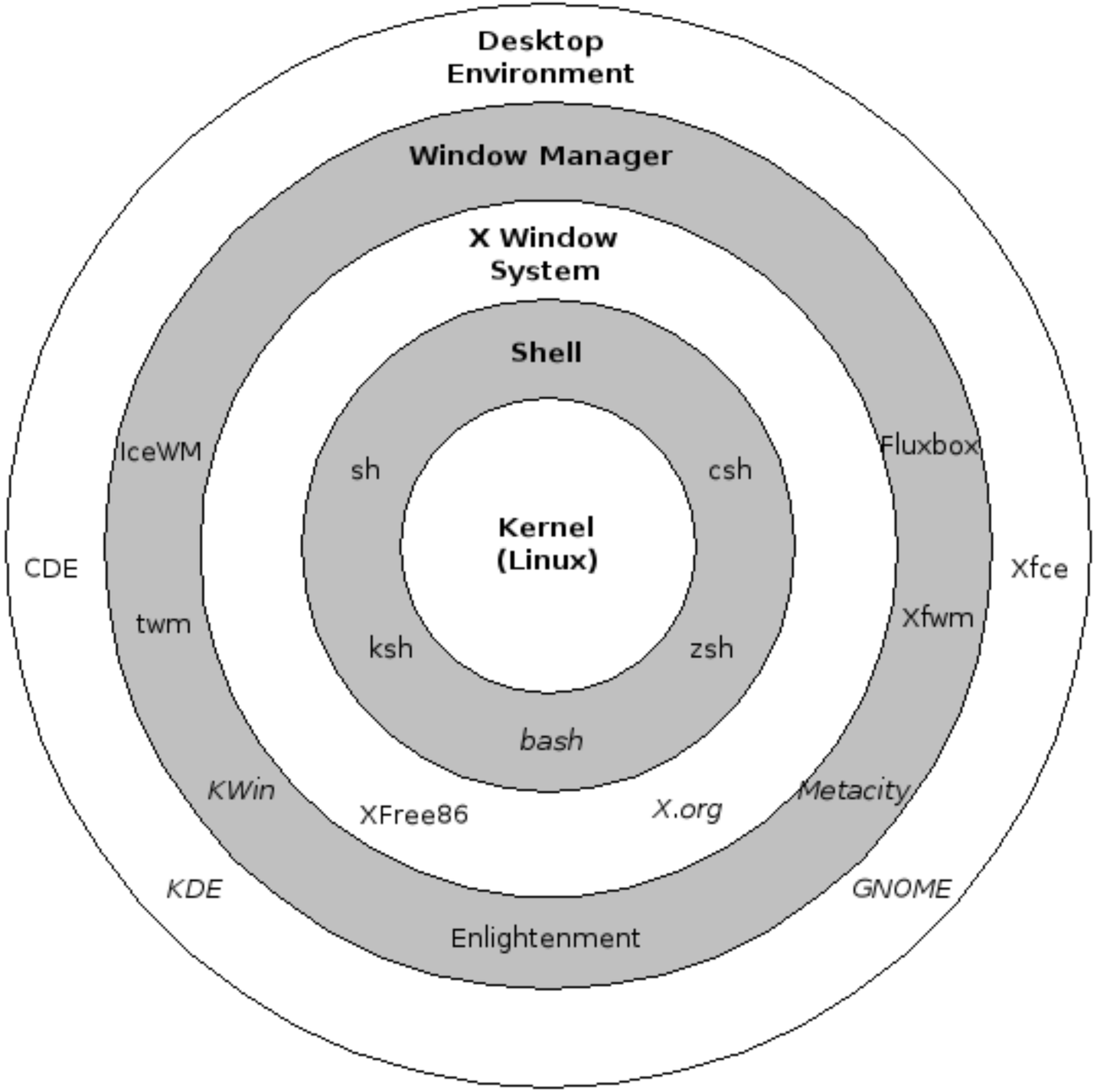
Linus wanted to run UNIX on his PC, but couldn’t afford an expensive license

So he wrote his own UNIX, just for fun

Let’s be clear about what Linux is, exactly

Linux is the kernel—that’s it

When used to describe the operating system “Linux” is more of a slang term, covering the kernel & all the things on top of it


Desktop Environment
Window Manager
X Window System
Shell
Kernel (Linux)
sh
csh
ksh
zsh
bash
IceWM
twm
KWin
Fluxbox
Xfwm
Metacity
CDE
KDE
Xfce
GNOME
XFree86
X.org
Enlightenment

When choosing a Linux, you are really choosing a distro (“distribution”)

A distro includes the Linux kernel &…

- GNU tools & libraries
- X Window System
- Window Manager(s)
- Desktop Environment(s)
- Additional software
- OS installer
- Software package management system

There are 100s of Linux distros!

Top Linux distros

Mint
Debian
Ubuntu
openSUSE
Fedora
Manjaro
Mageia
CentOS
Arch
Android-x86

Software

Ubuntu

Widely-used, versatile Linux distro

www.ubuntu.com/server

$0

Scale out with Ubuntu Server

The leading platform for scale-out computing, Ubuntu Server helps you make the most of your infrastructure. Whether you want to deploy an OpenStack cloud, a Hadoop cluster or a 50,000-node render farm, Ubuntu Server delivers the best value scale-out performance available.

Download Ubuntu Server

What's new in 14.04 LTS

FreeBSD

The most popular UNIX that’s not Linux or OS X

www.freebsd.org

$0 & open source

The FreeBSD Project

FreeBSD is an advanced computer operating system used to power modern servers, desktops, and embedded platforms. A large community has continually developed it for more than thirty years. Its advanced networking, security, and storage features have made FreeBSD the platform of choice for many of the busiest web sites and most pervasive embedded networking and storage devices.

Download FreeBSD

LATEST RELEASES

- Production: 10.3, 10.1, 9.3
- Upcoming: 11.0
- Support Lifecycle

New to FreeBSD?

SHORTCUTS

- Mailing Lists
- Reporting Problems
- FAQ
- Handbook
- Ports

» **Learn More**

» **Get the FreeBSD Journal**

LATEST NEWS

2016-04-04
FreeBSD 10.3-RELEASE Available

2016-03-20
FreeBSD 10.3-RC3 Available

2016-03-13

UPCOMING EVENTS

2016-01-21 - 2016-05-12
FreeBSD Kernel Internals: An Intensive Code Walkthrough (Berkeley, United States)

2016-06-08 - 2016-06-11
BSDCan 2016 (Ottawa, Canada)

PRESS

2015-10
Cascadia Community Builder Award recognizes FreeBSD contributor Michael Dexter

2015-07
Enabling FreeBSD on AArch64

SECURITY ADVISORIES

2016-03-16
FreeBSD-SA-16:15.sysarch

2016-03-16
FreeBSD-SA-16:14.openssh

2016-03-10
FreeBSD-SA-16:13.bind

Web Server

What & How

What’s a web server?

Both hardware & software

Software

A computer program that serves webpages to clients

Hardware

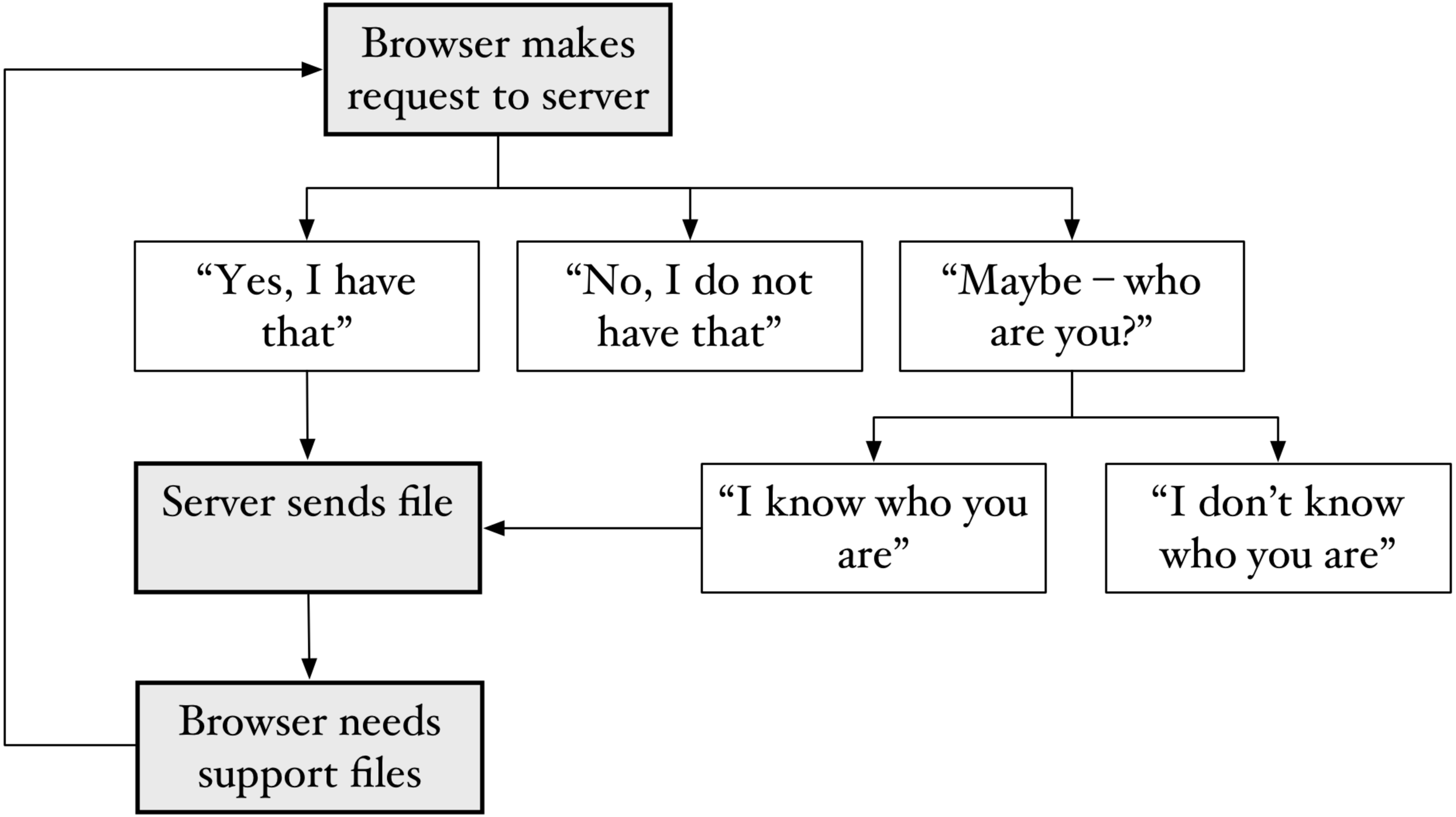
Computers that accept HTTP requests from clients (which don’t have to be Web browsers), & respond

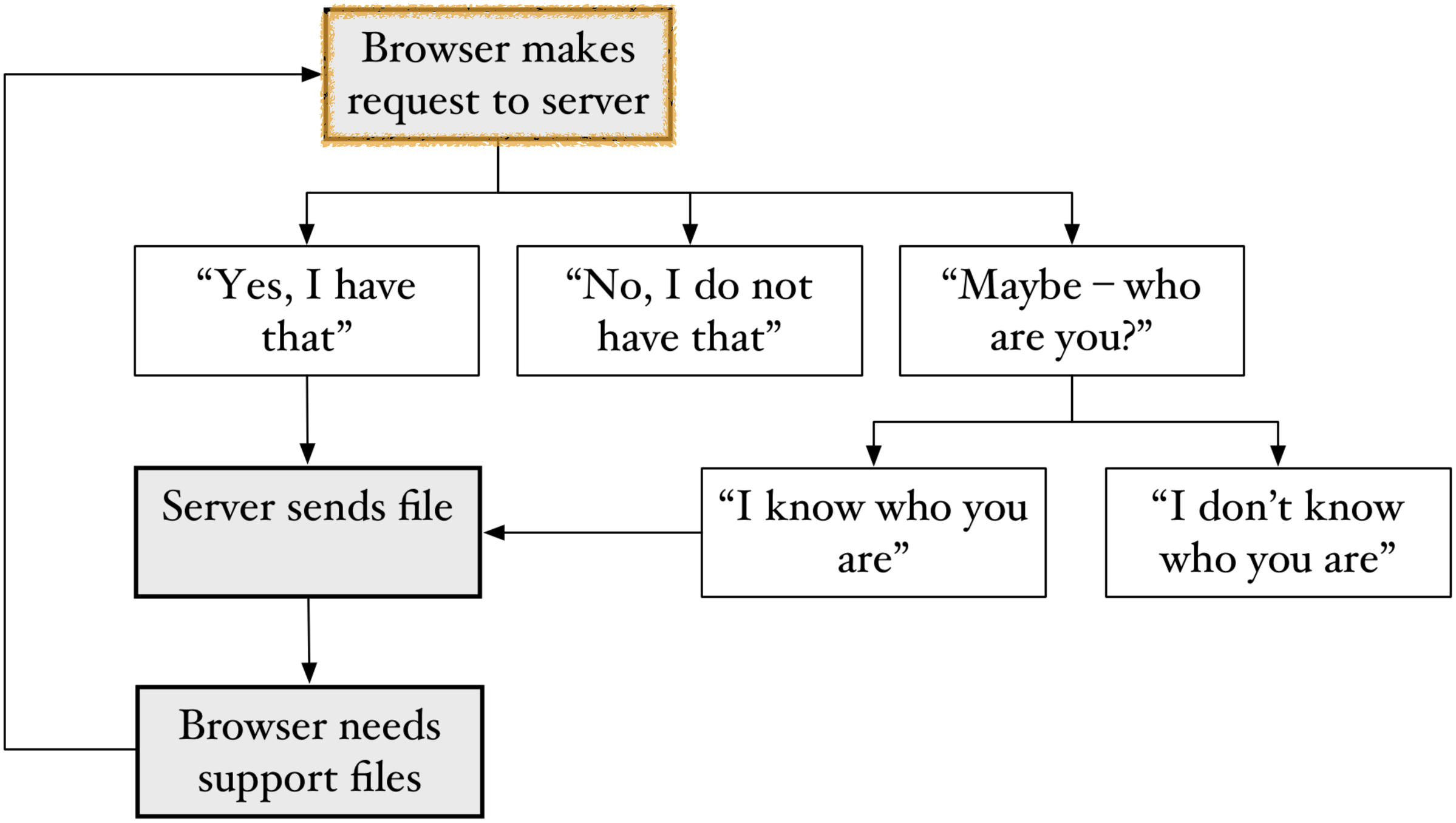
(Obviously the hardware is running the software)

How do web servers work?

“HTTP [the Hypertext Transfer Protocol] is the foundation of data communication for the World Wide Web. … HTTP is the protocol to exchange or transfer hypertext.” —Wikipedia

An HTTP *session* consists of a series of “hidden” network request-response transactions between the browser & web server


Browser makes request to server
"Yes, I have that"
"No, I do not have that"
"Maybe – who are you?"
Server sends file
"I know who you are"
"I don't know who you are"
Browser needs support files

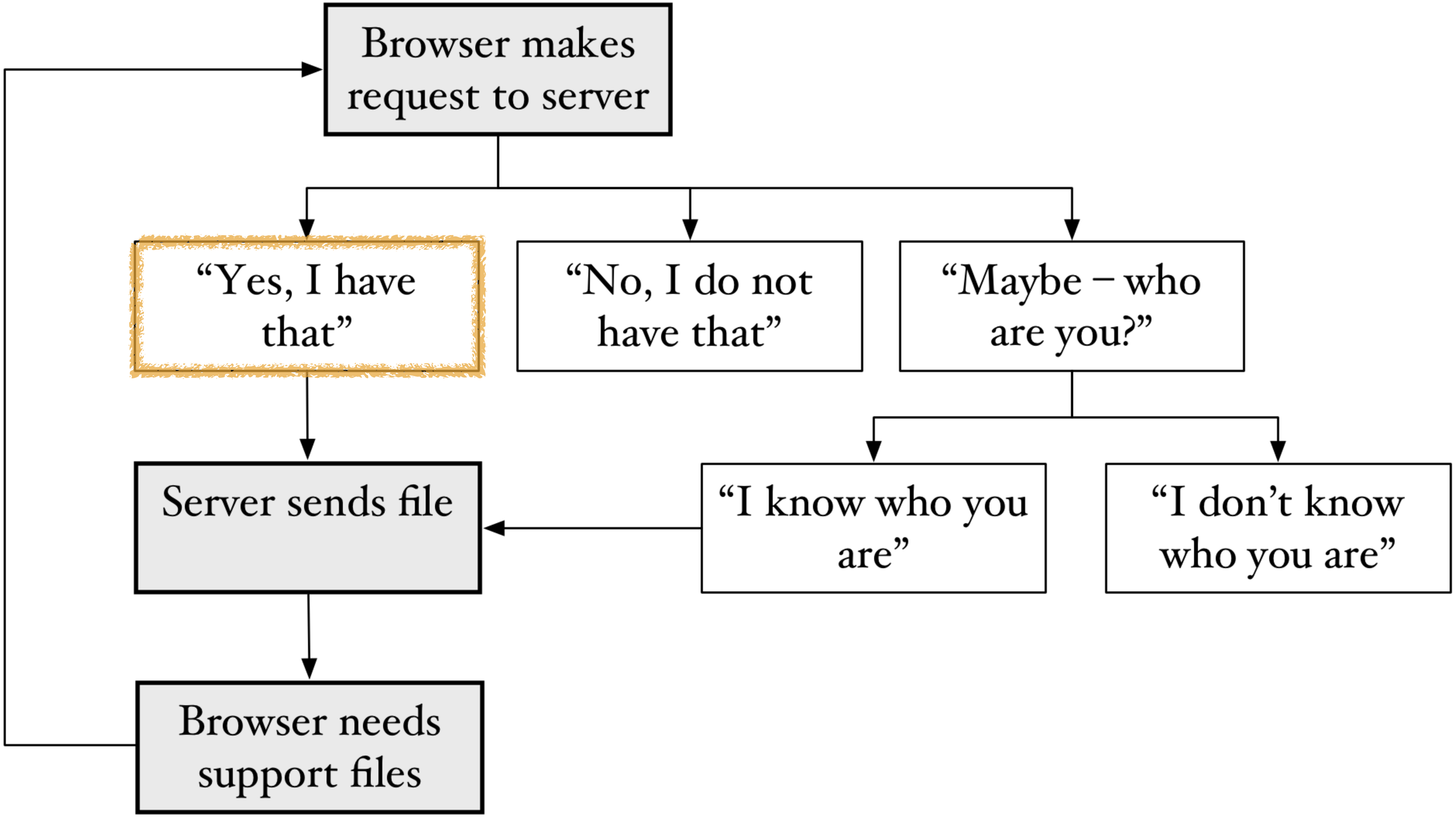

Browser makes request to server
"Yes, I have that"
"No, I do not have that"
"Maybe – who are you?"
Server sends file
"I know who you are"
"I don't know who you are"
Browser needs support files

You type `http://www.granneman.com/writing` into your browser & press Enter

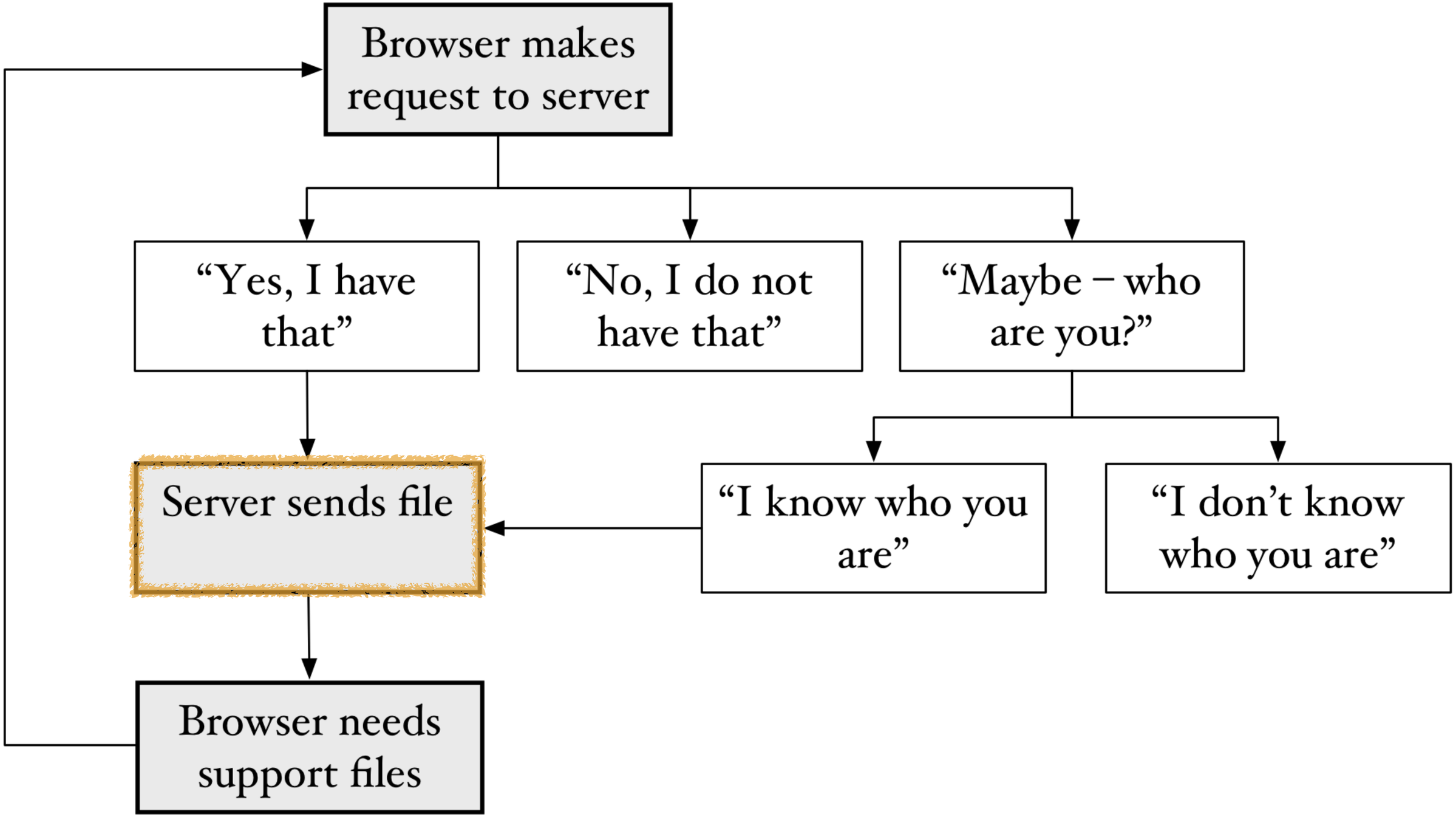
Your web browser sends a request to the web server

```
GET /writing/ HTTP/1.1
Host: www.granneman.com
User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS
X 10.11; rv:45.0) Gecko/20100101 Firefox/45.0
Accept: text/html,application/
xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: en-US,en;q=0.5
Accept-Encoding: gzip, deflate
DNT: 1
Cookie: CONCRETE5=6h8714bfr5m4g33p4mawxple93
Connection: keep-alive
Cache-Control: max-age=0
```

The web server responds with a `Yes`, `No`, or `Maybe`

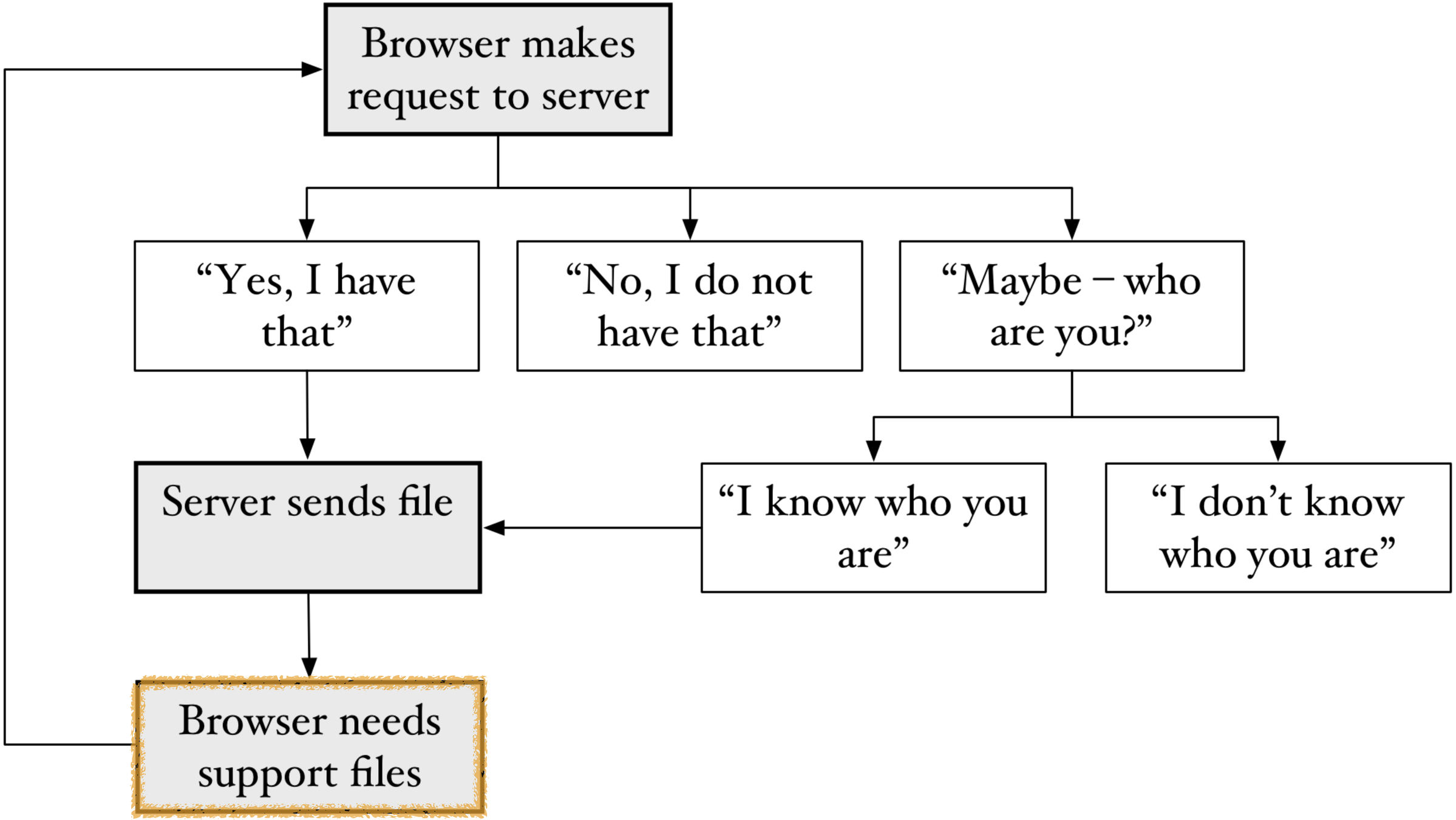

Browser makes request to server
"Yes, I have that"
"No, I do not have that"
"Maybe – who are you?"
Server sends file
"I know who you are"
"I don't know who you are"
Browser needs support files

```
HTTP/1.1 200 OK
Date: Wed, 20 Apr 2016 17:02:26 GMT
Server: Apache
X-Frame-Options: SAMEORIGIN
Vary: User-Agent,Accept-Encoding
Expires: Thu, 19 Nov 1981 08:52:00 GMT
Cache-Control: no-store, no-cache, must-revalidate,
post-check=0, pre-check=0
Pragma: no-cache
Content-Encoding: gzip
Content-Length: 4031
Keep-Alive: timeout=2, max=100
Connection: Keep-Alive
Content-Type: text/html; charset=UTF-8
```


Browser makes request to server
"Yes, I have that"
"No, I do not have that"
"Maybe – who are you?"
Server sends file
"I know who you are"
"I don't know who you are"
Browser needs support files

The web server sends the webpage HTML to your web browser

```
<!DOCTYPE html>
<html lang="en" class="cID-95">
<head>
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta charset="UTF-8">
  <title>Writing :: Scott Granneman</title>
  <meta name="description" content="Scott Granneman's work as a professional writer." />
  <meta name="generator" content="concrete5 - 5.6.3.1" />
…
```


Browser makes request to server
"Yes, I have that"
"No, I do not have that"
"Maybe – who are you?"
Server sends file
"I know who you are"
"I don't know who you are"
Browser needs support files

Your web browser asks the web server for the 1st linked content (e.g., images, JavaScript, CSS) it sees in the webpage's HTML

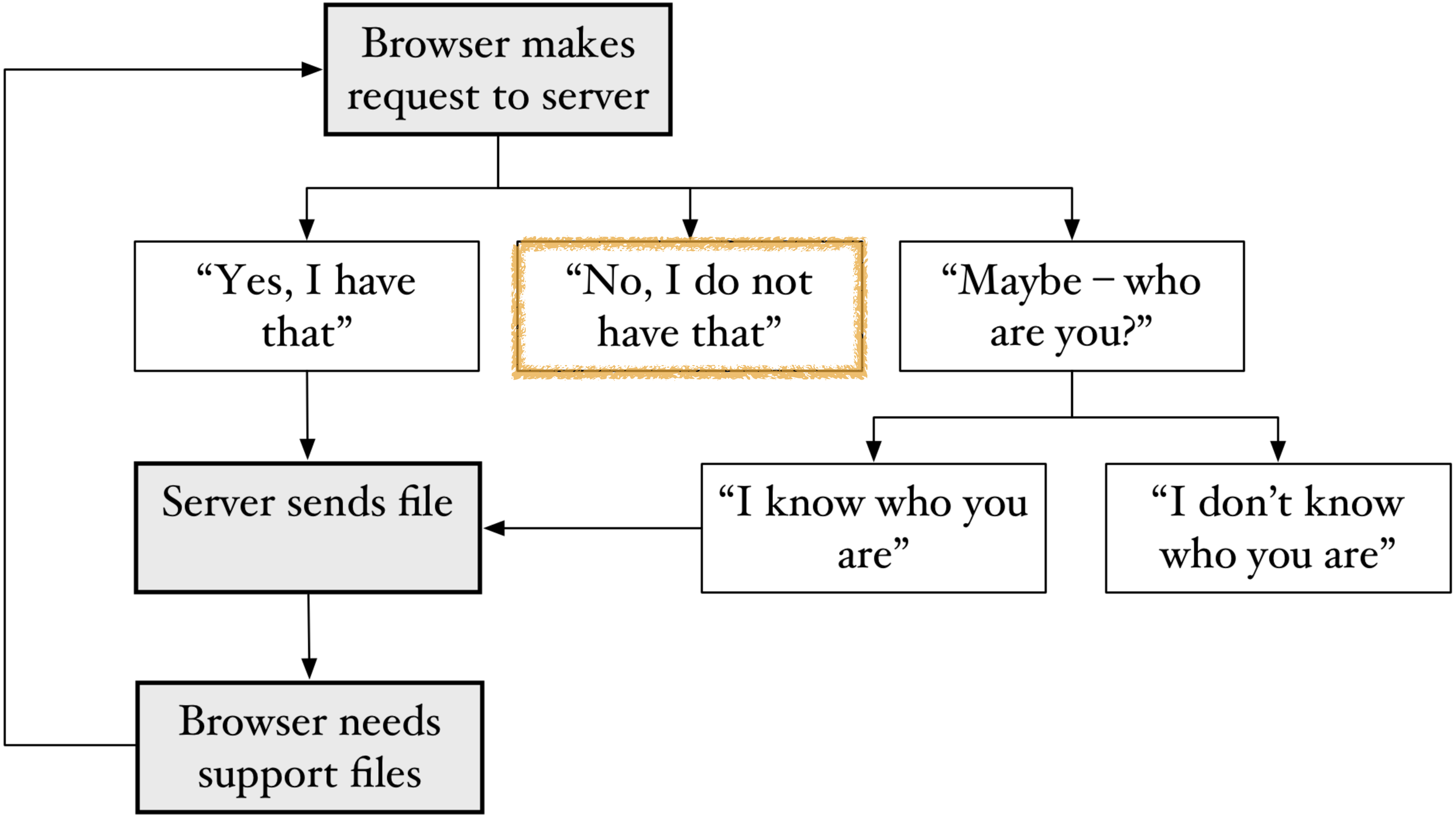
Header info about the 1st linked content is sent by the web server to the browser

The web server sends the 1st linked content to your web browser

Repeat the above for each linked content item until complete

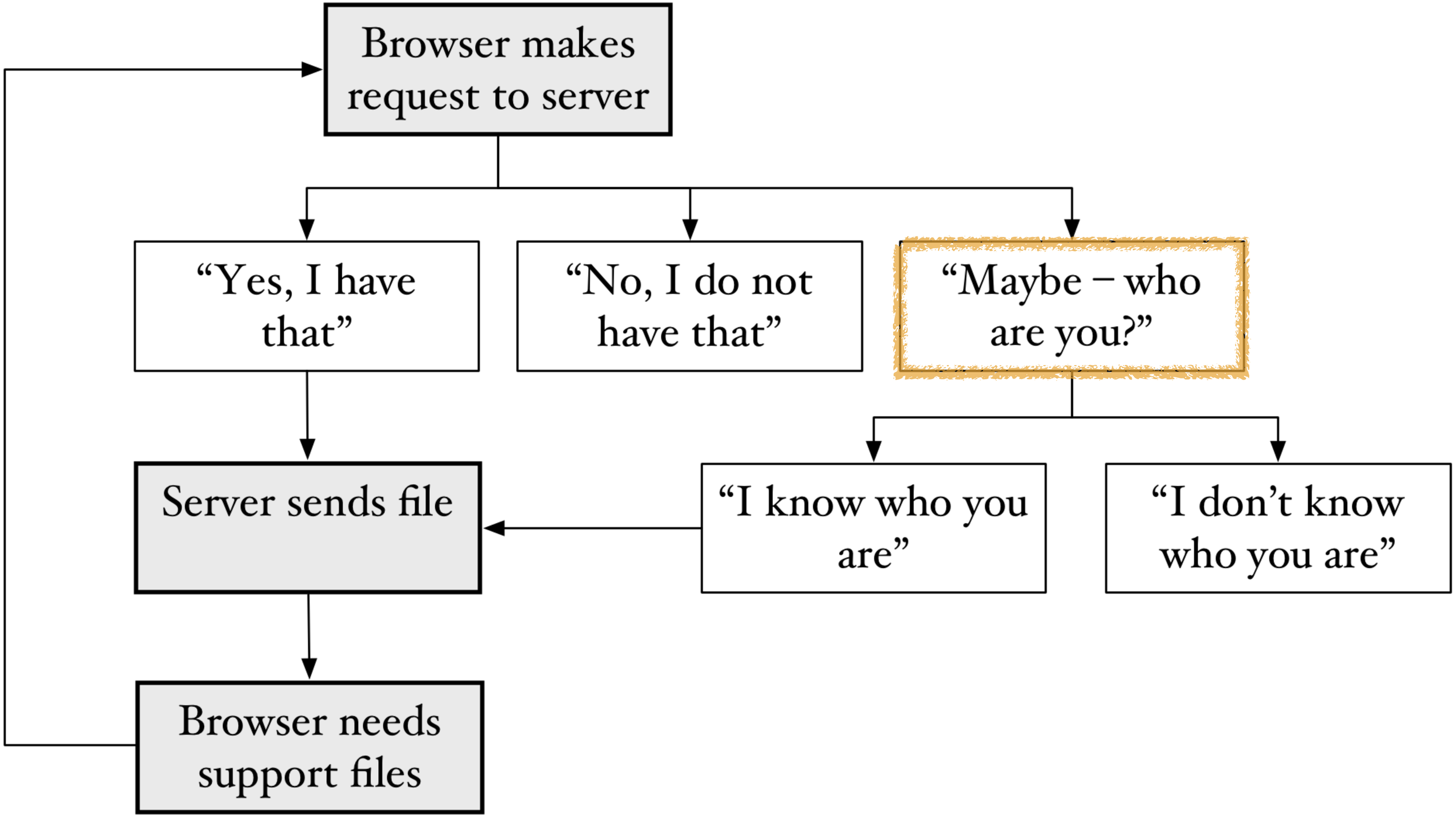
```
GET /themes/bootstrap/css/main.css HTTP/1.1
Host: www.granneman.com
User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X
10.11; rv:45.0) Gecko/20100101 Firefox/45.0
Accept: text/css,*/*;q=0.1
Accept-Language: en-US,en;q=0.5
Accept-Encoding: gzip, deflate
DNT: 1
Referer: http://www.granneman.com/writing/
Cookie: CONCRETE5=6h8714bfr5m4g33p4mawxple93
Connection: keep-alive
If-Modified-Since: Sat, 16 Apr 2016 21:11:23 GMT
If-None-Match: "3434-530a091d50037-gzip"
Cache-Control: max-age=0
```

```
HTTP/1.1 200 OK
Date: Wed, 20 Apr 2016 17:02:27 GMT
Server: Apache
X-Frame-Options: SAMEORIGIN
Vary: User-Agent,Accept-Encoding
Last-Modified: Sat, 16 Apr 2016 21:11:23 GMT
Etag: "3434-530a091d50037-gzip"
Accept-Ranges: bytes
Content-Encoding: gzip
Content-Length: 3253
Keep-Alive: timeout=2, max=100
Connection: Keep-Alive
Content-Type: text/css
```


Browser makes request to server
"Yes, I have that"
"No, I do not have that"
"Maybe – who are you?"
Server sends file
"I know who you are"
"I don't know who you are"
Browser needs support files

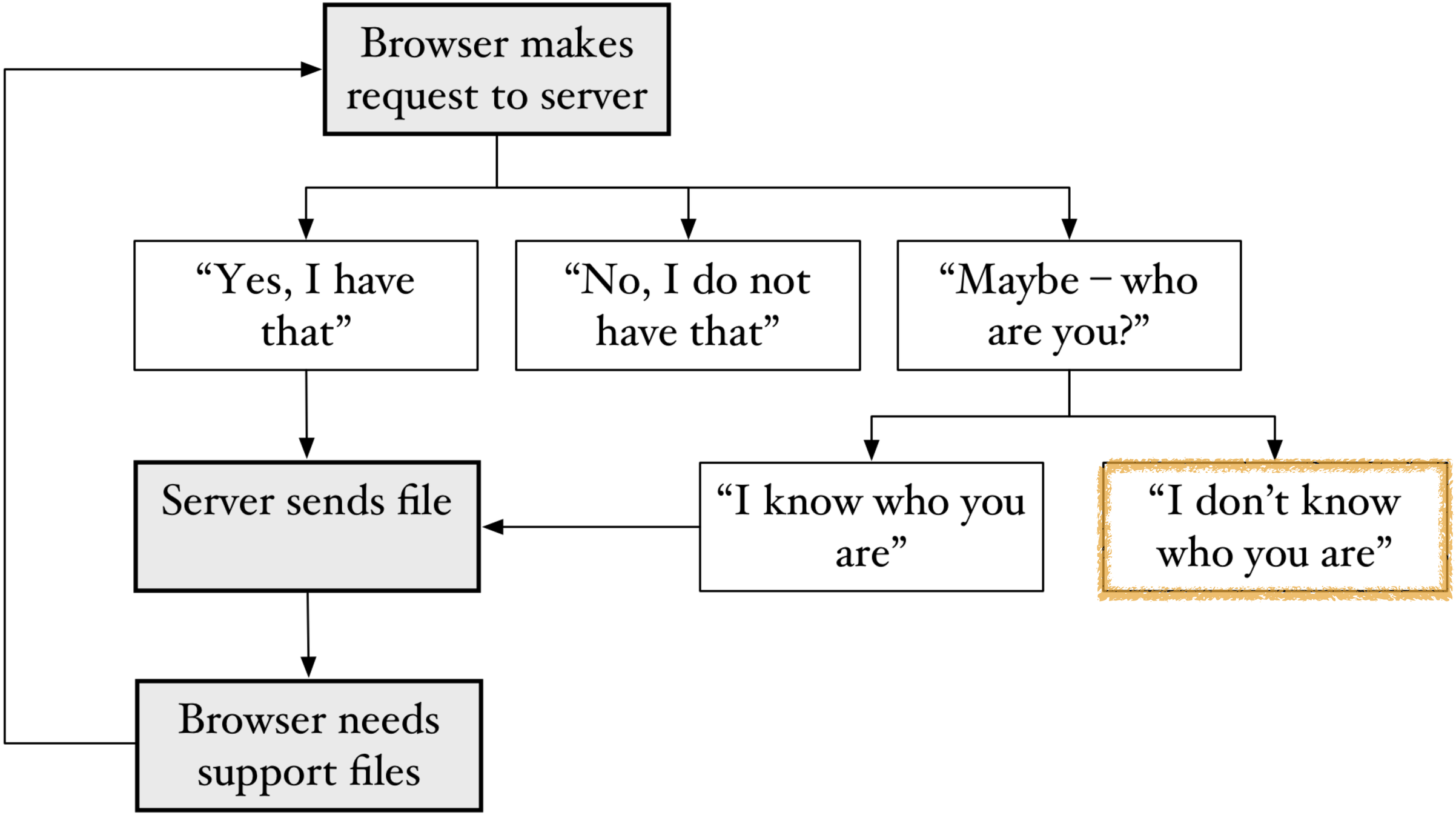
```
GET /writings/ HTTP/1.1
Host: www.granneman.com
User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS
X 10.11; rv:45.0) Gecko/20100101 Firefox/45.0
Accept: text/html,application/
xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: en-US,en;q=0.5
Accept-Encoding: gzip, deflate
DNT: 1
Cookie: CONCRETE5=6h8714bfr5m4g33p4mawxple93
Connection: keep-alive
Cache-Control: max-age=0
```

```
HTTP/1.0 404 Not Found
Date: Wed, 20 Apr 2016 17:46:03 GMT
Server: Apache
X-Frame-Options: SAMEORIGIN
Vary: User-Agent
Expires: Thu, 19 Nov 1981 08:52:00 GMT
Cache-Control: no-store, no-cache, must-
revalidate, post-check=0, pre-check=0
Pragma: no-cache
Connection: close
Content-Type: text/html; charset=UTF-8
```

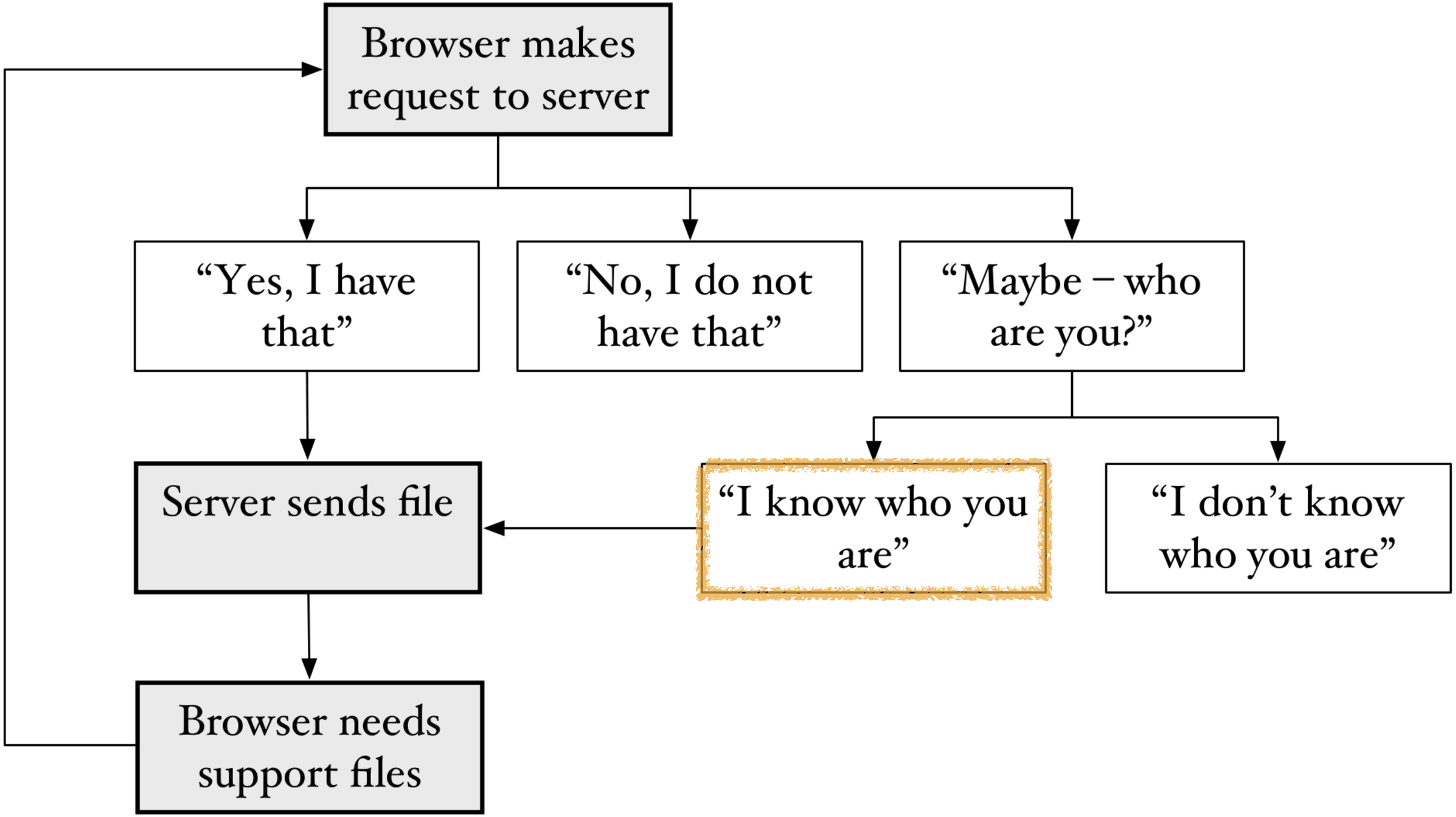

Browser makes request to server
"Yes, I have that"
"No, I do not have that"
"Maybe – who are you?"
Server sends file
"I know who you are"
"I don't know who you are"
Browser needs support files

```
GET / HTTP/1.1
Host: secret.granneman.com
User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS
X 10.11; rv:45.0) Gecko/20100101 Firefox/45.0
Accept: text/html,application/
xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: en-US,en;q=0.5
Accept-Encoding: gzip, deflate, br
DNT: 1
Cookie:
admin=h=698765b7653426q22110079g2b476ba9&id=scott
@granneman.com
Connection: keep-alive
```

```
HTTP/1.1 401 Unauthorized
Date: Wed, 20 Apr 2016 17:49:28 GMT
Server: Apache
X-Frame-Options: SAMEORIGIN
WWW-Authenticate: Basic realm="Scott Only"
Content-Length: 381
Keep-Alive: timeout=2, max=100
Connection: Keep-Alive
Content-Type: text/html; charset=iso-8859-1
```


Browser makes request to server
"Yes, I have that"
"No, I do not have that"
"Maybe – who are you?"
Server sends file
"I know who you are"
"I don't know who you are"
Browser needs support files

```
HTTP/1.1 401 Unauthorized
Date: Wed, 20 Apr 2016 17:52:58 GMT
Server: Apache
X-Frame-Options: SAMEORIGIN
WWW-Authenticate: Basic realm="Scott Only"
Content-Length: 381
Keep-Alive: timeout=2, max=100
Connection: Keep-Alive
Content-Type: text/html; charset=iso-8859-1
```


Browser makes request to server
"Yes, I have that"
"No, I do not have that"
"Maybe – who are you?"
Server sends file
"I know who you are"
"I don't know who you are"
Browser needs support files

```
HTTP/1.1 200 OK
Date: Wed, 20 Apr 2016 17:54:08 GMT
Server: Apache
X-Frame-Options: SAMEORIGIN
Vary: User-Agent,Accept-Encoding
Last-Modified: Sun, 27 Jul 2014 03:01:36 GMT
Etag: "242-4ff73294e061a-gzip"
Accept-Ranges: bytes
Content-Encoding: gzip
Strict-Transport-Security: max-age=15768000
Content-Length: 360
Keep-Alive: timeout=2, max=100
Connection: Keep-Alive
Content-Type: text/html
```

HTTP status codes

`1xx` Informational
`2xx` Success
`3xx` Redirection
`4xx` Client Error: cannot be fulfilled
`5xx` Server Error: failed a valid request

Redirection?

The requested resource has moved on the server, so browser needs to make a new request at a different URL

`301` Moved permanently; use new URL in future
`302` Moved temporarily; use original URL in future (incorrect usage by browsers)
`303` Moved temporarily; use original URL in future

```
GET /pubs/ HTTP/1.1
Host: www.granneman.com
User-Agent: Mozilla/5.0 (Macintosh; Intel Mac
OS X 10.11; rv:45.0) Gecko/20100101 Firefox/
45.0
Accept: text/html,application/
xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: en-US,en;q=0.5
Accept-Encoding: gzip, deflate
DNT: 1
Cookie: CONCRETE5=6h8714bfr5m4g33p4mawxple93
Connection: keep-alive
```

```
HTTP/1.1 301 Moved Permanently
Date: Wed, 20 Apr 2016 17:59:58 GMT
Server: Apache
X-Frame-Options: SAMEORIGIN
Vary: User-Agent
Expires: Thu, 19 Nov 1981 08:52:00 GMT
Cache-Control: no-store, no-cache, must-revalidate,
post-check=0, pre-check=0
Pragma: no-cache
Location: http://www.granneman.com/writing/
Content-Length: 0
Keep-Alive: timeout=2, max=100
Connection: Keep-Alive
Content-Type: text/html; charset=UTF-8
```

Important Web Server Software

3 most important & widely-used web servers

» Apache
» IIS
» Nginx

Apache

World’s most widely-used web server

httpd.apache.org

$0 & open source

UNIX

Apache

HTTP SERVER PROJECT

Essentials

- About
- License
- FAQ
- Security Reports

Download!

- From a Mirror

Documentation

- Version 2.4
- Version 2.2
- Version 2.0
- Trunk (dev)
- Wiki

Get Support

- Support

Get Involved

- Mailing Lists
- Bug Reports
- Developer Info

Subprojects

- Docs
- Test
- Flood

The Number One HTTP Server On The Internet

The Apache HTTP Server Project is an effort to develop and maintain an open-source HTTP server for modern operating systems including UNIX and Windows NT. The goal of this project is to provide a secure, efficient and extensible server that provides HTTP services in sync with the current HTTP standards.

Apache httpd has been the most popular web server on the Internet since April 1996, and celebrated its 17th birthday as a project this February.

The Apache HTTP Server ("httpd") is a project of The Apache Software Foundation.

Apache httpd 2.4.7 Released 2013-11-25

The Apache Software Foundation and the Apache HTTP Server Project are pleased to announce the release of version 2.4.7 of the Apache HTTP Server ("Apache"). This version of Apache is our latest GA release of the new generation 2.4.x branch of Apache HTTPD and represents fifteen years of innovation by the project, and is recommended over all previous releases. This version of Apache is principally a security and bug fix release.

This version of httpd is a major release of the 2.4 stable branch, and represents the best available version of Apache HTTP Server. New features include Loadable MPMs, major improvements to OCSP support, mod_lua, Dynamic Reverse Proxy configuration, Improved Authentication/Authorization, FastCGI Proxy, New Expression Parser, and a Small Object Caching API.

Download | New Features in httpd 2.4 | Complete ChangeLog for 2.4 | ChangeLog for just 2.4.7

Apache httpd 2.2.26 Released 2013-11-18

The Apache HTTP Server Project is proud to announce the release of version 2.2.26 of the Apache HTTP Server ("httpd"). This version is principally a bugfix release.

This version of httpd is a major release of the 2.2 legacy branch. New features include Smart Filtering, Improved Caching, AJP Proxy, Proxy Load Balancing, Graceful Shutdown support, Large File Support, the Event MPM, and refactored Authentication/Authorization.

Download | New Features in httpd 2.2 | ChangeLog for 2.2.26 | Complete ChangeLog for 2.2

Apache httpd 2.0.65 Released and Retired 2013-07-09

Powerful, highly configurable, & secure

Extensive documentation & large number of developers & support options

Many integrations with other software

Extendable through modules

Now 2 versions: 1.3.x & 2.x (use 2 if you can)

Wikipedia	Google	Boeing
New York Times	Yahoo	Disney
NFL	IMDB	SABRE
Facebook	Amazon	MLB
PayPal	Etsy	Scott Granneman
Department of State	Department of Labor	Department of Defense

IIS: Internet Information Services

Runs on Windows only

iis.net

Comes with Windows

A flexible & easy-to-manage web server...

Internet Information Services (IIS) for Windows® Server is a flexible, secure and manageable Web server for hosting anything on the Web. From media streaming to web applications, IIS's scalable and open architecture is ready to handle the most demanding tasks.

Get Started with IIS

ANNOUNCEMENTS:

IIS 10.0 Express Released | IIS 10.0 Supports Wildcard Host Header | New IIS PowerShell Cmdlets | Web Deploy 3.6 Released | HTTP/2 Support for IIS

Recent Blog Posts View All

Extendable through modules

Was horrifically insecure, but much better now

Nice GUI management & monitoring tools

SharePoint

A foundation for the future

SharePoint Online

With Office 365, SharePoint offers enhanced security technologies, is easy to manage, and can be accessed from almost anywhere.

Learn more

OneDrive for Business

One place for all your work files. Simply store, sync, and share, and easily collaborate on files with Office Online integration.

Learn more

Hybrid

Why choose between your datacenter and the cloud? Get both

SharePoint Add-ins

Add-ins are a great way to add more functionality to SharePoint.

SharePoint

sharepoint.microsoft.com

IIS + collaboration + search + document management + process management modules + Office integration

SharePoint is meant for intranets, not the Internet

"...installing SharePoint on premises typically requires multiple virtual machines, at least two separate physical servers, & is a somewhat significant installation & configuration effort." —Wikipedia

Now offered as part of Office 365 Software as a Service

Nginx (pronounced “Engine X”)

Serves static content very quickly, with little resource usage, even under enormous loads

nginx.org

$0 & open source

UNIX

Announcing NGINX Plus Release 9
Now with UDP load balancing, dynamic modules,
new service discovery features, and more! *Explore R9!*

nginx news

2016-04-19 nginx-1.9.15 mainline version has been released.

2016-04-05 nginx-1.9.14 mainline version has been released.

2016-03-29 nginx-1.9.13 mainline version has been released.

2016-02-24 nginx-1.9.12 mainline version has been released.

2016-02-09 nginx-1.9.11 mainline version has been released, with dynamic modules and TCP support in resolver.

2016-01-26 nginx-1.8.1 stable and nginx-1.9.10 mainline versions have been released, with fixes for vulnerabilities in resolver (CVE-2016-0742, CVE-2016-0746, CVE-2016-0747).

2015-12-09 nginx-1.9.9 mainline version has been released.

2015-12-08 nginx-1.9.8 mainline version has been released.

2015-11-17 nginx-1.9.7 mainline version has been released.

2015-10-27 nginx-1.9.6 mainline version has been released.

Apache has built-in support for dynamic content via modules

Nginx hands off requests for dynamic content to external processors & waits for the rendered results to be sent back

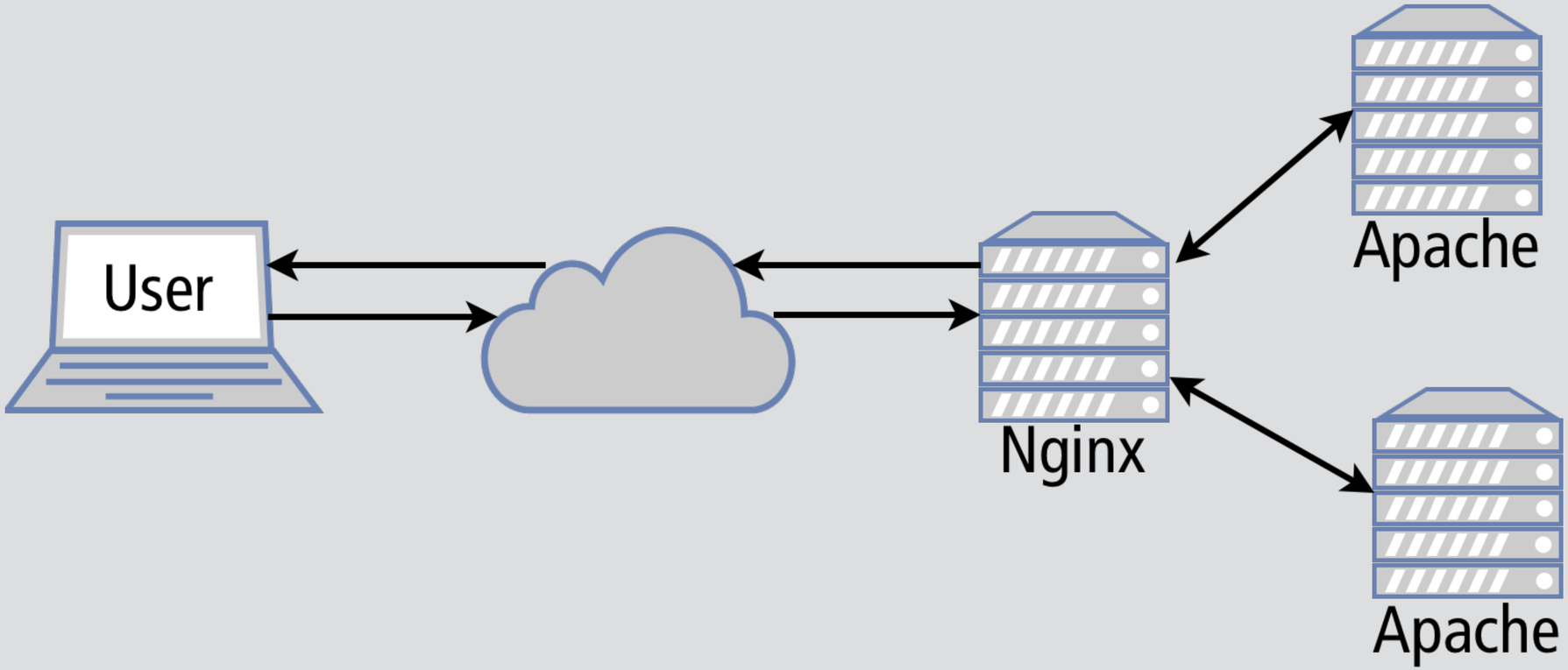
Can be complicated to set up

Advantage for Nginx is that static content is still served super-fast

Apache configuration is arcane, due to its age

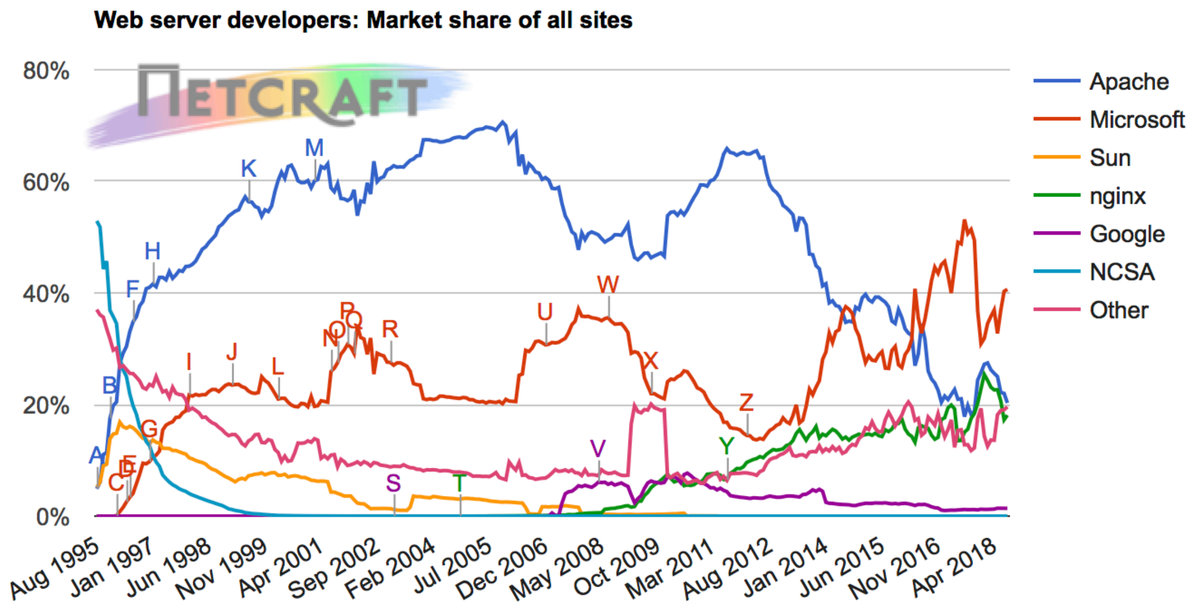
Nginx configuration is much more straightforward

Nginx can work together with Apache



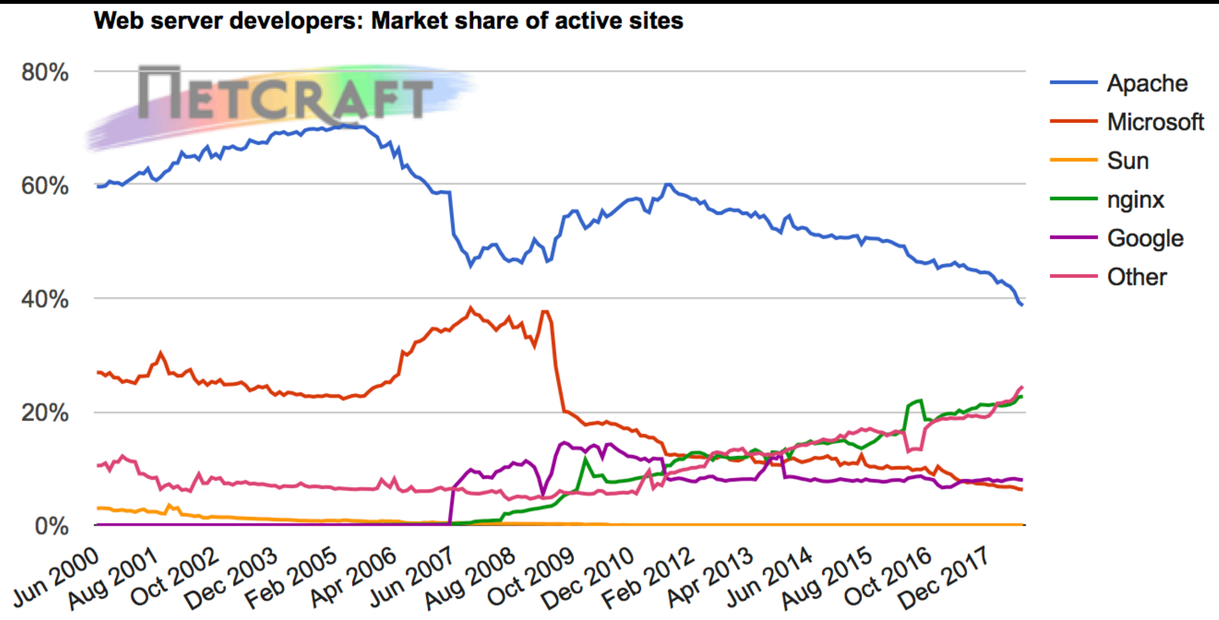
Nginx handles static requests quickly, & passes off dynamic requests to Apache, which returns the results to Nginx so it can serve them back to users

Marketshare



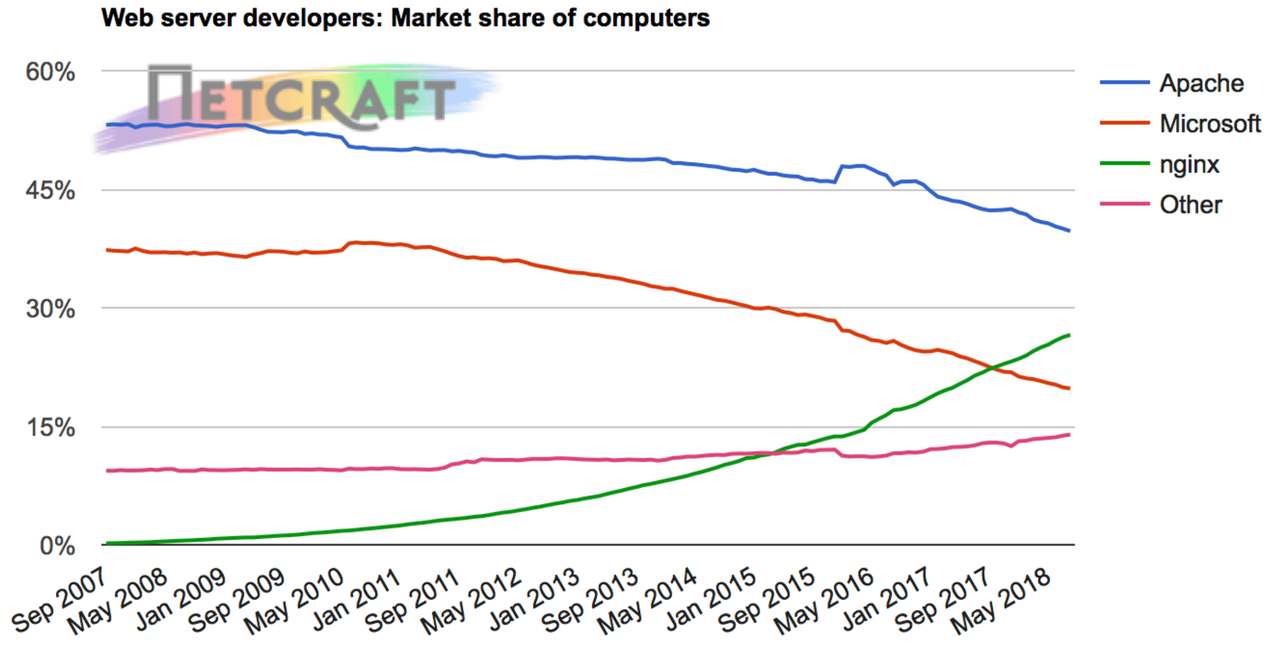
Developer	July 2018	Percent	August 2018	Percent	Change
Microsoft	670,209,364	40.28%	675,366,733	40.65%	0.36
Apache	366,023,119	22.00%	336,937,568	20.28%	-1.72
nginx	287,045,450	17.25%	300,644,222	18.10%	0.84
Google	23,347,290	1.40%	23,143,610	1.39%	-0.01

August 2018



Developer	July 2018	Percent	August 2018	Percent	Change
Apache	72,209,166	39.30%	71,516,290	38.68%	-0.62
nginx	41,454,376	22.56%	41,922,177	22.67%	0.11
Google	14,745,102	8.02%	14,692,760	7.95%	-0.08
Microsoft	11,660,970	6.35%	11,566,589	6.26%	-0.09

August 2018



Developer	July 2018	Percent	August 2018	Percent	Change
Apache	3,094,363	40.01%	3,079,607	39.69%	-0.31
nginx	2,031,813	26.27%	2,061,163	26.57%	0.30
Microsoft	1,540,470	19.92%	1,534,819	19.78%	-0.13

August 2018

Database

What's a Database?

“A *database* is an organized collection of data. It is the collection of schemas, tables, queries, reports, views and other objects. ...

A *database management system* (DBMS) is a computer software application that interacts with the user, other applications, and the database itself to capture and analyze data. A general-purpose DBMS is designed to allow the definition, creation, querying, update, and administration of databases.” —Wikipedia

Student ID	Student Name	ZIP	Email
1001	Steve Smith	63112	steve@smith.com
1002	Becky Barnes	63130	becky@barnes.com
1003	Pat	63108	pat@justpat.com

Each row is a *record*

Student ID	Student Name	ZIP	Email	OS
1001	Steve Smith	63112	steve@smith.com	Linux
1002	Becky Barnes	63130	becky@barnes.com	Windows
1003	Pat	63108	pat@justpat.com	Mac OS X

To track more data, just add columns: Operating systems, Car license plate, Locker number, Counselor

What happens to our table?

It quickly becomes unmanageable & full of repetitive data

The solution: *relational databases*

Types of Databases

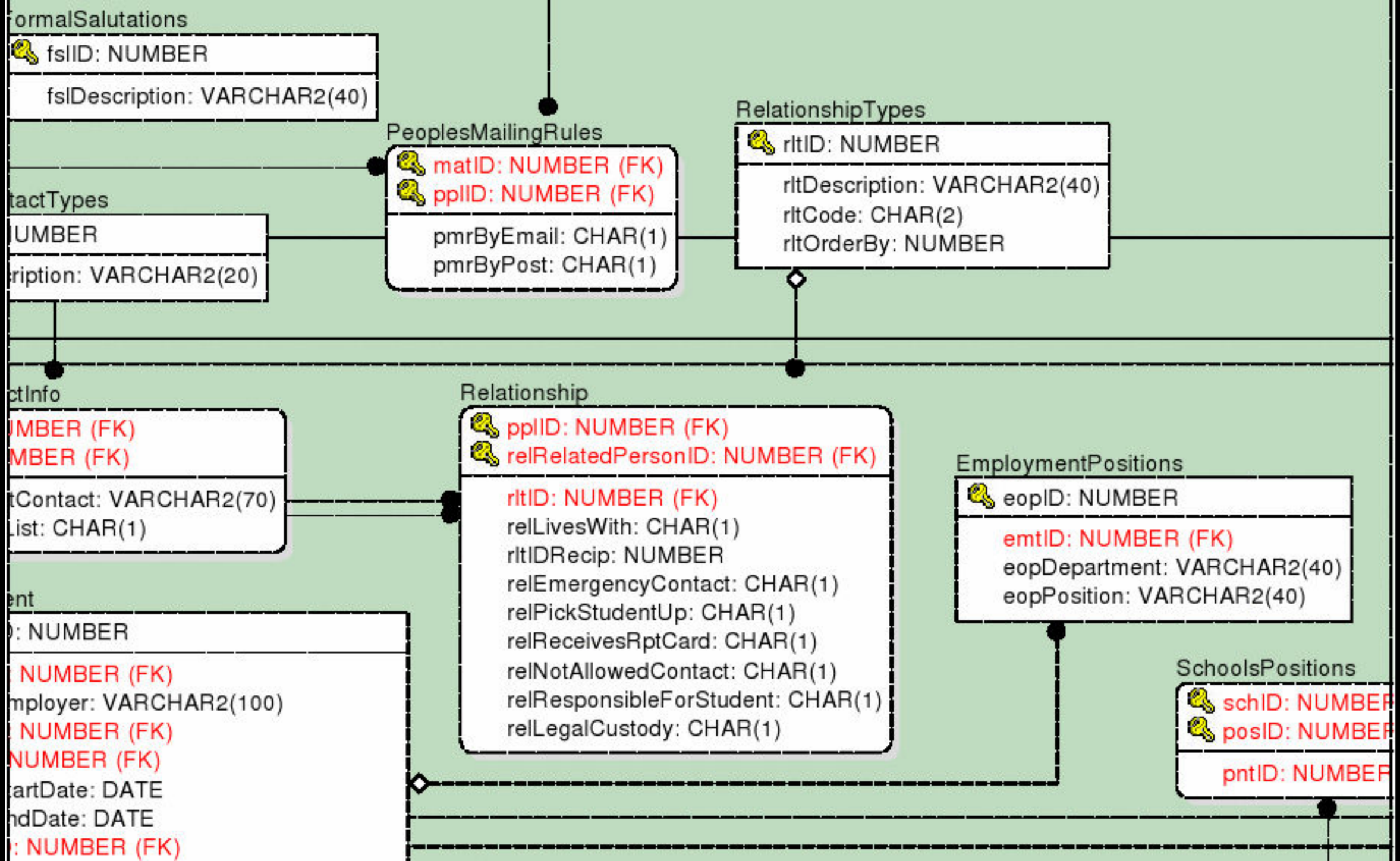
“A *relational database* is a digital database whose organization is based on the relational model of data … Virtually all relational database systems use SQL…

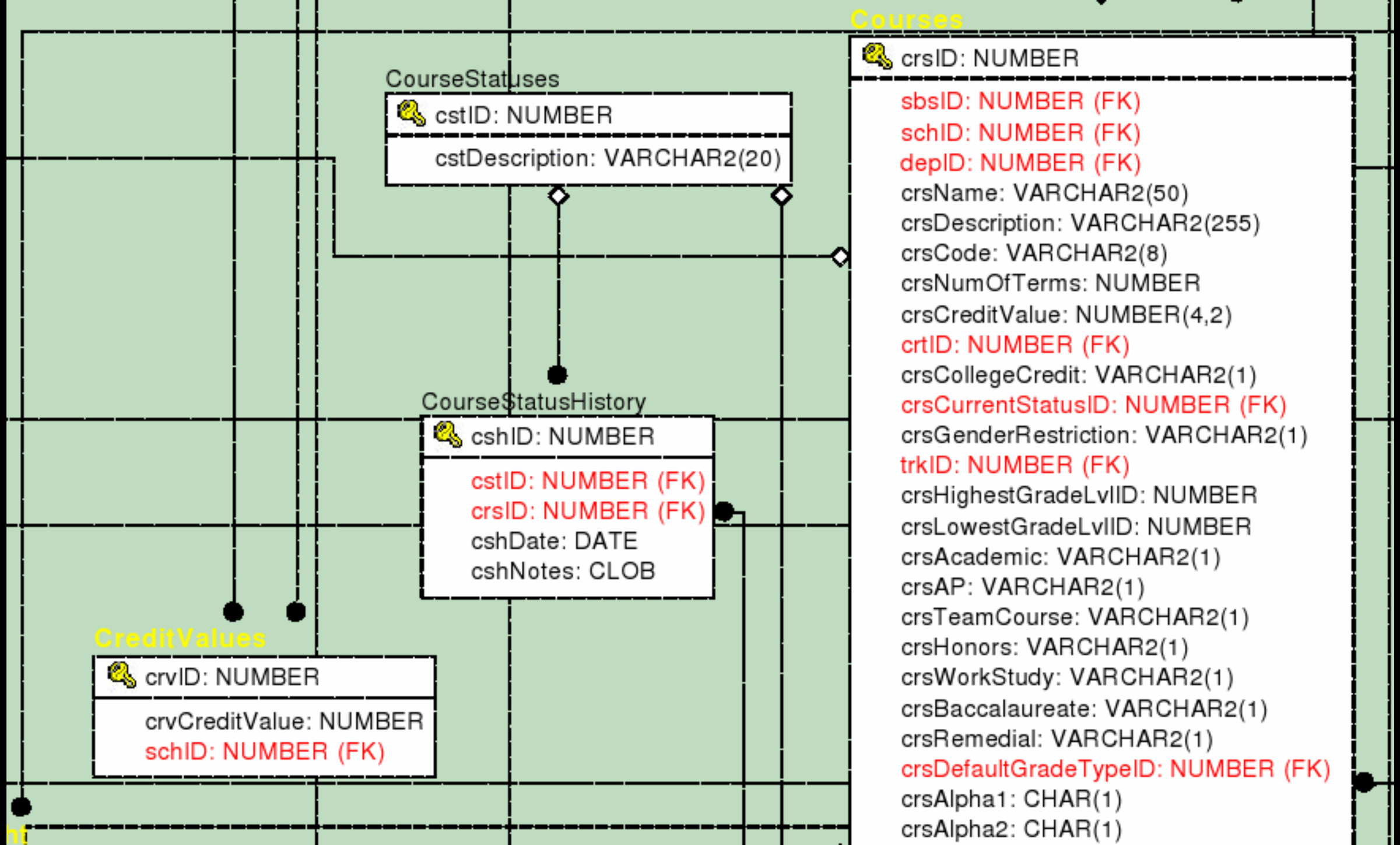
Each row in a table has its own unique *key*. Rows in a table can be linked to rows in other tables by adding a column for the unique key of the linked row (such columns are known as *foreign keys*)

This model organizes data into one or more tables (or *relations*) of columns and rows, with a unique key identifying each row.” —Wikipedia

Student ID	Student Name	ZIP	Email
1001	Steve Smith	63112	steve@smith.com
1002	Becky Barnes	63130	becky@barnes.com
1003	Pat	63108	pat@justpat.com

Student ID	OS
1001	Linux
1002	Windows
1003	Mac OS X
1003	Linux


ormalSalutations
fslID: NUMBER
fslDescription: VARCHAR2(40)
PeoplesMailingRules
matID: NUMBER (FK)
pplID: NUMBER (FK)
pmrByEmail: CHAR(1)
pmrByPost: CHAR(1)
RelationshipTypes
rltID: NUMBER
rltDescription: VARCHAR2(40)
rltCode: CHAR(2)
rltOrderBy: NUMBER
tactTypes
UMBER
ription: VARCHAR2(20)
ctInfo
MBER (FK)
MBER (FK)
tContact: VARCHAR2(70)
List: CHAR(1)
Relationship
pplID: NUMBER (FK)
relRelatedPersonID: NUMBER (FK)
rltID: NUMBER (FK)
relLivesWith: CHAR(1)
rltIDRecip: NUMBER
relEmergencyContact: CHAR(1)
relPickStudentUp: CHAR(1)
relReceivesRptCard: CHAR(1)
relNotAllowedContact: CHAR(1)
relResponsibleForStudent: CHAR(1)
relLegalCustody: CHAR(1)
EmploymentPositions
eopID: NUMBER
emtID: NUMBER (FK)
eopDepartment: VARCHAR2(40)
eopPosition: VARCHAR2(40)
ent
: NUMBER
NUMBER (FK)
mployer: VARCHAR2(100)
NUMBER (FK)
NUMBER (FK)
tartDate: DATE
hdDate: DATE
: NUMBER (FK)
SchoolsPositions
schID: NUMBER
posID: NUMBER
pntID: NUMBER


Courses
crsID: NUMBER
sbsID: NUMBER (FK)
schID: NUMBER (FK)
depID: NUMBER (FK)
crsName: VARCHAR2(50)
crsDescription: VARCHAR2(255)
crsCode: VARCHAR2(8)
crsNumOfTerms: NUMBER
crsCreditValue: NUMBER(4,2)
crtID: NUMBER (FK)
crsCollegeCredit: VARCHAR2(1)
crsCurrentStatusID: NUMBER (FK)
crsGenderRestriction: VARCHAR2(1)
trkID: NUMBER (FK)
crsHighestGradeLvlID: NUMBER
crsLowestGradeLvlID: NUMBER
crsAcademic: VARCHAR2(1)
crsAP: VARCHAR2(1)
crsTeamCourse: VARCHAR2(1)
crsHonors: VARCHAR2(1)
crsWorkStudy: VARCHAR2(1)
crsBaccalaureate: VARCHAR2(1)
crsRemedial: VARCHAR2(1)
crsDefaultGradeTypeID: NUMBER (FK)
crsAlpha1: CHAR(1)
crsAlpha2: CHAR(1)
CourseStatuses
cstID: NUMBER
cstDescription: VARCHAR2(20)
CourseStatusHistory
cshID: NUMBER
cstID: NUMBER (FK)
crsID: NUMBER (FK)
cshDate: DATE
cshNotes: CLOB
CreditValues
crvID: NUMBER
crvCreditValue: NUMBER
schID: NUMBER (FK)

Many databases used today are *NoSQL*

- Based on documents, not tables, structured with XML or JSON
- Very fast
- Designed to scale horizontally

NoSQL databases

- » MongoDB
- » Redis
- » CouchDB

Software

One way to classify relational databases

- High-end
- Mid-tier
- Personal/departmental

High-end

- Hundreds of tables
- Millions of records
- Constant input & output

Examples

- Oracle
- IBM DB2
- Microsoft SQL Server

Mid-Tier

Not as robust as high end, but still very powerful

MySQL

World’s most popular open source database

www.mysql.com

$0 or $2,000+

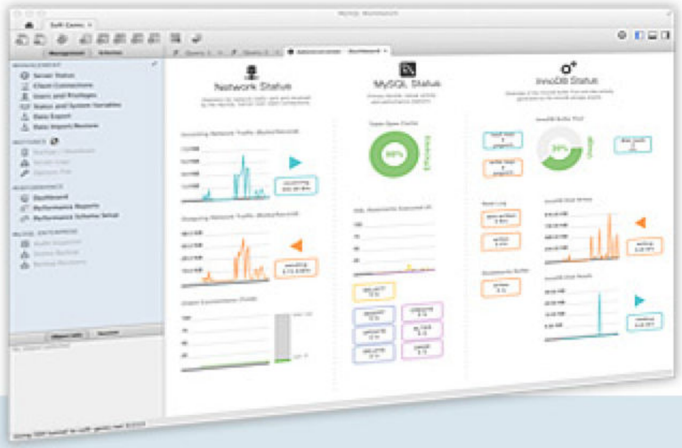
UNIX

MySQL

The world's most popular open source database

MySQL Enterprise Edition
Download Now »

MySQL Monthly Newsletter



New! MySQL Workbench 6.1
Performance Tools
GA Now!
Learn More »

Free Webinars

"MySQL EXPLAIN, explained"
Tuesday, May 20, 2014

Upgrading to MySQL 5.6: Best Practices
Wednesday, May 21, 2014

SQL & NoSQL, The Best of Both Worlds with MySQL Cluster
Thursday, May 22, 2014

MySQL in SaaS: Best Practices, Part I
Tuesday, May 27, 2014

More Webinars

Products	Resources	News & Events

Enterprise Edition

Download Now »

	MySQL Standard Edition	MySQL Enterprise Edition	MySQL Cluster Carrier Grade Edition
Annual Subscription[2,3,4,5] product-metric	USD 2,000 Buy Now	USD 5,000 Buy Now	USD 10,000 Buy Now
Oracle Premier Support[3]			
24x7 Support	√	√	√
Unlimited Support Incidents	√	√	√
Knowledge Base	√	√	√
Maintenance Releases	√	√	√
MySQL Consultative Support	√	√	√
MySQL Features			
MySQL Database Server	√	√	√
MySQL Connectors	√	√	√
MySQL Replication	√	√	√
MySQL Fabric		√	√
MySQL Router		√	√
MySQL Partitioning		√	√
MySQL Utilities		√	√
MySQL Workbench[1]	√	√	√
Storage Engine: MyISAM	√	√	√
Storage Engine: InnoDB	√	√	√

Oracle purchased MySQL in 2008 as part of Sun, & promptly angered the open source developers who had worked on it

Forks started appearing soon after

Drizzle
Forked from MySQL v. 6; last stable release in 2012

MariaDB
Led by the original developers of MySQL as a drop-in replacement for MySQL

Percona Server
Another drop-in replacement that includes features only available in MySQL's Enterprise edition

PostgreSQL

Great database, but not supported by as many open source projects

www.postgresql.org

$0 & open source

UNIX

PostgreSQL

The world's most advanced open source database.

31st March 2016

PostgreSQL 9.5.2, 9.4.7, 9.3.12, 9.2.16 and 9.1.21 Released!

The PostgreSQL Global Development Group is pleased to announce the availability of PostgreSQL 9.5.2, 9.4.7, 9.3.12, 9.2.16 and 9.1.21.

This is an update release that fixes two security issues in version 9.5 as well as several bugs in all current releases. In particular, the 9.5.2 release disables an optimization present in 9.5 and newer that can lead to corruption of text indexes in non-C locales. Users of 9.5 should update as soon as convenient and REINDEX potentially corrupt indexes.

» **Release Announcement**
» **Release Notes**
» **Download**

LATEST RELEASES

9.5.2 · March 31, 2016 · Notes
9.4.7 · March 31, 2016 · Notes
9.3.12 · March 31, 2016 · Notes
9.2.16 · March 31, 2016 · Notes
9.1.21 · March 31, 2016 · Notes

Download | RSS
Why should I upgrade?
Upcoming releases

SHORTCUTS

» Security
» International Sites
» Mailing Lists
» Wiki
» Report a Bug
» FAQs

SUPPORT US

PostgreSQL is free. Please support our work by making a donation.

FEATURED USER

There was quite a bit of debate when we were deciding what tools would best serve as the foundation of FlightAware's ambitious goals. For the underlying database, however, the choice to use PostgreSQL was quite clear from the very beginning.

David McNett, Chief Information Officer, FlightAware.com

» Case Studies | More Quotes | Featured Users

LATEST NEWS

UPCOMING EVENTS

PLANET POSTGRESQL

Personal/Departmental

Meant for one person or a small department

Can connect to small Intranet

Never connect to the Internet!

Examples

- Microsoft Access
- FileMaker Pro

Services

Cloud computer layers

Cloud Clients (browser, terminal, mobile)
↑↓
SaaS: *Software as a Service*
↑
PaaS: *Platform as a Service*
↑
IaaS: *Infrastructure as a Service*

SaaS: Software as a Service

Network-based access to software

Centralized management

Centralized updating

Usually a monthly or annual flat fee per user

SaaS examples

Google Apps (Gmail, Google Drive, & Google Calendar)

Salesforce.com

Microsoft Office 365

PaaS: Platform as a Service

Network-based access to computing platforms (OS, environment, database, web server) for building & hosting cloud apps

Easy to deploy applications without cost & complexity of buying & managing underlying hardware & software

PaaS is for developers who want to create web-based apps but don’t want to mess with setting up a server from scratch & administering it

It’s like they want to rent a furnished apartment

PaaS examples

AWS Elastic Beanstalk

Google App Engine

Microsoft Azure Cloud Services

Heroku (Ruby on Rails)

Force.com (Salesforce)

IaaS: Infrastructure as a Service

Network-based access to a virtualized server, software, datacenter, storage, & network equipment

Billed like a utility, based on what is used

IaaS is for developers who want to create web-based apps & don’t mind messing with setting up a server from scratch & administering it

It’s like they want to rent an apartment & don’t mind furnishing it themselves

IaaS examples

Amazon EC2, S3, & EBS

Azure Services Platform

Google Compute Engine

Rackspace Cloud

Oracle Infrastructure as a Service

Virtual	Many sites on 1 server share same IP address
Shared	Many sites on 1 server, maybe sharing IPs
Virtual Dedicated	Virtualization: each site thinks it’s unique
Dedicated	User controls server, but doesn’t own it
Co-located	User owns server & has full control over it
Clustered	Many servers hosting same content

Types of hosting services

AWS

Explore AWS solutions and products

AWS Device Farm | New Feature

Directly interact with real devices in the AWS Cloud

Learn more »

Get Started with AWS for Free

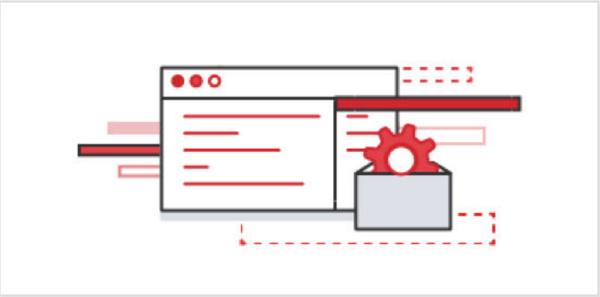
Create a Free Account

Amazon EC2
750 hours of Linux & Windows Micro Instances/month

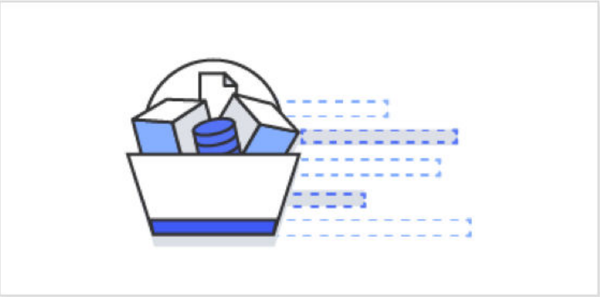
View AWS Free Tier Details »

AWS SUMMIT CHICAGO
See all announcements from AWS

AWS MOBILE HUB
The fastest way to build mobile apps on



GETTING STARTED
Learn how to start using AWS in minutes



AWS FREE TIER
Gain hands-on experience with AWS free

Amazon Web Services (AWS)

Launched July 2002 to take advantage of underutilized infrastructure, technologies, & operations that power Amazon's $10 billion online store

Now offers over 70 services!

AWS | Services | Edit | WebSanity | N. Virginia | Support

History

- EC2
- Console Home

All AWS Services

- Compute
- Storage & Content Delivery
- Database
- Networking
- Developer Tools
- Management Tools
- Security & Identity
- Analytics
- Internet of Things
- Mobile Services
- Application Services
- Enterprise Applications
- Game Development

- API Gateway
- AppStream
- AWS IoT
- Certificate Manager
- CloudFormation
- CloudFront
- CloudSearch
- CloudTrail
- CloudWatch
- CodeCommit
- CodeDeploy
- CodePipeline
- Cognito
- Config
- Data Pipeline
- Device Farm
- Direct Connect
- DynamoDB
- EC2
- EC2 Container Service
- Elastic Beanstalk
- Elastic File System PREVIEW
- Elastic Transcoder
- ElastiCache
- Elasticsearch Service
- EMR
- GameLift
- Glacier
- IAM
- Inspector
- Kinesis
- Lambda
- Machine Learning
- Mobile Analytics
- OpsWorks
- RDS
- Redshift
- Route 53
- S3
- Service Catalog
- SES
- Snowball
- SNS
- SQS
- Storage Gateway
- SWF
- Trusted Advisor
- VPC
- WAF
- WorkDocs
- WorkMail

Open # on this page in a new tab behind the current one

Aimed at developers, not end users

Billed on usage: no contracts & no minimums (keep an eagle on your usage!)

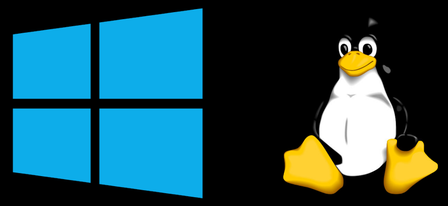
99.95% reliability (some services offer 99.999999999%!)

EC2 (Elastic Compute Cloud)

Virtualized cloud-based servers

aws.amazon.com/ec2/

$variable



PRODUCTS & SERVICES

- Amazon EC2
- Product Details
- Instances
- Pricing
- Purchasing Options
- Developer Resources
- FAQs
- Getting Started
- Amazon EC2 Run Command

RELATED LINKS

- Amazon EC2 Dedicated Hosts
- Amazon EC2 Spot Instances
- Amazon EC2 Reserved Instances
- Amazon EC2 Dedicated Instances
- Windows Instances

Amazon EC2 - Virtual Server Hosting

Amazon Elastic Compute Cloud (Amazon EC2) is a web service that provides resizable compute capacity in the cloud. It is designed to make web-scale cloud computing easier for developers.

Amazon EC2's simple web service interface allows you to obtain and configure capacity with minimal friction. It provides you with complete control of your computing resources and lets you run on Amazon's proven computing environment. Amazon EC2 reduces the time required to obtain and boot new server instances to minutes, allowing you to quickly scale capacity, both up and down, as your computing requirements change. Amazon EC2 changes the economics of computing by allowing you to pay only for capacity that you actually use. Amazon EC2 provides developers the tools to build failure resilient applications and isolate themselves from common failure scenarios.

Launch an Amazon EC2 Instance for Free

Try Amazon EC2 for Free

AWS Free Tier includes 750 hours of Linux and Windows t2.micro instances each month for one year. To stay within the Free Tier, use only EC2 Micro instances.

View AWS Free Tier Details »

Introduction to Amazon EC2 (4:01)

EC2 Dashboard
Events
Tags
Reports
Limits

INSTANCES
Instances
Spot Requests
Reserved Instances
Scheduled Instances
Commands
Dedicated Hosts

IMAGES
AMIs
Bundle Tasks

ELASTIC BLOCK STORE
Volumes
Snapshots

NETWORK & SECURITY
Security Groups
Elastic IPs
Placement Groups
Key Pairs
Network Interfaces

Resources

You are using the following Amazon EC2 resources in the US East (N. Virginia) region:

- 1 Running Instances
- 0 Dedicated Hosts
- 2 Volumes
- 1 Key Pairs
- 0 Placement Groups
- 3 Elastic IPs
- 14 Snapshots
- 0 Load Balancers
- 2 Security Groups

Easily deploy Ruby, PHP, Java, .NET, Python, Node.js & Docker applications with Elastic Beanstalk.

Create Instance

To start using Amazon EC2 you will want to launch a virtual server, known as an Amazon EC2 instance.

Launch Instance

Note: Your instances will launch in the US East (N. Virginia) region

Service Health

Service Status:

US East (N. Virginia):
This service is operating normally

Availability Zone Status:

Scheduled Events

US East (N. Virginia):

No events

Account Attributes

Supported Platforms

EC2
VPC

Resource ID length management

Additional Information

Getting Started Guide
Documentation
All EC2 Resources
Forums
Pricing
Contact Us

AWS Marketplace

Find **free software trial** products in the AWS Marketplace from the EC2 Launch Wizard.
Or try these popular AMIs:

Tableau Server (10 users)

Provided by Tableau
Rating ★★★★★

© 2008 - 2016, Amazon Web Services, Inc. or its affiliates. All rights reserved.

EC2 Dashboard
Events
Tags
Reports
Limits

INSTANCES
Instances
Spot Requests
Reserved Instances
Scheduled Instances
Commands
Dedicated Hosts

IMAGES
AMIs
Bundle Tasks

ELASTIC BLOCK STORE
Volumes
Snapshots

NETWORK & SECURITY
Security Groups
Elastic IPs
Placement Groups

Launch Instance | Connect | Actions

Filter by tags and attributes or search by keyword

1 to 1 of 1

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public
MiniGil	i-76b1f79d	m3.medium	us-east-1b	running	2/2 checks ...	None	ec2-75

Instance: i-76b1f79d (MiniGil) **Elastic IP: 75.101.163.243**

Description | Status Checks | Monitoring | Tags

Instance ID	i-76b1f79d	**Public DNS**	ec2-75-101-163-243.compute-1.amazonaws.com
Instance state	running	**Public IP**	75.101.163.243
Instance type	m3.medium	**Elastic IP**	75.101.163.243
Private DNS	ip-10-231-163-168.ec2.internal	**Availability zone**	us-east-1b
Private IPs	10.231.163.168	**Security groups**	WebSanity. view rules
Secondary private IPs	-	**Scheduled events**	No scheduled events

© 2008 - 2016, Amazon Web Services, Inc. or its affiliates. All rights reserved.

EBS (Elastic Block Store)

Resizable cloud-based persistent storage for EC2

aws.amazon.com/ebs/

$variable

PRODUCTS & SERVICES

Amazon EBS
Product Details
Pricing
Getting Started
Developer Resources
FAQs

RELATED LINKS

Documentation
Management Console
Release Notes
Discussion Forum

Get Started for Free
Create Free Account

Amazon Elastic Block Store (EBS)

Amazon Elastic Block Store (Amazon EBS) provides persistent block level storage volumes for use with Amazon EC2 instances in the AWS Cloud. Each Amazon EBS volume is automatically replicated within its Availability Zone to protect you from component failure, offering high availability and durability. Amazon EBS volumes offer the consistent and low-latency performance needed to run your workloads. With Amazon EBS, you can scale your usage up or down within minutes – all while paying a low price for only what you provision.

Get Started with AWS for Free

Create a Free Account

AWS Free Tier includes 30GB of Storage, 2 million I/Os, and 1GB of snapshot storage with Amazon Elastic Block Store (EBS).

View AWS Free Tier Details »

Customer Highlights

bazaar voice
CROWDSTRIKE
Adobe
GAMEVIL

S3 (Simple Storage Service)

Cloud-based storage service

aws.amazon.com/s3/

$variable

PRODUCTS & SERVICES

Amazon S3
Storage Classes
Pricing
Getting Started
Resources
Product Details
FAQs
Amazon S3 SLA

RELATED LINKS

AWS Management Console
Documentation
Release Notes
Discussion Forum

Get Started for Free

Amazon S3

Amazon Simple Storage Service (Amazon S3), provides developers and IT teams with secure, durable, highly-scalable cloud storage. Amazon S3 is easy to use object storage, with a simple web service interface to store and retrieve any amount of data from anywhere on the web. With Amazon S3, you pay only for the storage you actually use. There is no minimum fee and no setup cost.

Amazon S3 offers a range of storage classes designed for different use cases including Amazon S3 Standard for general-purpose storage of frequently accessed data, Amazon S3 Standard - Infrequent Access (Standard - IA) for long-lived, but less frequently accessed data, and Amazon Glacier for long-term archive. Amazon S3 also offers configurable lifecycle policies for managing your data throughout its lifecycle. Once a policy is set, your data will automatically migrate to the most appropriate storage class without any changes to your applications.

Amazon S3 can be used alone or together with other AWS services such as Amazon Elastic Compute Cloud (Amazon EC2) and AWS Identity and Access Management (IAM), as well as data migration

Get Started with AWS Today

Try Amazon S3 for Free

AWS Free Tier includes 5GB storage, 20,000 Get Requests, and 2,000 Put Requests with Amazon S3.

View AWS Free Tier Details »

Linode

Founded in 2003

Data centers in Texas, California, Georgia, New Jersey, London, & Tokyo

Supports two-factor authentication

linode

Features Pricing Add-ons Resources | Log in Sign up

WE'RE HIRING!

Cloud Hosting for Developers

High performance SSD Linux servers for all of your infrastructure needs.

Your email

Choose a username

Choose a password

Create Account

CPU, transfer, storage, and RAM bundled into one simple price.

	RAM	CPU	Storage	Transfer	Network In	Network Out	Price	
Linode **1GB**	1 GB	1 Core	24 GB SSD	2 TB	40 Gbps	125 Mbps	**$.015 / hr** ($10 / mo)	Sign Up
Linode **2GB**	2 GB	2 Cores	48 GB SSD	3 TB	40 Gbps	250 Mbps	**$.03 / hr** ($20 / mo)	Sign Up
Linode **4GB**	4 GB	4 Cores	96 GB SSD	4 TB	40 Gbps	500 Mbps	**$.06 / hr** ($40 / mo)	Sign Up
Linode **8GB**	8 GB	6 Cores	192 GB SSD	8 TB	40 Gbps	1000 Mbps	**$.12 / hr** ($80 / mo)	Sign Up
Linode **16GB**	16 GB	8 Cores	384 GB SSD	16 TB	40 Gbps	2000 Mbps	**$.24 / hr** ($160 / mo)	Sign Up
Linode **32GB**	32 GB	12 Cores	768 GB SSD	20 TB	40 Gbps	4000 Mbps	**$.48 / hr** ($320 / mo)	Sign Up
Linode **48GB**	48 GB	16 Cores	1152 GB SSD	20 TB	40 Gbps	6000 Mbps	**$.72 / hr** ($480 / mo)	Sign Up
Linode **64GB**	64 GB	20 Cores	1536 GB SSD	20 TB	40 Gbps	8000 Mbps	**$.96 / hr** ($640 / mo)	Sign Up
Linode **96GB**	96 GB	20 Cores	1920 GB SSD	20 TB	40 Gbps	10000 Mbps	**$1.44 / hr** ($960 / mo)	Sign Up

Linode Manager

websanity | my profile | log out

Linodes | NodeBalancers | Longview | DNS Manager | Account | Support | Documentation | Community

Dashboard | Remote Access | Rebuild | Rescue | Resize | Clone | Graphs | Backups | Settings

Linodes » (Production Servers) » **Gawain-Web**

Dashboard

Select	Configuration Profiles	Options
◉	Generic Server (Latest 64 bit (4.0.5-x86_64-linode58))	Edit | Remove

Reboot

Rebuild | Deploy an Image | Create a new Configuration Profile

Disks

/var (43520 MB, ext4)	Edit | Remove
512MB Swap Image (512 MB, swap)	Edit | Remove
/ (Ubuntu 14.04 LTS) (5120 MB, ext4)	Edit | Remove

Create a new Disk

Host Job Queue (more)

Success	**System Boot** - Generic Server	Entered: 12 days 16 hours ago - Took: 13 seconds
Success	**System Shutdown**	Entered: 12 days 16 hours ago - Took: 15 seconds
Success	**Host initiated restart**	Entered: 3 months 14 days ago - Took: 7 seconds
Success	**System Boot** - Generic Server	Entered: 8 months 23 days ago - Took: 12 seconds

Server Status

Your Linode is currently

Running

Shut down

12 days uptime

Network

- Transfer/mo: 4000 GB
- Incoming: 22.7 GB
- Outgoing: 553 GB
- Total: 576 GB

You have used

13%

of your monthly transfer

Storage

- Total: 98304 MB
- Used: 49152 MB
- Free: 49152 MB

You have allocated

50%

towards disk images

Backups

Linode Manager

websanity | my profile | log out

Linodes | NodeBalancers | Longview | DNS Manager | Account | Support | Documentation | Community

Longview

Metric: CPU | Memory | Swap | Load | Network

Sort Method: Name | Metric

Sort Order: A-Z | Z-A

Zoom: Small | Medium | Large | +

Gawain-Web

34%
CPU

Lancelot-MySQL

12%
CPU

+
Add Client

You are currently using **2** out of **3** available Longview clients. Subscription options · Longview documentation

Connecting

Control Panels

Hosting companies often provide control panels: web-based software that enables you to connect & manage your account’s website, SFTP, & more

Make sure you’re using HTTPS!

SSH

iTerm 2

Powerful, flexible, open source terminal emulator

www.iterm2.com

$0

1. virgil:/Users/rsgranne (bash)

```
sgranne@virgil:~
 open /Applications/Google\ Chrome.app/ --args --remote-debugging-port=9222

sgranne@virgil:~
 open /Applications/Google\ Chrome.app/ --args --remote-debugging-port=9222

sgranne@virgil:~
 brew update && brew upgrade
pdated Homebrew from 5de45179 to eac1ef3f.
=> New Formulae
omebrew/boneyard/storm  libltc                  phinze/cask/imagemin     tta
=> Updated Formulae
itlbee                          monotone                        phinze/cask/praat
hrome-cli                       neo4j                           phinze/cask/scopes
lac                             nvm                             phinze/cask/tapped
cc                              open-ocd                        phinze/cask/untapped_qualified
forth                           openssl                         phinze/cask/uri
it-annex                        par2tbb                         pyenv
ove                             phinze/cask/appium              sqlite
peg-turbo                       phinze/cask/brackets            suricata
ibmongoclient                   phinze/cask/cask                youtube-dl
ono                             phinze/cask/list
=> Deleted Formulae
fortran  storm
=> Upgrading 1 outdated package, with result:
outube-dl 2014.05.16.1
=> Upgrading youtube-dl
=> Downloading https://downloads.sf.net/project/machomebrew/Bottles/youtube-dl-2014.05.16.1.maveric
################################################################## 100.0%
=> Pouring youtube-dl-2014.05.16.1.mavericks.bottle.tar.gz
```

MobaXterm

Easily the best Windows SSH client (& a lot more)

mobaxterm.mobatek.net

$0 or $69 for Professional Edition

MobaXterm

Terminal Sessions View X server Tools Games Settings Macros Help

New tab Session Tools Games Sessions View Split Tunneling MultiExec Services Settings Help X server Exit

Sessions Tools Macros Sftp

/home/tandreas

Name Si

..
.adobe 4
.altera.quartus 4
.codewarrior 4
.config 4
.dbus 4
.eclipse 4
.eggcups 4
.emacs.d 4
.evolution 4
.fontconfig 4
.gconf 4
.gconfd 4
.gnome 4
.gnome2 4
.gnome2_private 4
.gstreamer-0.10 4
.icons 4
.java 4
.kde 4
.local 4
.macromedia 4
.matlab 4
.mcop 4
.metacity 4
.mozilla 4
.mw 4

1. tandreas@snake.ec

```
                • MobaXterm Personal Edition v6.2 •
            (Unix utilities and X-server on Gnu/Cygwin)

 ➤ Your computer drives are accessible through the /drives path
 ➤ Your DISPLAY is set to 192.168.0.100:0.0
 ➤ When using SSH, your remote DISPLAY is automatically forwarded
 ➤ Each command status is specified by a special symbol (✔ or ✘)

 • Important:
 This is MobaXterm Personal Edition. The Professional edition
 allows you to customize MobaXterm for your company: you can add
 your own logo, your parameters, your welcome message and generate
 either an MSI installation package or a portable executable.
 We can also modify MobaXterm or develop the plugins you need.
 For more information: http://mobaxterm.mobatek.net/versions.php

[2013-03-07 19:18.11]  ~
[TJAndreas.Akira] ➤ ssh -l tandreas snake.ece.ucdavis.edu
Permanently added 'snake.ece.ucdavis.edu' (RSA) to the list of known hosts.
tandreas@snake.ece.ucdavis.edu's password:
```

MobaXterm

Do you want to save the password for tandreas@snake.ece.ucdavis.edu?

Warning:
Your password will be encrypted and saved to your Windows profile.
If you are using MobaXterm in "full-portability" mode, or if you think that your account is not properly protected and could be accessed by malicious users, you may not store any password on it.

Yes No

Do not show this message again

UNREGISTERED VERSION - Please support MobaXterm by subscribing to the professional edition here: http://mobaxterm.mobatek.net

7:19 PM
3/7/2013

MobaXterm

Terminal Sessions View X server Tools Games Settings Macros Help

Session Servers Tools Games Sessions View Split MultiExec Tunneling Settings Help X server Exit

Quick connect...

1. /home/mobaxterm 2. Softpedia

Saved sessions

Softpedia

Sessions Tools Macros

```
• MobaXterm Personal Edition v7.0 •
(Unix utilities and X-server on Gnu/Cygwin)

➤ Your computer drives are accessible through the /drives path
➤ Your DISPLAY is set to 10.9.0.60:0.0
➤ When using SSH, your remote DISPLAY is automatically forwarded
➤ Each command status is specified by a special symbol (✔ or ✘)

• Important:
This is MobaXterm Personal Edition. The Professional edition
allows you to customize MobaXterm for your company: you can add
your own logo, your parameters, your welcome message and generate
either an MSI installation package or a portable executable.
We can also modify MobaXterm or develop the plugins you need.
For more information: http://mobaxterm.mobatek.net/versions.php

Login:
```

UNREGISTERED VERSION - Please support MobaXterm by subscribing to the professional edition here: http://mobaxterm.mobatek.net

MobaXterm

Terminal Sessions View X server Tools Games Settings Macros Help

Quick connect...

/home/mobaxterm

Sessions Tools Macros Sftp

/home/james/

Name

..
.config
.dbus
.elinks
.emacs.d
.gconf
.kde
.local
.qt
.vconf
.vim
.vlocal
.bash_history
.bash_local

Follow terminal folder

```
• MobaXterm Professional v3.6 •
(Unix utilities and X-server)

➤ X11-Forwarding:      ✓
➤ SSH-Agent:           ✓
➤ Active SSH tunnels:  2
➤ Active services:     1
➤ X11 display:         192.168.36.2:0.0

[2012-06-27 16:15.29]  ~
[James.Laptop360] ➤
```

SFTP

FTP: *File Transfer Protocol*
Completely insecure: do not use!

SFTP: *Secure File Transfer Protocol*
Encrypted via SSH

SCP: *Secure Copy*
A simpler way to copy files, also based on SSH

Transmit

File transfer via FTP, SFTP, S3, & WebDAV

panic.com/transmit/

$34

Gilgamesh

View | Window | Back / Forward | Sync | Quick Look | Action | Show Hidden | Refresh | Search

Remote

rsgranne 13

Name	Size	Date	Kind
Applications	--	2014-04-19	folder
Applications (Parallels)	--	2014-03-18	folder
bin	--	2013-12-29	folder
Brow	--	2013-10-22	folder
Desktop	--	2014-05-16	folder
Documents	--	2014-05-09	folder
Downloads	--	2014-05-16	folder
Dropbox	--	2014-05-16	folder
Library	--	2014-04-13	folder
Movies	--	2014-05-09	folder
Music	--	2014-05-09	folder
Pictures	--	2014-05-09	folder
Public	--	2014-05-09	folder

/ > var > shared_ass > multiblog > wp-conten > themes > wu.granneman.com 8

Name	Size	Date
functions.php	4 KB	Sep 1, 2013, 12:40 PM
header.php	4 KB	Oct 7, 2013, 9:10 PM
loop.php	8 KB	Dec 13, 2011, 2:04 PM
page.php	1 KB	Dec 13, 2011, 2:04 PM
sidebar.php	2 KB	Dec 13, 2011, 2:04 PM
single.php	3 KB	Dec 13, 2011, 2:04 PM
style.css	13 KB	Feb 5, 2014, 3:35 PM
toggle-sidebar.js	293 B	Dec 13, 2011, 2:04 PM

Cyberduck

File transfer via FTP, SFTP, WebDAV, S3, & Azure

cyberduck.ch

$0 & open source

@gawain.websanity.com – SFTP

Unregistered

Open Connection | gawain.websanity.com Quick Connect | Action | Refresh | Edit | Disconnect

/var/www/www.granneman.com/themes

Search

Filename	Size	Modified
bootstrap	--	2016-03-27, 4:54 PM
css	--	2016-04-16, 4:11 PM
bootstrap-overwrites-c5core.css	331 B	2015-03-18, 3:33 PM
bootstrap-theme.css	21.4 KB	2015-03-18, 3:33 PM
bootstrap-theme.css.map	23.1 KB	2015-03-18, 3:33 PM
bootstrap-theme.min.css	18.9 KB	2015-03-18, 3:33 PM
bootstrap.css	132.5 KB	2015-03-18, 3:33 PM
bootstrap.css.map	220.8 KB	2015-03-18, 3:33 PM
bootstrap.min.css	109.5 KB	2015-03-18, 3:33 PM
conversion.css	8.0 KB	2016-04-16, 5:45 PM
conversion.scss	3.1 KB	2016-04-16, 5:45 PM
main.css	13.4 KB	2016-04-16, 4:11 PM
main.scss	11.5 KB	2015-10-27, 4:32 PM
typography.css	653 B	2015-03-18, 3:33 PM
default.php	512 B	2015-03-18, 3:33 PM
description.txt	73 B	2015-03-18, 3:33 PM
elements	--	2015-11-23, 3:12 PM
fonts	--	2016-02-04, 2:32 PM
images	--	2015-03-18, 3:33 PM
js	--	2015-03-18, 3:33 PM
monokai-sublime.css	1.0 KB	2016-03-27, 4:54 PM
page_featured_images.php	715 B	2015-03-18, 3:33 PM
page_full_width.php	512 B	2015-03-18, 3:33 PM
page_home.php	237 B	2015-03-18, 4:54 PM
page_sidebar.php	677 B	2015-03-18, 3:33 PM
page_three_column.php	805 B	2015-03-18, 3:33 PM
sunburst.css	2.2 KB	2016-03-27, 4:47 PM

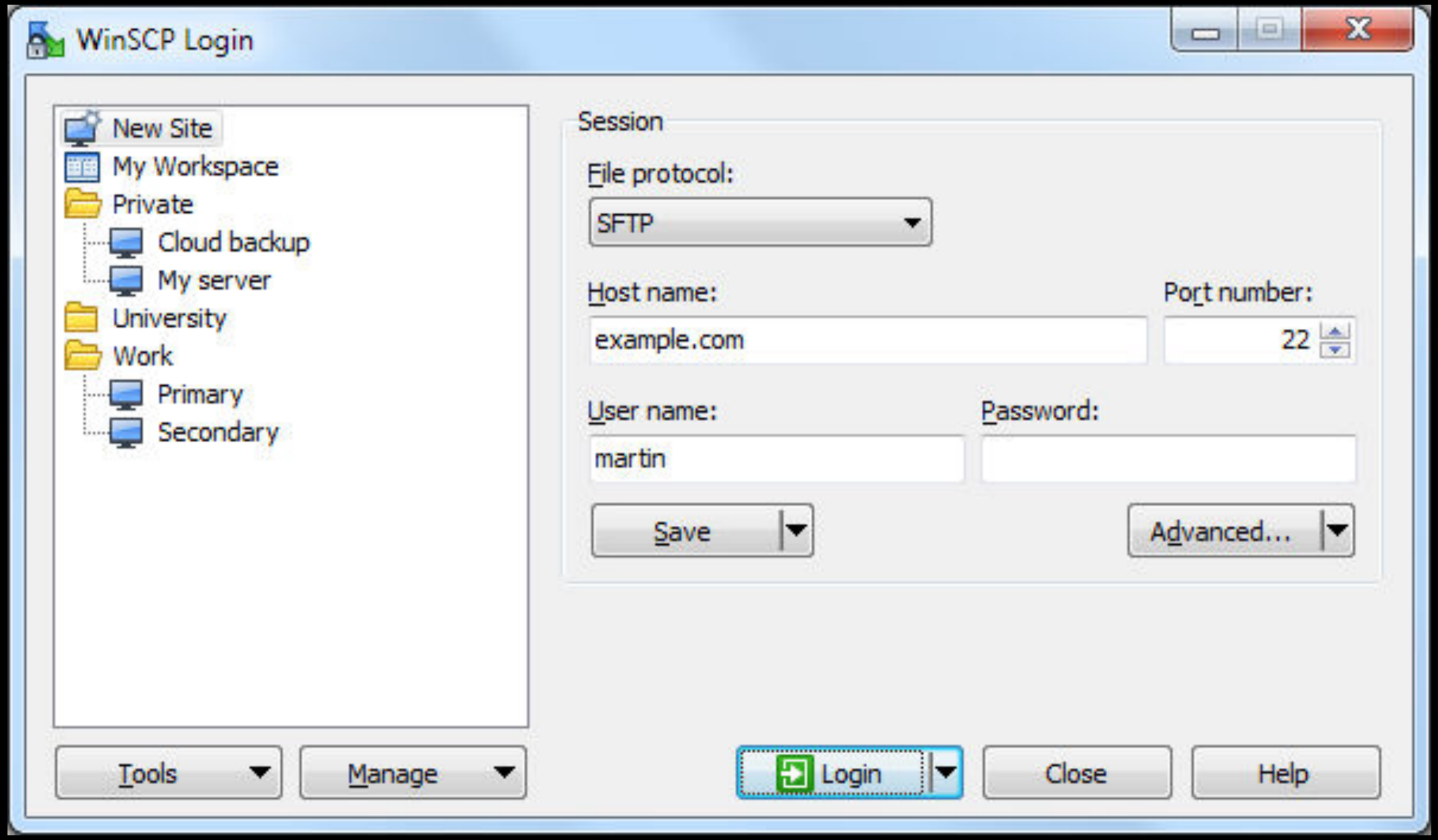
30 Files

WinSCP

File transfer via SFTP, SCP, FTPS, & FTP

winscp.net

$0 & open source


WinSCP Login
New Site
My Workspace
Private
Cloud backup
My server
University
Work
Primary
Secondary
Session
File protocol:
SFTP
Host name:
example.com
Port number:
22
User name:
martin
Password:
Save
Advanced...
Tools
Manage
Login
Close
Help

wiki - My Server - WinSCP

File Commands Mark Session View Help

Address /home/martinp/httpdocs/wiki/wiki

Find Files | Download | Edit | Properties

Queue | Transfer Settings Default

My Server | New Session

- / <root>
  - home
    - martinp
      - bin
      - data
      - etc
      - httpdocs
        - wiki
          - wiki
      - secret

Name	Size	Changed	Rights	Owner
commandline.txt	8 KB	16.9.2011 8:14:12	rw-r--r--	Martin
config.txt	3 KB	7.10.2011 10:08:13	rw-r--r--	Martin
contributions.txt	1 KB	28.8.2011 7:14:44	rw-r--r--	Martin
directory_cache.txt	1 KB	30.7.2011 22:24:53	rw-r--r--	Martin
dragext.txt	4 KB	30.7.2011 22:25:40	rw-r--r--	Martin
faq.txt	5 KB	8.8.2011 22:47:29	rw-r--r--	Martin
faq_commandline.txt	0 KB	17.12.2004 11:45:36	rw-r--r--	Martin
faq_dir_default.txt	1 KB	24.5.2011 11:17:20	rw-r--r--	Martin
faq_download_temp.txt	0 KB	21.11.2005 8:39:25	rw-r--r--	Martin

12 599 B of 136 KiB in 4 of 55 (1 hidden) | SFTP-3 | 0:03:33

wiki - My Server - WinSCP

Local Mark Files Commands Session Options Remote Help

Synchronize | Queue | Transfer Settings Default

My Server | Work | New Session

D: Data | wiki

Upload | Edit | Properties | Download | Edit | Properties

D:\Documents\wiki

Name	Size	Changed	Attr
interfaces.txt	2 KB	14.10.2011 22:02:00	a
introduction.txt	2 KB	25.10.2011 23:13:26	a
languages.txt	2 KB	9.9.2011 15:03:29	a
operation_mask.txt	2 KB	25.4.2005 11:35:48	a
protocols.txt	5 KB	30.7.2011 22:14:42	a
remote_command...	3 KB	11.9.2011 21:01:44	a
requirements.txt	7 KB	8.10.2011 21:24:24	a
resume.txt	3 KB	30.7.2011 22:45:09	a
screenshots.txt	0 KB	9.4.2008 11:29:58	a
scripting.txt	8 KB	1.11.2011 15:19:57	a
security.txt	1 KB	16.8.2011 22:00:51	a
shell_session.txt	1 KB	30.7.2011 23:03:27	a

22 706 B of 87 797 B in 8 of 33

/home/martinp/httpdocs/wiki/wiki

Name	Size	Changed	Rights
..		31.10.2011 23:03:09	rwxr-xr-x
wiki		6.5.2012 21:47:48	rwxr-xr-x
.htaccess	0 KB	10.11.2004 21:46:46	rw-r--r--
commandline.txt	8 KB	1.4.2012 11:53:47	rw-r--r--
contributions.txt	1 KB	28.8.2011 7:14:44	rw-r--r--
directory_cache.txt	1 KB	30.7.2011 22:24:53	rw-r--r--
dragext.txt	5 KB	4.12.2011 22:19:32	rw-r--r--
faq.txt	7 KB	9.3.2012 9:09:44	rw-r--r--
faq_commandlin...	0 KB	17.12.2004 11:45:36	rw-r--r--
faq_dir_default.txt	1 KB	24.5.2011 11:17:20	rw-r--r--
faq_download_te...	0 KB	21.11.2005 8:39:25	rw-r--r--
faq_drag_move.txt	1 KB	17.9.2010 9:34:23	rw-r--r--

17 407 B of 1 069 KB in 4 of 315

Queue (3)

Operation	Source	Destination	Transferred	Time/Speed	Progress
	/home/martinp/httpdocs/wik...	D:\Documents\wiki*.*	11 KB	0:00:00	Query
	faq.txt		0 KB	18 985 B/s	0%
	D:\Documents\movies\Movi...	/home/martinp/httpdocs/*.*	213 222 KB	0:00:09	80%
	D:\Documents\movies\Movi...		213 222 KB	5 566 KB/s	80%
	/home/martinp/httpdocs/for...	D:\Documents\backup*.*			Waiting...

SFTP-3 | 0:10:25

Security

SSL/TLS

SSL (*Secure Sockets Layer*) & TLS (*Transport Layer Security*) provide HTTPS

Why Use SSL?

All web traffic sent via HTTP is in the clear, so anyone packet sniffing can see everything

A problem for e-commerce & sensitive data!

(Frankly, a problem with *any* data & content)

The solution: encrypt all traffic between your web browser & the web server

HTTPS instead of HTTP

Google ranks HTTPS pages higher

How SSL Works

A certificate authenticates the identity of a website to the web browser

Before the certificate provider issues a certificate, it has to vet the requester to make sure she is the owner of the site

Requester selects from 3 different types of certificates, each based on increasingly difficult vetting & validation (& expense)

Domain validation
Does the requester have admin rights over the domain name?

Organization validation
Same as Domain + is the organization an actual legal entity?

Extended validation
Same as Organization + do manual verification checks by a person prove that the organization is an actual legal entity?

www.amazon.com/gp/cart/view.html/ref=nav_cart

S-Foc Ent RSG WS G Soc Apps lets News Save

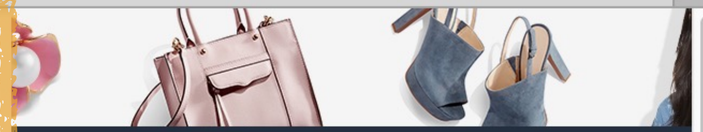
Amazon.com Shopping Cart

BEAUTIFUL THINGS

Safari is using an encrypted connection to www.amazon.com.

Encryption with a digital certificate keeps information private as it's sent to or from the https website www.amazon.com.

? Show Certificate OK



amazon Prime

All

UPPORT DETROIT ACHIEVEMENT ACADEMY ›
rving 100% at-risk students

Departments Shopping History R ch count Prime Lists 1 Cart

PAY WITH Cashback Bonus DISCOVER

Ralph, as a Prime member, get up to **$15 off instantly** when you pay with *Cashback Bonus* at Amazon.com for the first time.

Your Current Subtotal:	$ 12.85
Promotion Code:	**- $ 15.00**
Cost After Savings:	**$ 0.00**

Learn more

Shopping Cart

	Price	Quantity
Hank Williams: The Biography by Colin Escott Paperback In Stock For Scott Granneman's Wish List Prime This is a gift Learn more Delete | Save for later	**$12.85** You save: $5.15 (29%)	1

Subtotal (1 item): $12.85

Total savings: **$5.15**

Subtotal (1 item): $12.85

This order contains a gift

Proceed to checkout

or

Sign in to turn on 1-Click ordering.

Estimate your shipping and tax

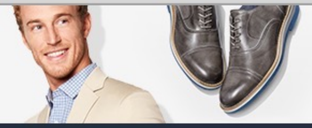
Customers Who Bought Hank Williams: The Biography Also Bought These Items from Other Categories

Hank Williams - 40 Gr...
› Hank Williams Sr.
★★★★★ (141)
$13.59

www.amazon.com/gp/cart/view.html/ref=nav_cart

S-Foc Ent RSG WS G Soc Apps lets News Save

Amazon.com Shopping Cart

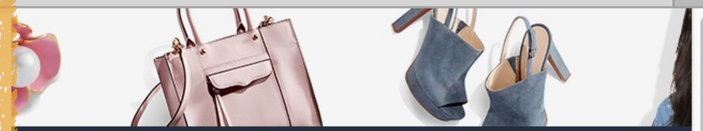


BEAUTIFUL THINGS

amazon Prime

All

Departments Shopping History



UPPORT DETROIT ACHIEVEMENT ACADEMY ›
rving 100% at-risk students

ount Prime Lists 1 Cart

Safari is using an encrypted connection to www.amazon.com.

Encryption with a digital certificate keeps information private as it's sent to or from the https website www.amazon.com.

VeriSign Class 3 Public Primary Certification Authority - G5
↳ Symantec Class 3 Secure Server CA - G4
↳ www.amazon.com

www.amazon.com
Issued by: Symantec Class 3 Secure Server CA - G4
Expires: Friday, December 30, 2016 at 5:59:59 PM Central Standard Time
This certificate is valid

▶ **Trust**
▼ **Details**

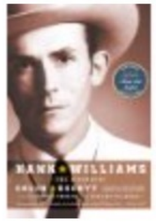
Subject Name	
Country	US
State/Province	Washington
Locality	Seattle
Organization	Amazon.com, Inc.
Common Name	www.amazon.com

? Hide Certificate OK

Ralph, as a Prime me
Cashback Bonus at An
Your Current Subtotal:
Promotion Code:
Cost After Savings:

PAY WITH Cashback Bonus DISCOVER

Shopping Cart



Hank Williams: The Biog
Paperback
In Stock
For Scott Granneman's Wish Lis
Prime
This is a gift Learn more
Delete | Save for later

Subtotal (1 item): $12.85
Total savings: **$5.15**

Subtotal (1 item): $12.85
This order contains a gift
Proceed to checkout
or
Sign in to turn on 1-Click ordering.

Estimate your shipping and tax

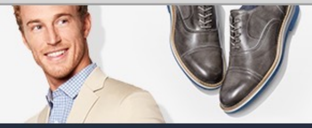
Customers Who Bought Hank Williams: The Biography Also Bought These Items from Other Categories

Hank Williams - 40 Gr...
› Hank Williams Sr.
★★★★★ (141)
$13.59

www.amazon.com/gp/cart/view.html/ref=nav_cart

S-Foc Ent RSG WS G Soc Apps lets News Save

Amazon.com Shopping Cart

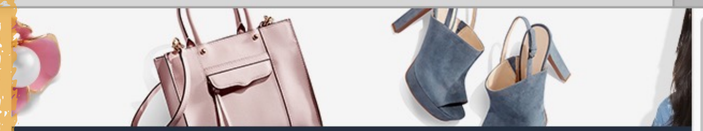


BEAUTIFUL THINGS

amazon Prime

All

Departments Shopping History



UPPORT DETROIT ACHIEVEMENT ACADEMY ›
rving 100% at-risk students

count Prime Lists 1 Cart

Safari is using an encrypted connection to www.amazon.com.

Encryption with a digital certificate keeps information private as it's sent to or from the https website www.amazon.com.

VeriSign Class 3 Public Primary Certification Authority - G5
↳ Symantec Class 3 Secure Server CA - G4
↳ www.amazon.com

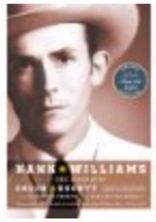
Issuer Name	
Country	US
Organization	Symantec Corporation
Organizational Unit	Symantec Trust Network
Common Name	Symantec Class 3 Secure Server CA - G4
Serial Number	1C 23 51 8E 20 42 CF 70 01 E3 9C 87 81 F7 D6 4B
Version	3
Signature Algorithm	SHA-256 with RSA Encryption (1.2.840.113549.1.1.11)
Parameters	none
Not Valid Before	Monday, November 16, 2015 at 6:00:00 PM Central Standard Time
Not Valid After	Friday, December 30, 2016 at 5:59:59 PM Central Standard Time

? Hide Certificate OK

DISCOVER Pay with Cashback Bonus

Ralph, as a Prime me
Cashback Bonus at An
Your Current Subtotal:
Promotion Code:
Cost After Savings:

Shopping Cart



Hank Williams: The Biog
Paperback
In Stock
For Scott Granneman's Wish Lis
Prime
This is a gift Learn more
Delete | Save for later

Subtotal (1 item): $12.85
Total savings: **$5.15**

Subtotal (1 item): $12.85
This order contains a gift

Proceed to checkout

or

Sign in to turn on 1-Click ordering.

Estimate your shipping and tax

Customers Who Bought Hank Williams: The Biography Also Bought These Items from Other Categories

Hank Williams - 40 Gr...
› Hank Williams Sr.
★★★★★ (141)
$13.59

Stripe, Inc stripe.com

S-Foc Ent RSG WS G Soc Apps lets News Save

Stripe

Safari is using an encrypted connection to stripe.com.

Encryption with a digital certificate keeps information private as it's sent to or from the https website stripe.com.

DigiCert Inc has identified stripe.com as being owned by Stripe, Inc in San Francisco, California, US.

Show Certificate

OK

stripe Features Pricing Help & Support Sign in

Payments infrastructure for the internet

Whether you're building a marketplace, mobile app, online storefront, or subscription service, Stripe has the features you need.

Explore the Stripe stack

Sign up

Stripe, Inc stripe.com

S-Foc Ent RSG WS G Soc Apps lets News Save

Stripe

stripe Features Pricing Help & Support Sign in

Payments infra internet

Whether you're buildi app, online storefront, Stripe has the features

Explore the Stripe stack

Safari is using an encrypted connection to stripe.com.

Encryption with a digital certificate keeps information private as it's sent to or from the https website stripe.com.

DigiCert Inc has identified stripe.com as being owned by Stripe, Inc in San Francisco, California, US.

- DigiCert High Assurance EV Root CA
  - DigiCert SHA2 Extended Validation Server CA
    - stripe.com

stripe.com

Issued by: DigiCert SHA2 Extended Validation Server CA

Expires: Monday, March 13, 2017 at 7:00:00 AM Central Daylight Time

This certificate is valid

Trust

Details

Subject Name	
Business Category	Private Organization
Inc. Country	US
Inc. State/Province	Delaware
Serial Number	4675506
Street Address	3180 18th St., Suite 100
Postal Code	94110

Hide Certificate

OK

Create your own SPACE

GET STARTED

Stripe, Inc stripe.com

S-Foc Ent RSG WS G Soc Apps lets News Save

Stripe

stripe Features Pricing Help & Support Sign in

Payments infra internet

Whether you're buildi app, online storefront, Stripe has the features

Explore the Stripe stack

Safari is using an encrypted connection to stripe.com.

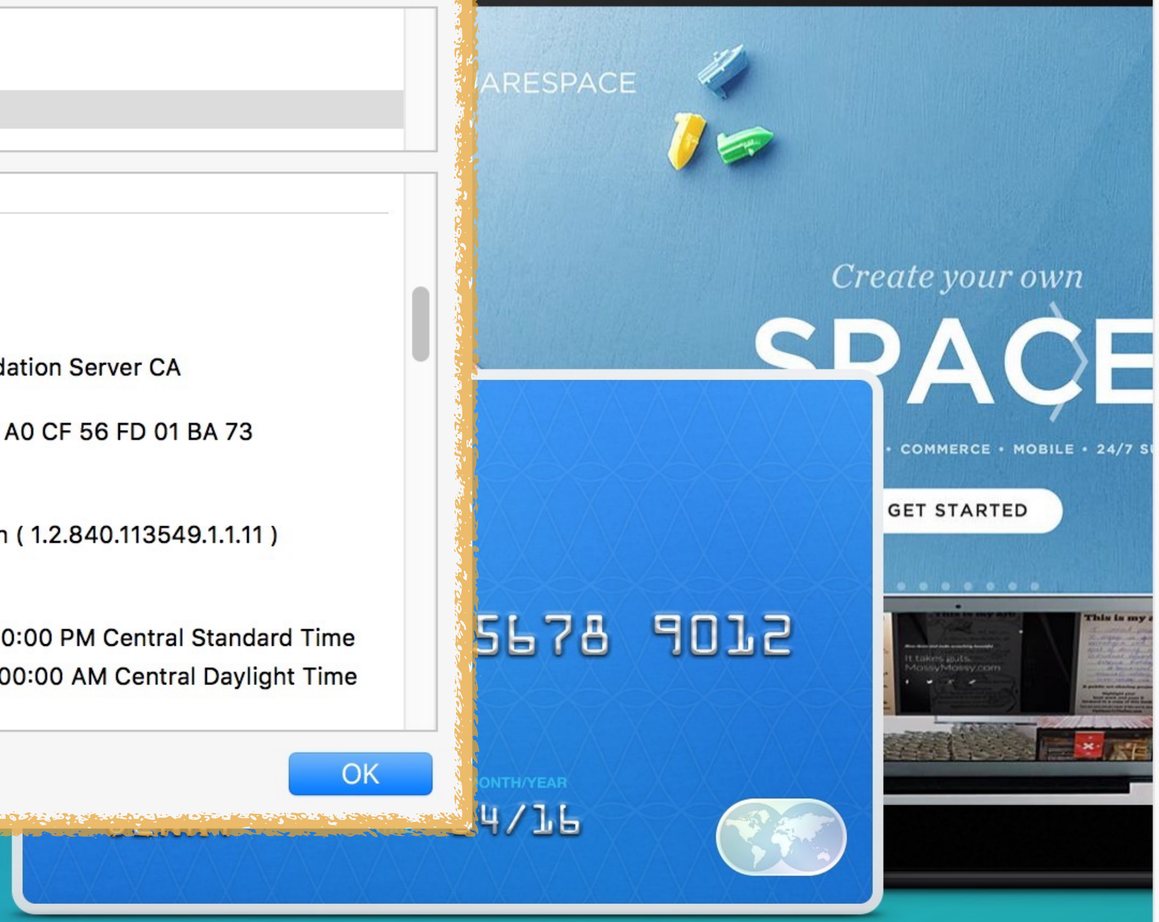
Encryption with a digital certificate keeps information private as it's sent to or from the https website stripe.com.

DigiCert Inc has identified stripe.com as being owned by Stripe, Inc in San Francisco, California, US.

- DigiCert High Assurance EV Root CA
  - DigiCert SHA2 Extended Validation Server CA
    - stripe.com

Issuer Name	
Country	US
Organization	DigiCert Inc
Organizational Unit	www.digicert.com
Common Name	DigiCert SHA2 Extended Validation Server CA
Serial Number	08 D5 F2 C6 0A 67 8C 22 B3 A0 CF 56 FD 01 BA 73
Version	3
Signature Algorithm	SHA-256 with RSA Encryption (1.2.840.113549.1.1.11)
Parameters	none
Not Valid Before	Monday, March 7, 2016 at 6:00:00 PM Central Standard Time
Not Valid After	Monday, March 13, 2017 at 7:00:00 AM Central Daylight Time

? Hide Certificate OK



Stripe

Stripe, Inc (US) https://stripe.com

Search

Stripe, Inc
Secure Connection

Permissions
You have not granted this site any special permissions.

Documentation Help & Support Sign in

Payments infrastructure for the internet

Whether you're building a marketplace, mobile app, online storefront, or subscription service, Stripe has the features you need.

Explore the Stripe stack Sign up

Stripe

Stripe, Inc (US) https://stripe.com

Search

Stripe, Inc

Secure Connection

You are securely connected to this site, run by:

Stripe, Inc
San Francisco
California, US

Verified by: DigiCert Inc

More Information

ucts

Documentation Help & Support Sign in

structure for the internet

Whether you're building a marketplace, mobile app, online storefront, or subscription service, Stripe has the features you need.

Explore the Stripe stack Sign up

Commercial certs are “built in” to all web browsers, so the browsers recognize the companies issuing the certs (*certificate authorities*) & the certs themselves

Everything is therefore transparent to the end user

	Options > Advanced > Security > View Certificates
	Internet Options > Content > Certificates
	Settings > Show Advanced... > Manage Certificates...
	Keychain Access app > Certificates

Certificate Manager

Your Certificates | Other People's | Web Sites | **Authorities**

You have certificates on file that identify these certificate authorities:

Certificate Name	Security Device
Equifax Secure Inc.	
Equifax Secure Global eBusiness ...	Builtin Object Token
Equifax Secure eBusiness CA-1	Builtin Object Token
GTE Corporation	
GTE CyberTrust Global Root	Builtin Object Token
GTE CyberTrust Root	Builtin Object Token
GeoTrust Inc.	
GeoTrust Global CA	Builtin Object Token
GlobalSign nv-sa	
GlobalSign Root CA	Builtin Object Token

View | Edit | Import | Delete

OK

Process for enabling SSL for a website

1. Get a certificate
2. Configure the web server's configuration file for the website to use SSL
3. Test

Getting an SSL Certificate

Acquire
Buy
Generate

Acquire

Hosting services usually offer certs as a value add

Registrars

What is an SSL certificate?

If you're doing business online, you need Secure Sockets Layer protection. SSL locks down your site visitors' sensitive data against fraud and identity theft. An SSL certificate provides encryption (scrambling of data to prevent tampering during transmission) and validation (verification of the business behind the website), and the end result is customer trust. When visitors to your website

Buy

Certificate providers

digicert® YOUR SUCCESS IS BUILT ON TRUST®

1.801.701.9600

My Account | Live Chat | English

SSL Certificates | Code Signing | PKI Solutions | Support | Partners | About Us

SSL Done Right Certificate Management Made Easy

» Single Click SSL Installation for Windows and Linux

» 5-Star Rated Customer Service, SSL Issued in Minutes

LEARN MORE

facebook. IBM YAHOO! vmware PayPal HSBC

As low as $139/yr

SSL Certificates

2048-Bit SSL Certificates with Strong Encryption & Authentication

BUY LEARN SSL Plus™ Certificates

BUY LEARN EV SSL Plus Certificates

BUY LEARN Multi-Domain (SAN)

BUY LEARN EV Multi-Domain

Multi-Domain (SAN)

Up to 25 Domains on a Single Certificate

LEARN MORE

Enterprise Managed PKI

Discover & Manage SSL in the Enterprise

LEARN MORE

Renew Now

Renew Your Existing Certificates

Internet of Things

Scalable Security for IoT Networked Devices

Generate

Certificates cost $ (sometimes a lot!)

Your web server can also generate its own cert for free

Why not just use the free cert?

If the web server generates the cert itself, it is *self-signed*

The user's web browser doesn't have a built-in certificate identifying the certificate authority (because it's your server saying that it can be trusted!)

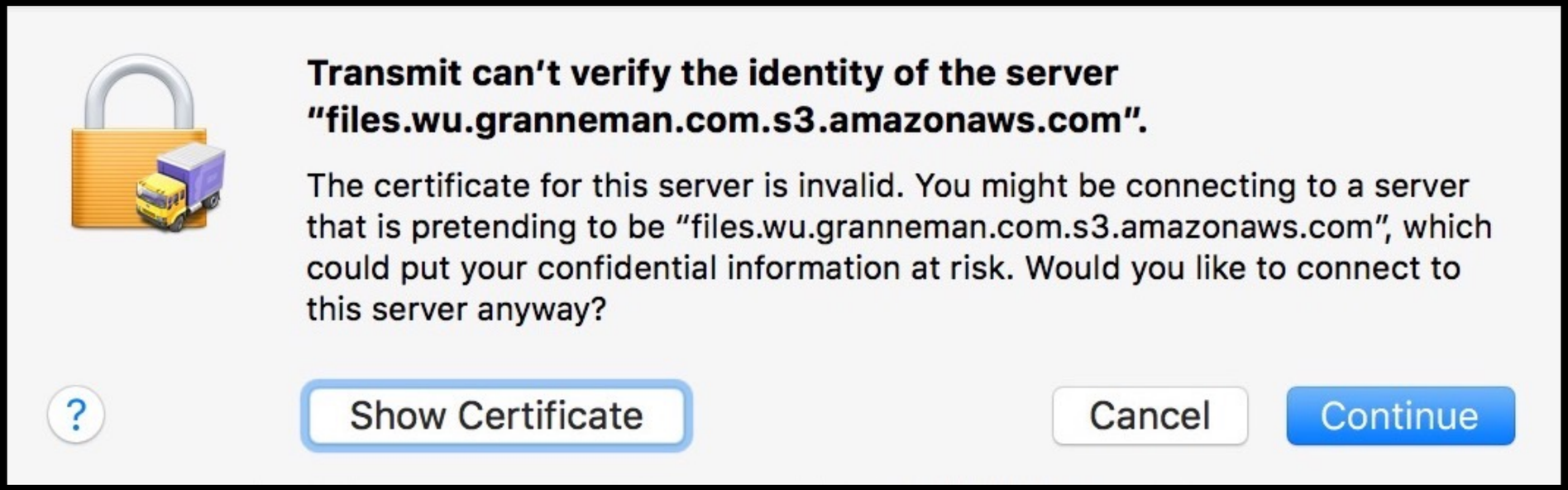
Therefor, the user sees a scary warning

The site's security certificate is not trusted!

You attempted to reach **corp.websanity.com**, but the server presented a certificate issued by an entity that is not trusted by your computer's operating system. This may mean that the server has generated its own security credentials, which Chromium cannot rely on for identity information, or an attacker may be trying to intercept your communications. You should not proceed, **especially** if you have never seen this warning before for this site.

Proceed anyway | Back to safety

▶ Help me understand


Transmit can't verify the identity of the server "files.wu.granneman.com.s3.amazonaws.com".
The certificate for this server is invalid. You might be connecting to a server that is pretending to be "files.wu.granneman.com.s3.amazonaws.com", which could put your confidential information at risk. Would you like to connect to this server anyway?
?
Show Certificate
Cancel
Continue

Transmit can't verify the identity of the server "files.wu.granneman.com.s3.amazonaws.com".

The certificate for this server is invalid. You might be connecting to a server that is pretending to be "files.wu.granneman.com.s3.amazonaws.com", which could put your confidential information at risk. Would you like to connect to this server anyway?

☐ Always trust "*.s3.amazonaws.com" when connecting to "files.wu.granneman.com.s3.am..."

- Baltimore CyberTrust Root
  - ↳ DigiCert Baltimore CA-2 G2
    - ↳ *.s3.amazonaws.com

***.s3.amazonaws.com**

Issued by: DigiCert Baltimore CA-2 G2

Expires: Tuesday, October 25, 2016 at 7:00:00 AM Central Daylight Time

This certificate is marked as trusted for "files.granneman.com.s3.amazonaws.com"

▶ **Trust**

▶ **Details**

? Hide Certificate Cancel Continue

Let’s Encrypt

Let's Encrypt is a new Certificate Authority:

It's free, automated, and open.

Get Started

FROM OUR BLOG

Apr 12, 2016

Leaving Beta, New Sponsors

Let's Encrypt is leaving beta today. We're also excited to announce that founding sponsors Cisco and Akamai have renewed their Platinum sponsorships with 3-year

MAJOR SPONSORS

mozilla Akamai CISCO EFF

OVH.com chrome IdenTrust Internet Society

Configuration

A website has to be configured on its web server to use SSL

Testing

SSL Server Test

This free online service performs a deep analysis of the configuration of any SSL web server on the public Internet. **Please note that the information you submit here is used only to provide you the service. We don't use the domain names or the test results, and we never will.**

Hostname: Submit

Do not show the results on the boards

Recently Seen

customer-creator.zoho.com	
www.thedairygodmother.com	Err
customer-discussions.zoho.co ...	
customer-enduserexp.com	
css.zohostatic.com	
css-ro.zohostatic.com	
dairygodmother.com	
crmplus.zoho.com	A+
crmkbase.zoho.com	A

Recent Best

crmplus.zoho.com	A+
crmlab.zoho.com	A+
spiritaslol.com	A+
creatorexport.zoho.com	A+
crm-salesinbox.zoho.com	A+
nolp.dhl.de	A-
dancorsolutions.com	A-
mailarchiv.geis-group.de	B
panel.smgkrc.com.pl	C

Recent Worst

www.prestotakeaway.co.uk	T
send.hmgplus.com	F
cawi.tnsglobal.pl	F
host230-48-static.19-80-b.bu ...	T
remoteoffice.wragge.com	F
psim.sintesics.it	F
msix.ed.gov	F
tsr.ch	T
sonderpreis-baumarkt24.de	T

Backup

rsync.net

Remote backup on ZFS filesystem using rsync over SSH

rsync.net

$.08/GB/month & up

rsync.net

Cloud Storage for Offsite Backups

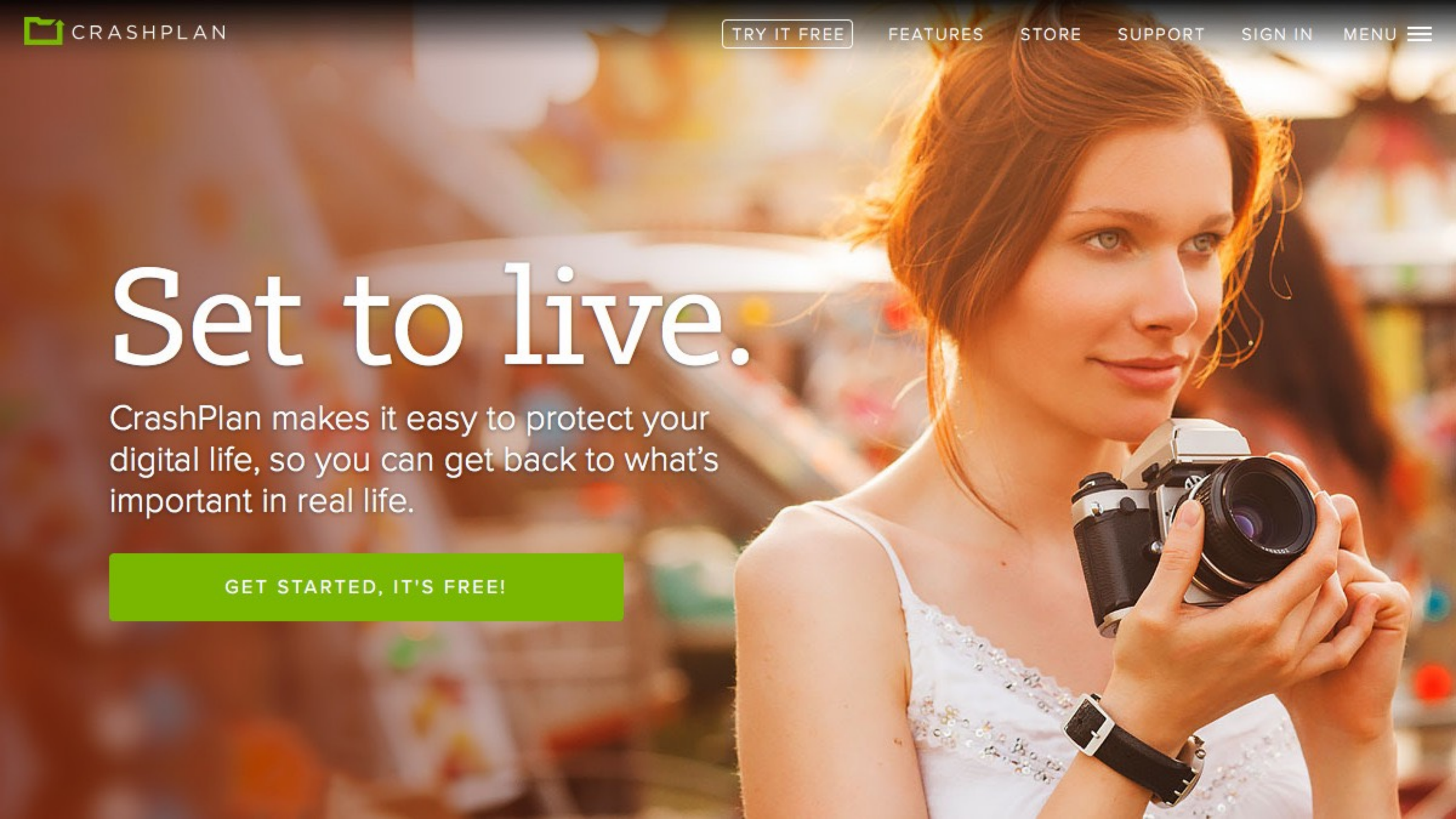
“Create an SSH key, write and run one or more rsync commands, and place into your crontab. Simple.”

CrashPlan

Encrypted cloud backup

www.crashplan.com

$4/month


CRASHPLAN
TRY IT FREE
FEATURES
STORE
SUPPORT
SIGN IN
MENU
Set to live.
CrashPlan makes it easy to protect your digital life, so you can get back to what's important in real life.
GET STARTED, IT'S FREE!

CrashPlan

CRASHPLAN™

- Backup
- Restore
- Settings
- History
- Friends
- Destinations

Destinations

CrashPlan Central

Next backup in 10 minutes

To do:	189 files (34.5MB)
Completed:	664,175 files (164.3GB)
Last backup:	5 minutes ago

Friend (Free!)

Another Computer (Free!)

Folder (Free!)

Files

Applications > Git	27,341 files	493.3MB
private > var > spool > pdfwriter > rsgranne	74 files	39.8MB
Users > rsgranne > .bash_history	1 file	39KB
Users > rsgranne > .ec2	4 files	3.5KB
Users > rsgranne > .gitconfig	1 file	1KB
Users > rsgranne > .gitignore	1 file	1KB
Users > rsgranne > .gnupg	24 files	535.9KB
Users > rsgranne > .s3cfg	1 file	1.2KB
Users > rsgranne > .s3conf	2 files	1KB
Users > rsgranne > .ssh	21 files	75.9KB
Users > rsgranne > .viminfo	1 file	1.6KB
Users > rsgranne > .vimoutliner	7 files	11.4KB
Users > rsgranne > .vimrecent	1 file	1KB
Users > rsgranne > bin	2,950 files	71.3MB
Users > rsgranne > Desktop	3,236 files	1GB
Users > rsgranne > Documents	57 files	5.7MB
Users > rsgranne > Downloads	32,549 files	31.4GB

CrashPlan provides secure unlimited backup to multiple destinations. Add destinations to improve your CrashPlan:

Back up to a friend's computer and pay no monthly fees. Need more room? Attach an external drive to the PC.

Back up between your computers. Laptop to desktop, home to office, Mac to PC... it all works!

Back up directly to an attached drive. Move drive to a remote PC to continue offsite protection.

Back up to your favorite third-party provider online.

LOCAL AND OFFSITE	UNLIMITED ONLINE BACKUP TO OUR CLOUD	
Free	**Individual**	**Family**
Back up to other computers and external drives, free.	as low as **$5/mo.** with 1 year subscription	as low as **$12.50/mo.** with 1 year subscription
Includes 30 days of online backup!	1 Computer	2-10 Computers
Protect all personal data, (all file types and sizes) including video.	☐ Monthly ($5.99/mo.) ☑ **1 year ($5.00/mo.)** $59.99	☐ Monthly ($13.99/mo.) ☑ **1 year ($12.50/mo.)** $149.99
Download	Add to cart	Add to cart
✔ Available for Windows, Mac and Linux ✔ Back up to other computers	✔ Available for Windows, Mac and Linux ✔ Back up to other computers	

Monitoring

Munin

Monitors computers to show you historical & current data

munin-monitoring.org

$0 & open source

Munin is a networked resource monitoring tool that can help analyze resource trends and "what just happened to kill our performance?" problems. It is designed to be very plug and play. A default installation provides a lot of graphs with almost no work.

In Norse mythology Hugin and Munin are the ravens of the god king Odin. They flew all over Midgard for him, seeing and remembering, and later telling him. "*Munin*" means "*memory*".

Announcements

Latest development release 2.99.3

2015-09-08

This is the third "alpha" release before munin 3. Most, but not all functionality is implemented.

[documentation] [see on github] [download munin 2.99.3]

Latest stable release 2.0.25

2014-11-24

Munin 2.0.25 contains bug fixes.

[documentation] [see on github] [download munin 2.0.25]

Munin plugin gallery

2014-09-23

Browse description and graph images for Munin Plugins in the new Munin Gallery

About Munin

Munin the monitoring tool surveys all your computers and remembers what it saw. It presents all the information in graphs through a web interface. Its emphasis is on plug and play capabilities. After completing a installation a high number of monitoring plugins will be playing with no more effort.

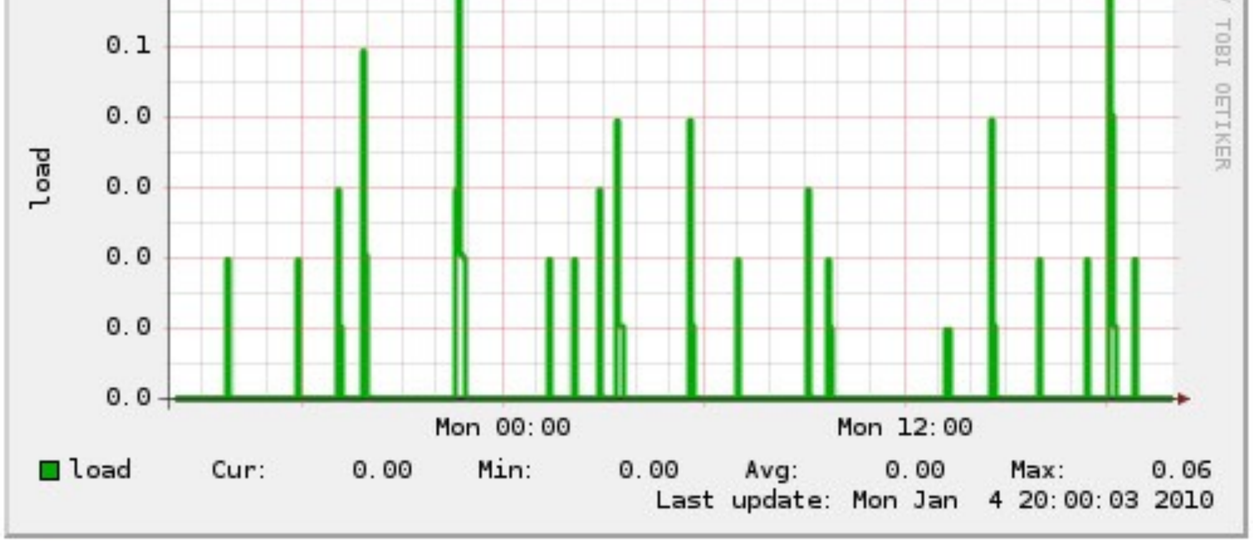
Using Munin you can easily monitor the performance of your computers, networks, SANs, applications, weather measurements and whatever comes to mind. It makes it easy to determine "what's different today" when a performance problem crops up. It makes it easy to see how you're doing capacity-wise on any resources.

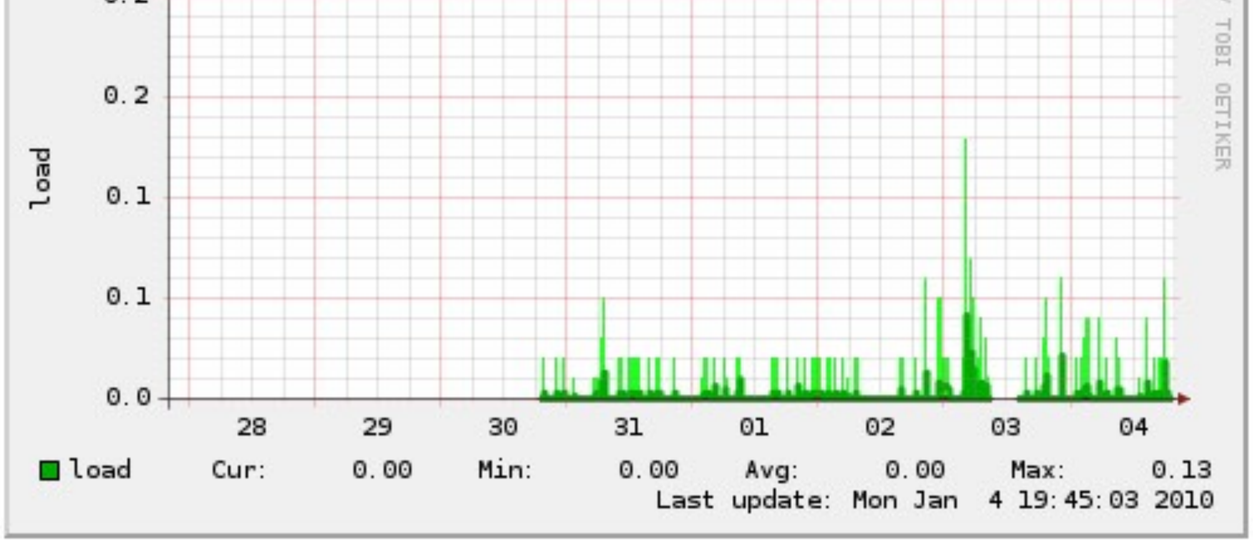
Munin uses the excellent RRDTool (written by Tobi Oetiker) and the framework is written in Perl, while plugins may be written in any language. Munin has a master/node architecture in which the master connects to all the nodes at regular intervals and asks them for data. It then stores the data in RRD files, and (if needed) updates the graphs. One of the main goals has been ease of creating new plugins (graphs).

Main Topics

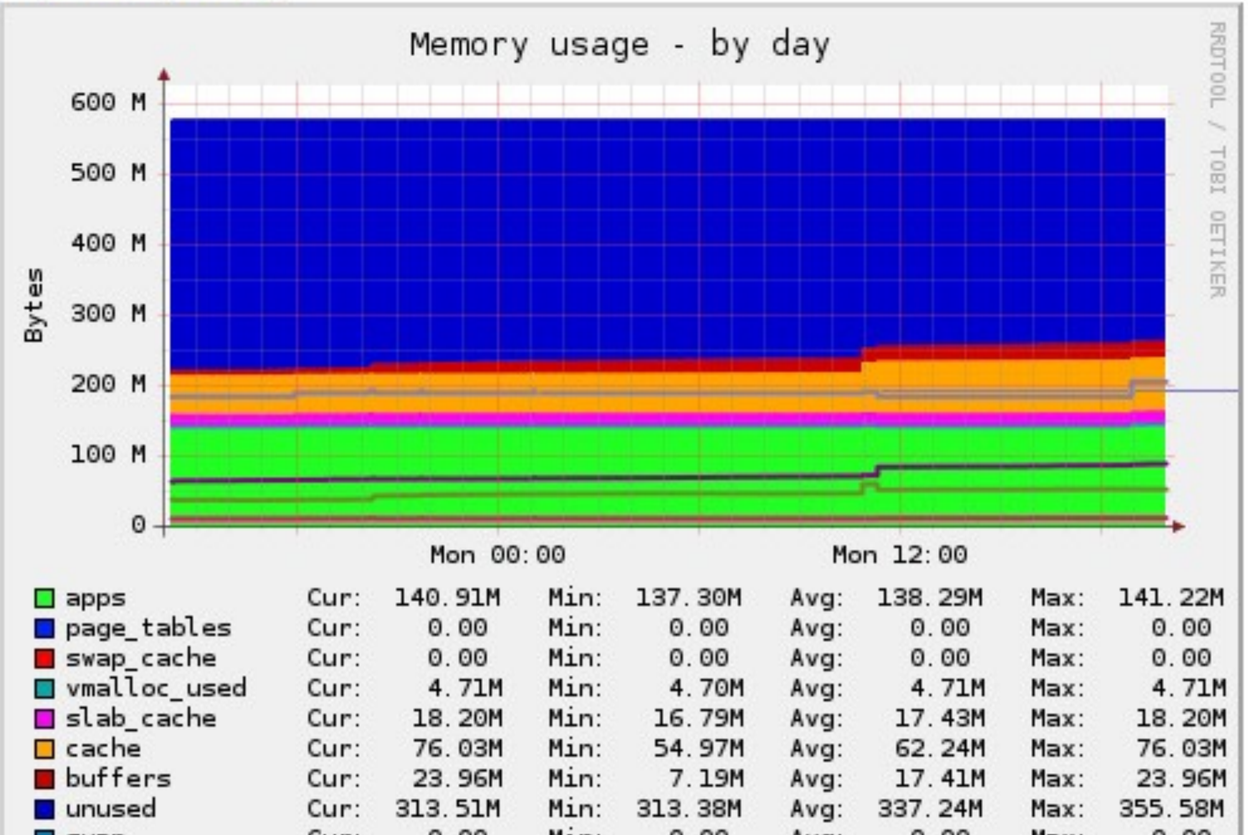
- FAQ
- Documentation
- Download
- Support
- Community
- Plugins
- Development

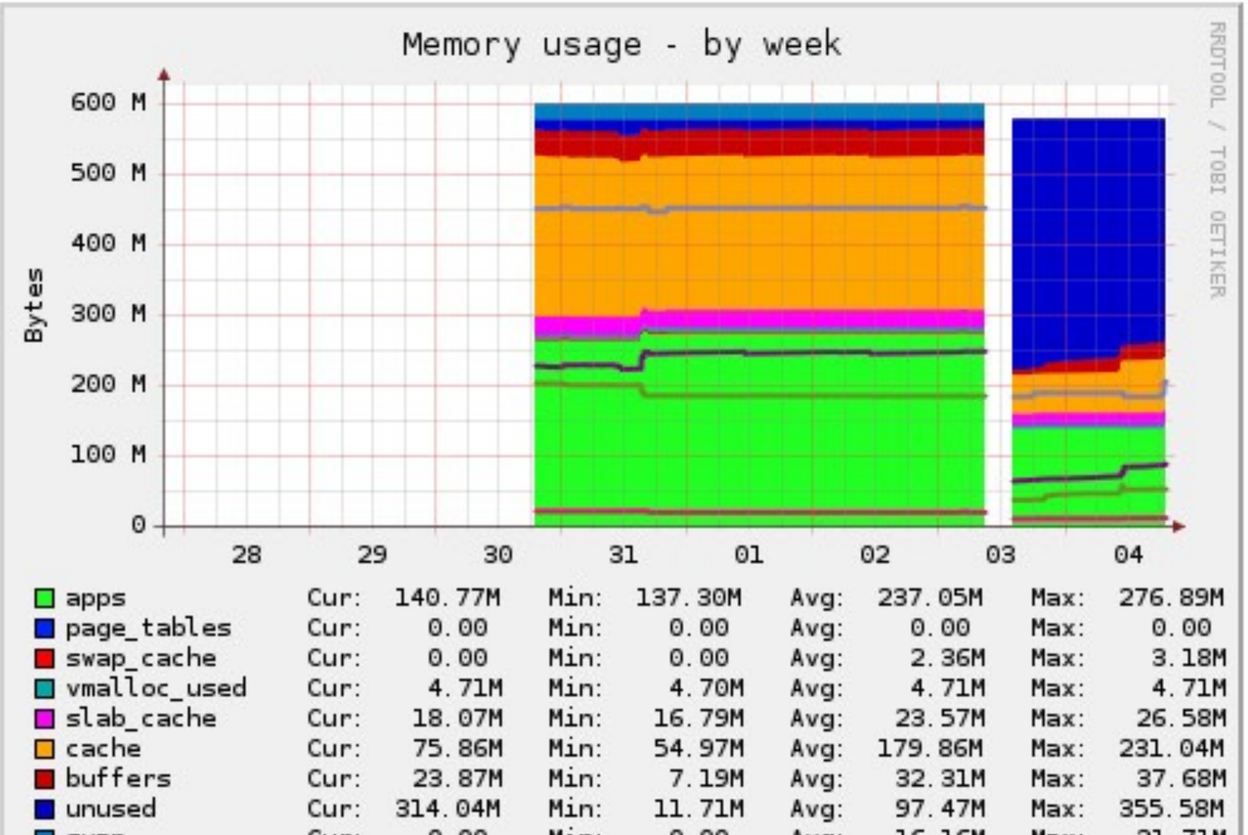
Getting munin





:: Memory usage





Monit

Monitors UNIX systems & conducts automatic maintenance & repair if problems are found

mmonit.com/monit/

$0 & open source

Up and running in 15 minutes!

With all features needed for system monitoring and error recovery. It's like having a watchdog with a toolbox on your server

MONIT

Barking at daemons

Monit Service Manager

Monit is running on freebsd80-x64 and monitoring:

System	Status	Load	CPU	Memory	Swap
freebsd80-x64	Running	[0.01] [0.01] [0.00]	0.6%us, 0.9%sy	57.9% [140.3 MB]	0.1% [408 kB]

Process	Status	Uptime	CPU Total	Memory Total
monit	Running	1d 19h 28m	0.6%	2.6% [6.4 MB]
sshd	Running	650d 11h 54m	0.0%	3.7% [9.0 MB]
postfix	Running	650d 11h 54m	0.0%	2.3% [5.6 MB]
mmonit	Running	274d 18h 5m	0.1%	4.6% [11.2 MB]
cron	Running	650d 11h 54m	0.0%	0.5% [1.2 MB]
devd	Running	650d 11h 54m	0.0%	0.1% [360 kB]
ntpd	Running	134d 21h 26m	0.0%	0.9% [2.3 MB]
syslogd	Running	650d 11h 54m	0.0%	0.5% [1.2 MB]
init	Running	650d 11h 54m	0.7%	17.5% [42.4 MB]

Program	Status	Output	Last started	Exit value
ok_test	Status ok	All is well on the western front	25 May 2016 08:52:24	0

Filesystem	Status	Space usage	Inodes usage
rootfs	Accessible	57.5% [4.2 GB]	34.9% [345388 objects]
rootfs-mntpoint	Accessible	57.5% [4.2 GB]	34.9% [345388 objects]

File	Status	Size	Permission	UID	GID
hosts	Accessible	1.8 kB	0644	0	0
hosts_md5	Waiting	-	-	-	-
hosts_sha1	Accessible	1.8 kB	0644	0	0
shells	Accessible	309 B	0644	0	0
shells_md5	Accessible	309 B	0644	0	0
shells_sha1	Accessible	309 B	0644	0	0

Net	Status	Upload	Download
em0	UP	5.4 kB/s	1.8 kB/s
em0-ipalias	UP	5.4 kB/s	1.8 kB/s
lo0	UP	4.3 kB/s	4.3 kB/s

Host	Status	Protocol(s)
www.mmonit.com	Online with all services	[HTTP] at port 443
tildeslash2	Online with all services	[Ping]

Copyright © 2001-2016 Tildeslash. All rights reserved. Monit web site | Monit Wiki | M/Monit

System status

Parameter	Value
Name	freebsd80-x64
Status	Running
Group	system
Monitoring status	Monitored
Monitoring mode	active
On reboot	start
Load average	[0.00] [0.00] [0.00]
Cpu	0.6%us 0.7%sy
Memory usage	140.4 MB [57.9%]
Swap usage	408 kB [0.1%]
Uptime	650d 11h 58m
Boot time	Wed, 13 Aug 2014 20:57:20
Data collected	Wed, 25 May 2016 08:56:04
Timeout	If restarted 3 times within 5 cycle(s) then exec '/usr/bin/true' repeat every 5 cycle(s)
CPU wait limit	If greater than 90.0% for 5 cycles then alert
CPU system limit	If greater than 90.0% for 5 cycles then alert
CPU user limit	If greater than 90.0% for 5 cycles then alert
CPU usage limit	If greater than 95.0% for 10 cycles then alert
Swap usage limit	If greater than 20.0% then alert
Memory usage limit	If greater than 75.0% for 5 cycles then alert
Memory usage limit	If greater than 90.0% then alert
Load average (15min)	If greater than 70.0 for 8 cycles then alert
Load average (5min)	If greater than 16.0 then alert
Load average (1min)	If greater than 24.0 then alert

Disable monitoring

Copyright © 2001-2016 Tildeslash. All rights reserved. Monit web site | Monit Wiki | M/Monit

Network status

Parameter	Value
Name	eth0
Interface	eth0
Status	UP
Monitoring status	Monitored
Monitoring mode	active
On reboot	start
Link	0 errors
Capacity	100 Mb/s full-duplex
Download bytes	14.6 kB/s (0.1% link saturation)
Upload bytes	4.0 kB/s (0.0% link saturation)
Download packets	30 per second
Upload packets	27 per second
Data collected	Wed, 25 May 2016 09:22:08
Link status	If failed then alert
Link capacity	If changed then alert
Link saturation	If greater than 10.0% then alert
Total upload bytes	If greater than 10 GB in last 24 hour(s) then alert
Total upload bytes	If greater than 1024 MB in last 2 hour(s) then alert
Total upload bytes	If greater than 500 MB in last 1 hour(s) then alert
Upload bytes	If greater than 10 MB/s for 20 cycles then alert
Total upload packets	If greater than 900000 packets in last 1 hour(s) then alert
Upload packets	If greater than 5000 packets/s for 10 cycles then alert
Total download bytes	If greater than 10 GB in last 24 hour(s) then alert
Total download bytes	If greater than 1024 MB in last 2 hour(s) then alert
Total download bytes	If greater than 500 MB in last 1 hour(s) then alert
Download bytes	If greater than 10 MB/s for 20 cycles then alert
Total download packets	If greater than 900000 packets in last 1 hour(s) then alert
Download packets	If greater than 5000 packets/s for 10 cycles then alert

Filesystem status

Parameter	Value
Name	rootfs
Path	/dev/da0s1a
Status	Accessible
Group	system
Monitoring status	Monitored
Monitoring mode	active
On reboot	start
Permission	640
Uid	0
Gid	5
Filesystem flags	0x205000
Block size	2 kB
Space total	7.3 GB (of which 8.0% is reserved for root user)
Space free for non superuser	2.5 GB [34.5%]
Space free total	3.1 GB [42.5%]
Inodes total	989182
Inodes free	643794 [65.1%]
Data collected	Wed, 25 May 2016 09:06:51
Permissions	If failed 640 then alert
UID	If failed 0 then alert
GID	If failed 5 then alert
Filesystem flags	If changed then alert
Inodes usage limit	If greater than 80.0% then alert
Space usage limit	If greater than 80.0% then alert

File status

Parameter	Value
Name	hosts
Path	/etc/hosts
Status	Accessible
Monitoring status	Monitored
Monitoring mode	active
On reboot	start
Permission	644
Uid	0
Gid	0
Size	1.8 kB
Timestamp	Sun, 18 Jul 2010 21:02:21
Checksum	cefc5cd4f4396f3d036196f6da62090b (MD5)
Data collected	Wed, 25 May 2016 09:08:03
Existence	If doesn't exist then restart
Checksum	If changed MD5 then alert

Remote Host status

Parameter	Value
Name	tildeslash2
Address	192.168.107.1
Status	Online with all services
Monitoring status	Monitored
Monitoring mode	active
On reboot	start
Ping response time	0.110 ms
Port response time	0.706 ms to 192.168.107.1:80/test.html type TCP/IP protocol HTTP
Data collected	Wed, 25 May 2016 09:11:33
Ping	If failed [count 3 size 64 with timeout 5 s] then alert
Port	If failed [192.168.107.1]:80/test.html type TCP/IP protocol HTTP with timeout 10 s then alert

```
[root@freebsd80-x64 ~]# monit status
The Monit daemon 5.18 uptime: 1d 19h 53m

System 'freebsd80-x64'
  status                       Running
  monitoring status            Monitored
  monitoring mode              active
  on reboot                    start
  load average                 [0.00] [0.00] [0.00]
  cpu                          0.7%us 1.2%sy
  memory usage                 141.0 MB [58.2%]
  swap usage                   408 kB [0.1%]
  uptime                       650d 12h 20m
  boot time                    Wed, 13 Aug 2014 20:57:20
  data collected               Wed, 25 May 2016 09:18:04

Process 'monit'
  status                       Running
  monitoring status            Monitored
  monitoring mode              active
  on reboot                    start
  pid                          62197
  parent pid                   1
  uid                          0
  effective uid                0
  gid                          0
  uptime                       1d 19h 53m
  threads                      3
  children                     1
  cpu                          0.7%
  cpu total                    0.7%
  memory                       2.9% [7.1 MB]
  memory total                 2.9% [7.1 MB]
  port response time           0.596 ms to localhost:2812 type TCP/IP  protocol HTTP
  data collected               Wed, 25 May 2016 09:18:04

Process 'sshd'
  status                       Running
  monitoring status            Monitored
  monitoring mode              active
  on reboot                    start
  pid                          888
  parent pid                   1
  uid                          0
  effective uid                0
  gid                          0
  uptime                       650d 12h 19m
  threads                      1
  children                     2
  cpu                          0.0%
  cpu total                    0.6%
  memory                       1.0% [2.5 MB]
  memory total                 3.7% [9.1 MB]
  port response time           16.845 ms to localhost:22 type TCP/IP  protocol SSH
  data collected               Wed, 25 May 2016 09:18:04
```

fail2ban

Command line program that scans server logs & bans IP address that act maliciously

www.fail2ban.org

$0 & open source

Main Page

Fail2ban scans log files (e.g. `/var/log/apache/error_log`) and bans IPs that show the malicious signs -- too many password failures, seeking for exploits, etc. Generally Fail2Ban is then used to update firewall rules to reject the IP addresses for a specified amount of time, although any arbitrary other **action** (e.g. sending an email) could also be configured. Out of the box Fail2Ban comes with **filters** for various services (apache, courier, ssh, etc).

Fail2Ban is able to reduce the rate of incorrect authentications attempts however it cannot eliminate the risk that weak authentication presents. Configure services to use only two factor or public/private authentication mechanisms if you really want to protect services.

More about Fail2ban

Fail2ban

ChangeLog (List of changes)
Requirements (Needed requirements for ***Fail2ban***)
Features (List of current and planned features)
Issues (Bugtracker)
Screenshots (Screenshots)
Downloads (***Fail2ban*** for your distribution)
Presentations (Past presentations (slides, videos))
Links (Links related to ***Fail2ban***)
Mailing list (Support and discussions)
HOWTO Seek Help
Google+

Documentation

README (Official README file)
Manual (Official ***Fail2ban*** documentation)
Configuration (Configuration related to external software)

News

2015/08/01 0.9.3 is a big bugfix and new functionality release. Release Notes for 0.9.3.

2015/04/29 0.9.2 is a big bugfix and new functionality release. Release Notes for 0.9.2.

2014/10/28 0.9.1 is a big bugfix and new functionality release. Release Notes for 0.9.1.

2014/08/19 0.8.14 is a minor bugfix release primarily to fix Python 2.4 compatibility. Release Notes for 0.8.14.

More News

Latest versions

stable	: fail2ban-0.9.3
very-stable	: fail2ban-0.8.14
dont-wanna-be-released-ever-again -- 0.8.x fixes	: GIT 0.8 branch
yet-to-be-released -- 0.9.x fixes	: GIT master branch

From	Subject	Date Received
Fail2Ban	[Fail2Ban] ws-c5-probers: banned 118.211.99.215 from gawain.websanity.com	Today 2:24 AM
Fail2Ban	[Fail2Ban] ws-c5-probers: banned 27.106.101.131 from gawain.websanity.com	Today 2:26 AM
Fail2Ban	[Fail2Ban] ws-c5-probers: banned 123.231.107.246 from gawain.websanity.com	Today 2:27 AM
Fail2Ban	[Fail2Ban] ws-c5-probers: banned 171.50.179.216 from gawain.websanity.com	Today 2:29 AM
Fail2Ban	[Fail2Ban] ws-c5-probers: banned 185.66.193.69 from gawain.websanity.com	Today 2:29 AM
Fail2Ban	[Fail2Ban] ws-c5-probers: banned 71.29.91.195 from gawain.websanity.com	Today 2:30 AM
Fail2Ban	[Fail2Ban] ws-c5-probers: banned 36.71.147.98 from gawain.websanity.com	Today 2:31 AM
Fail2Ban	[Fail2Ban] ws-c5-probers: banned 43.225.23.65 from gawain.websanity.com	Today 2:32 AM
Fail2Ban	[Fail2Ban] ws-c5-probers: banned 217.71.44.179 from gawain.websanity.com	Today 2:32 AM
Fail2Ban	[Fail2Ban] ssh: banned 123.31.31.157 from lancelot.websanity.com	Today 2:37 AM
Fail2Ban	[Fail2Ban] ws-c5-probers: banned 39.111.12.140 from gawain.websanity.com	Today 2:37 AM
Fail2Ban	[Fail2Ban] ws-c5-probers: banned 182.59.130.147 from gawain.websanity.com	Today 2:40 AM
Fail2Ban	[Fail2Ban] ws-c5-probers: banned 175.138.194.232 from gawain.websanity.com	Today 2:43 AM
Fail2Ban	[Fail2Ban] ws-c5-probers: banned 156.205.71.50 from gawain.websanity.com	Today 2:44 AM
Fail2Ban	[Fail2Ban] ws-c5-probers: banned 197.14.51.63 from gawain.websanity.com	Today 2:47 AM
Fail2Ban	[Fail2Ban] ws-c5-probers: banned 86.34.163.130 from gawain.websanity.com	Today 2:49 AM
Fail2Ban	[Fail2Ban] ws-c5-probers: banned 49.150.224.58 from gawain.websanity.com	Today 2:56 AM
Fail2Ban	[Fail2Ban] ws-c5-probers: banned 41.21.226.84 from gawain.websanity.com	Today 2:57 AM
Fail2Ban	[Fail2Ban] ws-c5-probers: banned 175.136.222.166 from gawain.websanity.com	Today 2:58 AM
Fail2Ban	[Fail2Ban] ws-c5-probers: banned 103.215.53.47 from gawain.websanity.com	Today 2:59 AM
Fail2Ban	[Fail2Ban] ssh: banned 163.172.158.5	Today 3:00 AM
Fail2Ban	[Fail2Ban] ws-c5-probers: banned 210.91.40.66 from gawain.websanity.com	Today 3:01 AM
Fail2Ban	[Fail2Ban] ws-c5-probers: banned 93.191.207.154 from gawain.websanity.com	Today 3:01 AM
Fail2Ban	[Fail2Ban] ws-c5-probers: banned 27.130.235.137 from gawain.websanity.com	Today 3:02 AM
Fail2Ban	[Fail2Ban] ws-c5-probers: banned 41.66.45.93 from gawain.websanity.com	Today 3:06 AM
Fail2Ban	[Fail2Ban] ws-c5-probers: banned 2.237.78.101 from gawain.websanity.com	Today 3:06 AM
Fail2Ban	[Fail2Ban] ws-c5-probers: banned 80.101.34.145 from gawain.websanity.com	Today 3:08 AM
Fail2Ban	[Fail2Ban] ws-c5-probers: banned 109.103.138.53 from gawain.websanity.com	Today 3:10 AM
Fail2Ban	[Fail2Ban] ws-c5-probers: banned 201.6.177.87 from gawain.websanity.com	Today 3:10 AM
Fail2Ban	[Fail2Ban] ws-c5-probers: banned 81.96.63.92 from gawain.websanity.com	Today 3:10 AM
Fail2Ban	[Fail2Ban] ws-c5-probers: banned 109.92.82.32 from gawain.websanity.com	Today 3:10 AM
Fail2Ban	[Fail2Ban] ws-c5-probers: banned 49.146.203.18 from gawain.websanity.com	Today 3:14 AM
Fail2Ban	[Fail2Ban] ws-c5-probers: banned 41.234.241.90 from gawain.websanity.com	Today 3:14 AM

[Fail2Ban] ws-c5-probers: banned 175.136.222.166 from gawain.websanity.com

Tag

From: Fail2Ban <gawain@websanity.com>
Subject: [Fail2Ban] ws-c5-probers: banned 175.136.222.166 from gawain.websanity.com
Date: January 11, 2017 at 2:58 AM
To: alerts@websanity.com

Hi,

The IP 175.136.222.166 has just been banned by Fail2Ban after
2 attempts against ws-c5-probers.

Here are more information about 175.136.222.166:

```
% [whois.apnic.net]
% Whois data copyright terms    http://www.apnic.net/db/dbcopyright.html

% Information related to '175.136.222.0 - 175.136.222.255'

inetnum:        175.136.222.0 - 175.136.222.255
netname:        UNIFIBIZ-CENTRAL-KLJ
descr:          UNIFIBIZ-CENTRAL-KLJ
country:        MY
admin-c:        EAK2-AP
tech-c:         EAK2-AP
status:         ASSIGNED NON-PORTABLE
mnt-by:         MAINT-AP-STREAMYX
mnt-lower:      MAINT-AP-STREAMYX
mnt-routes:     MAINT-AP-STREAMYX
mnt-irt:        IRT-TMNST-MY
```

[Fail2Ban] ws-c5-probers: banned 175.136.222.166 from gawain.websanity.com

Tag

From: Fail2Ban <gawain@websanity.com>
Subject: [Fail2Ban] ws-c5-probers: banned 175.136.222.166 from gawain.websanity.com
Date: January 11, 2017 at 2:58 AM
To: alerts@websanity.com

```
nic-hdl:      EAK2-AP
e-mail:       abuse@tm.com.my
address:      Telekom Malaysia
address:      Jalan Pantai Baru, Kuala Lumpur.
phone:        +6-03-83185434
fax-no:       +6-03-22402126
country:      MY
changed:      fuwaizah@tm.net.my 20080918
mnt-by:       TM-NET-AP
abuse-mailbox:  abuse@tm.com.my
source:       APNIC

% This query was served by the APNIC Whois Service version 1.69.1-APNICv1r0 (UNDEFINED)


Lines containing IP:175.136.222.166 in /var/log/concrete5/404.log

[Tue Jan 10 22:05:00 2017] [175.136.222.166] Not Found: www.diocesemo.org/wp-login.php
[Wed Jan 11 02:58:35 2017] [175.136.222.166] Not Found: www.towergrovechurch.org/wp-login.php


Regards,

Fail2Ban
```

Passwords

1Password

Powerful & easy-to-use password (& much more!) safe

agilebits.com/onepassword

$50

Search Demo Vault

- All Items 40
- Favorites 12

CATEGORIES

- Logins 28
- Secure Notes 1
- Credit Cards 3
- Identities 3
- Driver Licenses 1
- Reward Programs 1
- Software Licenses 3

FOLDERS

TAGS

SECURITY AUDIT

Trash

Title	Website	Username	Passwor...	Modified	Created
Amazon	amazon.com	wendy_appleseed		2014-03-27	2009-07-10
appshopper.com	appshopper.com	wendyappleseed		2012-11-17	2012-11-17
Ars Technica	arstechnica.com	wendy_appleseed		2012-11-07	2011-09-07
Bank of America Savings	bankofamerica.com	321932112932122		2012-11-07	2009-07-10
BrokenArrowWear	brokenarrowwea...	wendyappleseed		2012-11-07	2012-08-13
Citibank (business)	citi.com	852083482143		2012-11-07	2009-07-10
Citibank (personal)	citi.com	324328926325		2012-11-07	2009-07-10
daringfireball.net	daringfireball.net	wendy.h.applese...		2012-11-07	2012-08-13
Dropbox	dropbox.com	wendyappleseed...		2012-11-07	2011-06-20
eBay	ebay.com	wendy.appleseed		2012-11-07	2009-07-10
etsy.com	etsy.com	wendyappleseed		2013-04-05	2013-04-05
Evernote	evernote.com	wendy-appleseed		2012-11-07	2011-09-07
Facebook	facebook.com	wendy.h.applese...		2012-11-07	2012-08-13
Fitbit	fitbit.com	wendy.h.applese...		2012-08-14	2012-08-13
GMail (personal)	google.com	wendy.h.appleseed		2012-11-07	2012-08-13
iMore Forums	imore.com	wendy.appleseed		2012-11-07	2009-10-10

Bank of America Savings

copy

username 321932112932122

password HtvWUaNdonc2HAJqaVib

strength

website www.bankofamerica.com

show web form details

Edit

Demo

All Items 46
Favorites 12

Categories

Logins 31
Secure Notes 4
Credit Cards 3
Identities 3
Reward Programs 1
Driver Licenses 1
Software Licen... 3

Folders

Tags

Security Audit

Watchtower
Weak Passwords 1
Duplicate Passwords
3+ years old 6
1-3 years old 23
6-12 months old 4

Trash

Search Demo Vault

Title	Version	Modified	Created
Alfred Powerpack	1.3	2012-11-22	2012-11-22
Kaleidoscope	2.0	2014-09-15	2012-11-22
TextExpander	2.8	2014-09-15	2012-10-31

Password
Social Security Number
Passport
Bank Account
Outdoor License
Wireless Router
Server
Database
Email Account
Membership

Login
Secure Note
Credit Card
Identity
Reward Program
Driver's License
Software License

Software License

Kaleidoscope

Section

ersion 2.0

se key ABCD-1234-EFGH-5678

Customer

sed to Wendy Appleseed

Publisher

l page http://www.kaleidoscopeapp.com

blisher Black Pixel LLC

ebsite http://www.kaleidoscopeapp.com

Edit

Demo

All Items 2

Favorites

Categories

Logins 2

Secure Notes

Credit Cards

Identities

Tags

Security Audit

Trash

Search Demo Vault

2 items sorted by Title

Amazon
hp@lovecraft.com

Google
hp@lovecraft.com

Google

username	hp@lovecraft.com
password	nm67EuMhc2aM3k2LJ7yVpMP6pvZomXkQgz3

Regenerate Password

Characters | Words

length	35
digits	8
symbols	0

Avoid ambiguous characters

tags Google

show web form details

display	Never display in browser
submit	Submit when enabled

Related Items

Link Existing | Add New File

last modified	Jan 11, 2017 at 10:26 AM
created	Nov 29, 2010 at 4:36 PM

Move to Trash

Cancel | Save

Demo

All Items 2

Favorites

Categories

Logins 2

Secure Notes

Credit Cards

Identities

Tags

Security Audit

Trash

Search Demo Vault

2 items sorted by Title

Amazon
hp@lovecraft.com

Google
hp@lovecraft.com

Google

username	hp@lovecraft.com
password	neoprene-suiting-sherry-poem

Regenerate Password

Characters | Words

words 4

separator: hyphen, space, period, comma, underscore

display	Never display in browser
submit	Submit when enabled

Related Items

Link Existing | Add New File

last modified	Jan 11, 2017 at 10:26 AM
created	Nov 29, 2010 at 4:36 PM

Move to Trash

Cancel | Save

Demo

- All Items 46
- Favorites 12

Categories

- Logins 31
- Secure Notes 4
- Credit Cards 3
- Identities 3
- Reward Programs 1
- Driver Licenses 1
- Software Licen... 3

Folders

Tags

Security Audit

- Watchtower
- Weak Passwords 1
- Duplicate Passwords
- 3+ years old 6
- 1-3 years old 23
- 6-12 months old 4

Trash

Search Demo Vault

Title	Website	Username	Passwor...	Modified	Created
Amazon	amazon.com	wendy.h.apples...		2014-09-15	2014-09-15
AppShopper	appshopper.com	wendyappleseed		2014-09-15	2014-09-15
Ars Technica	arstechnica.com	wendy_appleseed		2015-10-07	2014-09-15
Bank of America Savings	bankofamerica.c...	WendyAppleseed		2014-09-15	2014-09-15
Broken Arrow	brokenarrowwea...	wendyappleseed		2014-09-15	2014-09-15
Citibank (business)	citi.com	WendyApplesee...		2014-09-15	2014-09-15
Citibank (personal)	citi.com	WendyAppleseed		2014-09-15	2014-09-15
Daring Fireball	daringfireball.net	wendy.h.apples...		2014-09-15	2014-09-15
Dropbox	dropbox.com	wendy.h.apples...		2014-09-15	2014-09-15
eBay	ebay.com	wendy.appleseed		2014-09-15	2014-09-15
Etsy	etsy.com	wendyappleseed		2014-09-15	2014-09-15
Evernote	evernote.com	wendy-appleseed		2014-09-15	2014-09-15

Amazon

username	wendy.h.appleseed@gmail.com
password	KtLUcucVLaZCoZKxCcVdMQgyPEQHefAU
strength	
website	https://www.amazon.com/ap/signin?_encoding=UTF8&openid.assoc_handle=usflex&openid.claimed_id=http%3A%2F...

show web form details

last modified	Sep 15, 2014 at 10:59 PM
created	Sep 15, 2014 at 10:32 PM

Edit

Enpass

Full-featured, cross-platform password (& more) safe

www.enpass.io

$0 desktop / $10 mobile

Enpass

File Edit Item View Tools Window Help

Search

All Items 17
Favorites

Categories
Login
Credit card
Finance
Computer
License
Password
Secure note
Travel
Miscellaneous

Folders
Personal
Social

Password Audit
Weak
Duplicate
Old

Amazon
s.smithpaull@gmail.com

Bank account
Bank of America

Club Membership
Dinners club card

Credit card
***** 5796

Driving license
NHJ3456284

Dropbox
s.smithpaull@gmail.com

Ebay
s.smithpaull@gmail.com

Evernote
s.smithpaull@gmail.com

Facebook
s.smithpaull@gmail.com

Family Helath policy
Family Health Policy

Google Neo
neothomas8@gmail.com

Dropbox

Email	s.smithpaull@gmail.com
Password	●●●●●
Strength	Very Strong
Url	www.dropbox.com
TOTP	706216

Last modified Tuesday 19 April 2016 6:14:39 PM IST

Password History

Auto-Submit Login

Dropbox - Sign in

Dropbox, Inc [US] https://www.dropbox.com/login?src=logout

Sign in

Email

Password

Remember me

Sign in

Forgot your password?

Master Password

Unlock

Dropbox - Sign in

Dropbox, Inc [US] https://www.dropbox.com/login?src=logout

Type to search

Dropbox

Email
s.smithpaull@gmail.com

Password
●●●●●

Url
www.dropbox.com

TOTP
466183

Sign in

s.smithpaull@gmail.c

••••••••••••

Remember me

Sign in

Forgot your password?

Enpass

File Edit Item View Tools Window Help

Search

All Items
Favorites

Categories
Login
Credit card
Finance
Computer
License
Password
Secure note
Travel
Miscellaneo

Folders

Password Audit
Weak
Duplicate
Old

Settings

General | Security | Sync | Browser | Advanced

Browser Extensions Install Browser Extensions

- [x] **Enable browser extensions**
- [ ] Verify browsers

Enpass communicates with browsers after verifying them through code signatures. For security reasons it is recommended to enable this verification, otherwise you can disable it to let Enpass communicate with unsigned browsers.

- [x] Auto-submit pages after filling logins
- [x] Ask to save new logins
- [ ] Match URL hostname

(Skip these domains)

Keyboard shortcuts Alt+Z

To fill login details on current webpage.

Enpass

File Edit Item View Tools Window Help

Search

All Items
Favorites

Categories
Login
Credit card
Finance
Miscellaneous
Computer
License
Password
Secure note
Travel

Folders
Personal
Social

Password Audit
Weak
Duplicate
Old

Settings

General | Security | Sync | Browser | Advanced

Sync with
None
Dropbox
Google Drive
OneDrive
Box
Folder
WebDAV/ownCloud

Account Info
il.com)

Status
Last synchronized:
Thursday 3 September 2015 3:51:22 PM IST

Last attempt:
Thursday 3 September 2015 3:51:22 PM IST

Sync Now

paull.smith

Stop using insecure text files to save online accounts

Secure them with Enpass password manager

GET IT FREE

The most cost-effective password manager

No sign-up required. Just download and use.

Desktop
(Pro)

$0

Lifetime license

No restriction

Autofill using browser extension

Offline with optional cloud sync

Email/Forum support

Mobile
(Trial)

$0

--

Stores upto 20 items

In-app & browser autofill

Offline with optional cloud sync

Email/Forum support

Mobile
(Pro)

$9.99 */platform*

Lifetime license

No restriction

In-app & browser autofill

Offline with optional cloud sync

Email/Forum support

Thank you!

scott@granneman.com
www.granneman.com
ChainsawOnATireSwing.com
@scottgranneman

jans@websanity.com
websanity.com

Your Digital Toolbox

Software, Tips, & Tricks for Web Developers (& Other Creatives)

R. Scott Granneman & Jans Carton

© 2017 R. Scott Granneman
Last updated 2020-06-17
You are free to use this work, with certain restrictions.
For full licensing information, please see the last slide/page.

Changelog

2020-06-17 1.3: Removed Fargo

2018-01-18 1.2: Changed theme to Granneman 1.5; fixed minor formatting issues; expanded bad domain names, with screenshots

Changelog

2018-01-18 1.1: Changed theme to Granneman 1.3; fixed formatting; added Enpass; Added Windows modifier keys; add Draft to Collaboration; added slides for CodeKit, Monit, CrashPlan, & others; lots of little fixes & improvements; better wording in a few places; more on OmniOutliner; improved pre-processors; added the Finger

2016-04-27 1.0: First version

Licensing of this work

This work is licensed under the Creative Commons Attribution-ShareAlike 4.0 International License.

To view a copy of this license, visit http://creativecommons.org/licenses/by-sa/4.0/.

You are free to:

» *Share* — copy and redistribute the material in any medium or format
» *Adapt* — remix, transform, and build upon the material for any purpose, even commercially

Under the following terms:

Attribution. You must give appropriate credit, provide a link to the license, and indicate if changes were made. You may do so in any reasonable manner, but not in any way that suggests the licensor endorses you or your use. Give credit to:

Scott Granneman • www.granneman.com • scott@granneman.com

Share Alike. If you remix, transform, or build upon the material, you must distribute your contributions under the same license as the original.

No additional restrictions. You may not apply legal terms or technological measures that legally restrict others from doing anything the license permits.

Questions? Email scott@granneman.com