

Parlez-Vous HTTP?

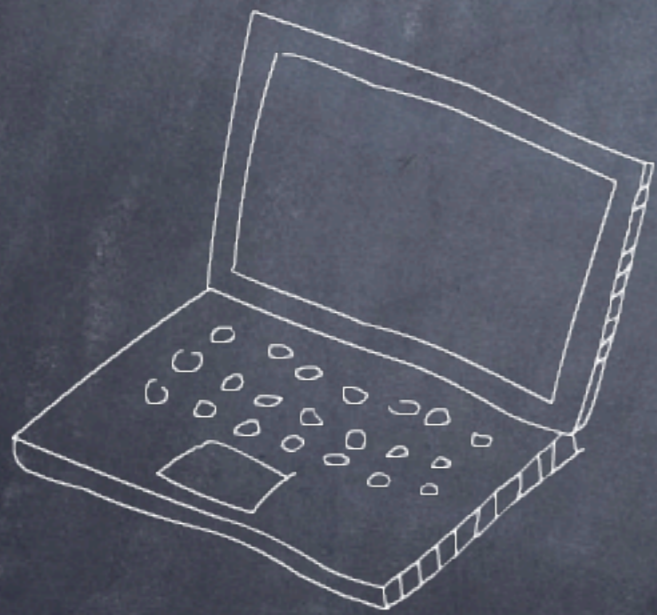
Frédéric Jean
Principal Software Engineer
Snugg Home LLC

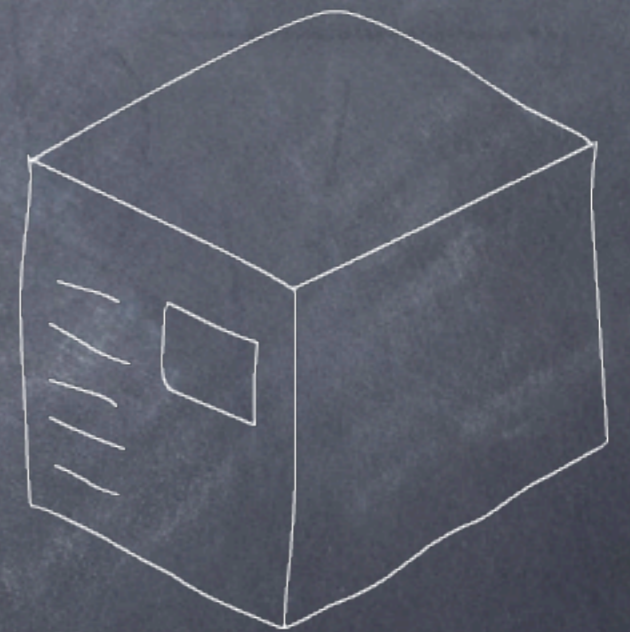
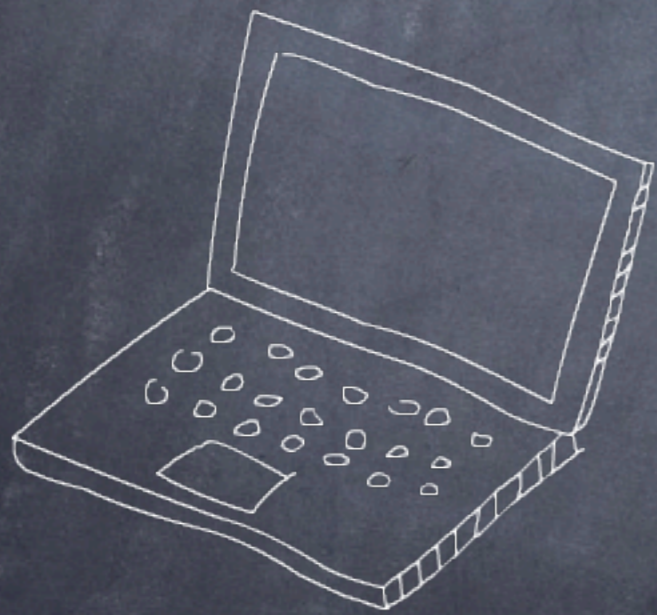
@fredjean

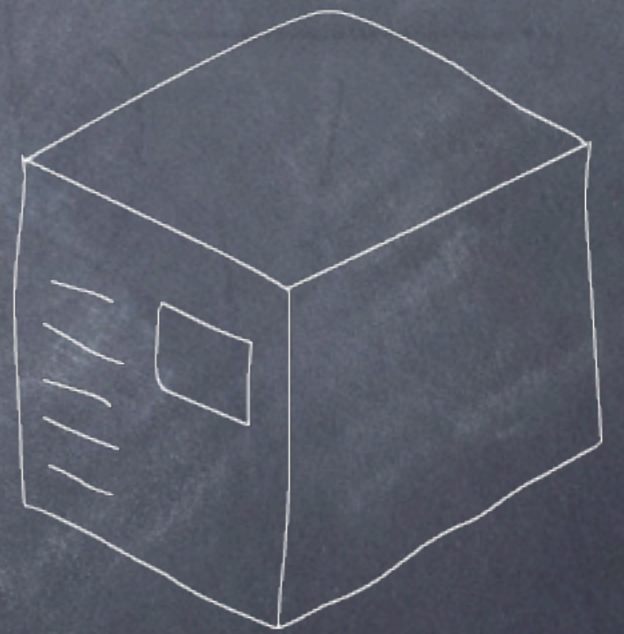
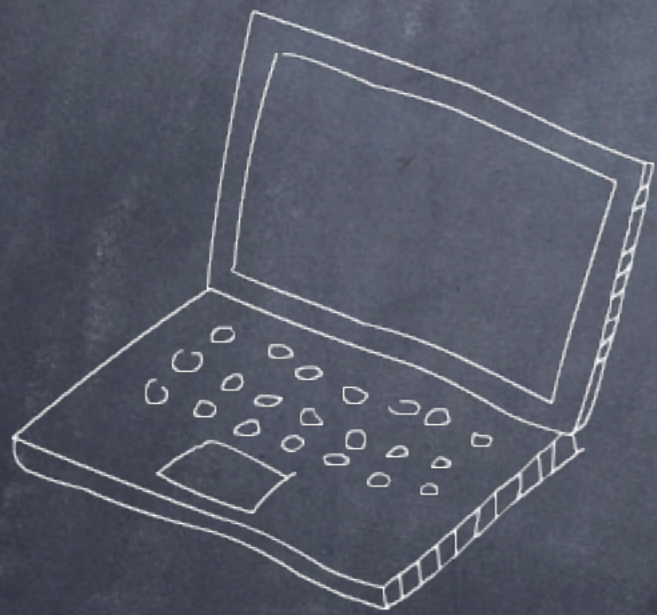
A brief history...



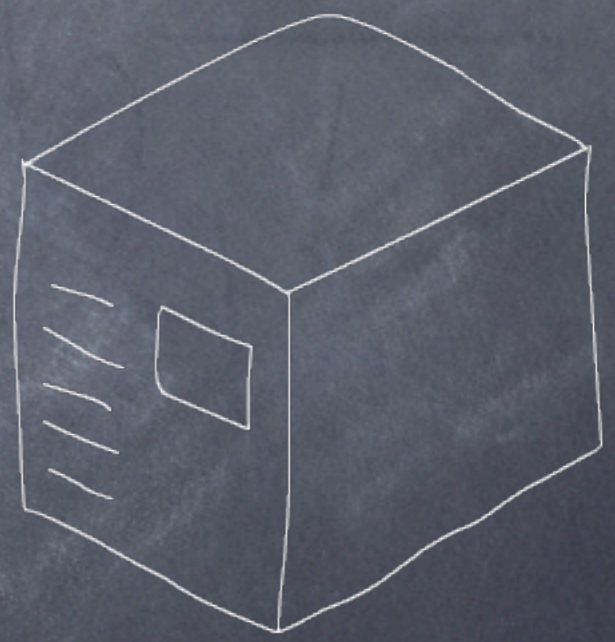
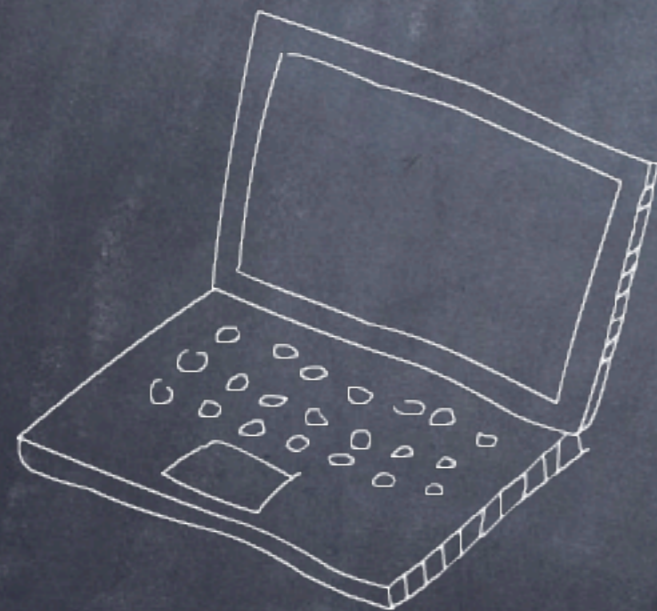
What is HTTP?

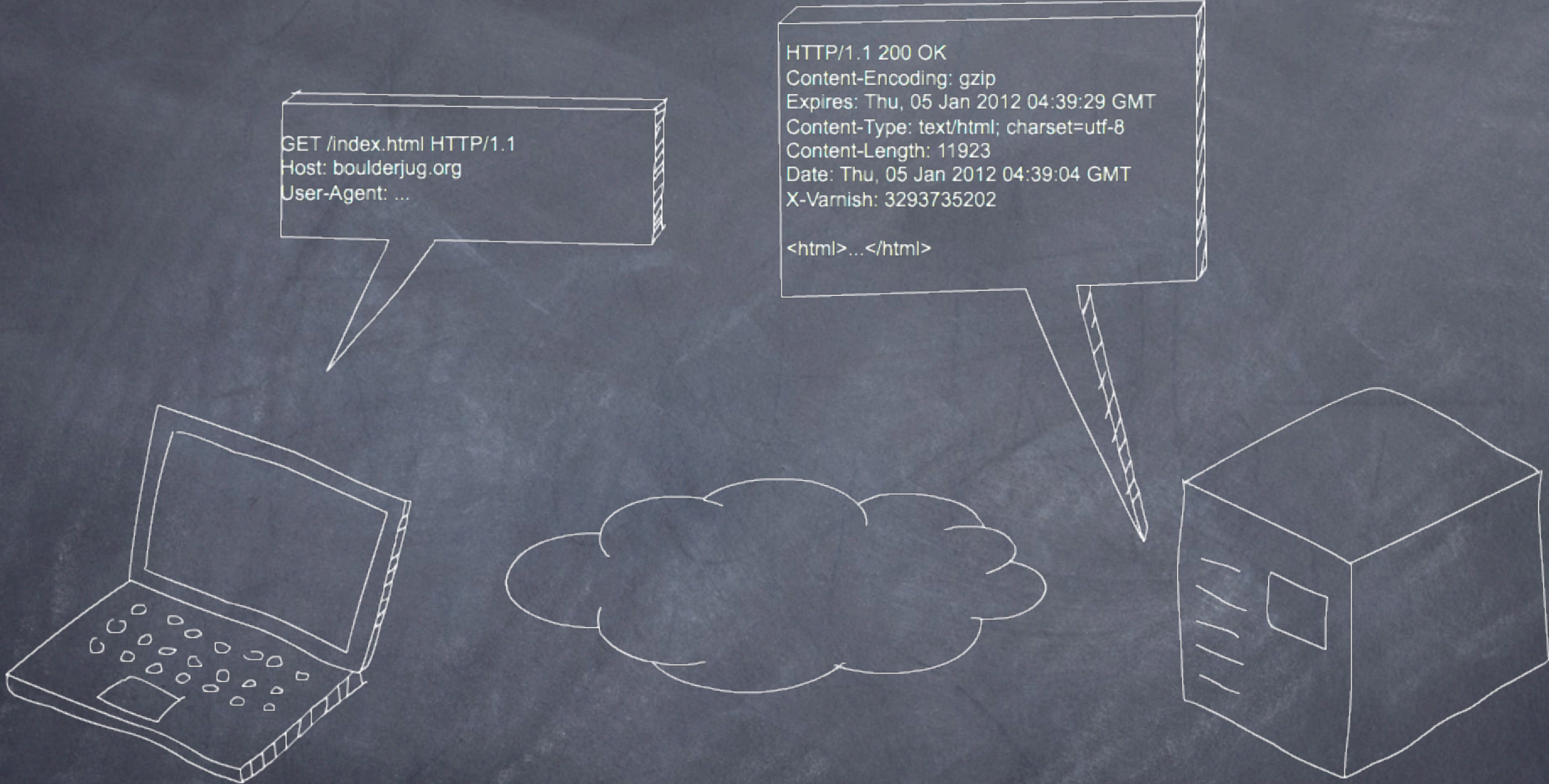






GET /index.html HTTP/1.1
Host: boulderjug.org
User-Agent: ...





```
GET /index.html HTTP/1.1
Host: boulderjug.org
User-Agent: ...
```

```
HTTP/1.1 200 OK
Content-Encoding: gzip
Expires: Thu, 05 Jan 2012 04:39:29 GMT
Content-Type: text/html; charset=utf-8
Content-Length: 11923
Date: Thu, 05 Jan 2012 04:39:04 GMT
X-Varnish: 3293735202

<html>...</html>
```

HTTP Is...

HTTP Is...

- Stateless

HTTP Is...

- Stateless
- Insecure

HTTP Is...

- Stateless
- Insecure
- Textual

Message Format

<Initial line>

<Headers>

<Body>

Request

```
GET / HTTP/1.1
Host: boulderjug.org
User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10.7; rv:8.0.1) Gecko/20100101 Firefox/8.0.1
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
Accept-Charset: ISO-8859-1,utf-8;q=0.7,*;q=0.7
Cookie: __utma=1.709566692.1315366607.1322835520.1325736840.8;
       __utmz=1.1325736840.8.8.utmcsr=typepad.com|utmccn=(referral)|
       utmcmd=referral|utmcct=/site/blogs/6a010536bb2e9f970b010536bb2ea2970b/
       posts;
       __qca=P0-138304784-1315366608389;
       __utmc=1
```

C_RL_F

HTTP Request Methods

Method	Safe	Idempotent
GET	X	X
POST		
PUT		X
DELETE		X
HEAD	X	X
OPTIONS	X	X
CONNECT		
PATCH		
TRACE	X	X

Request Body

- PUT, POST, PATCH should have a body
- GET, HEAD, OPTIONS, TRACE, CONNECT should not

Response

```
HTTP/1.1 200 OK
Server: Apache
X-PhApp: oak-tp-web026
X-Webserver: oak-tp-web026
Vary: cookie,Accept-Encoding
Content-Encoding: gzip
Keep-Alive: timeout=300, max=100
Content-Type: text/html; charset=utf-8
Content-Length: 12033
Date: Fri, 06 Jan 2012 05:48:59 GMT
X-Varnish: 3423770493
Age: 0
Via: 1.1 varnish
```

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
  "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" id="typepad-standard"
xmlns:fb="http://www.facebook.com/2008/fbml">
...
</html>
```

Troubleshooting HTTP

Browser Developer Tools

Method	Status	Response	Size	Time	Duration
GET javanet_button_170.	200 OK	today.java.net	2.1 KB	209.189.227.38:80	487ms
GET typepad.js		twitter.com	0		
GET boulderjug.json?ca...		twitter.com	0		
GET jobroll?q=Java&l=Bc	301 Moved Permanently	indeed.com	266 B	50.57.17.148:80	491ms
GET typepad.js	200 OK	twitter.com	759 B	199.59.149.198:443	1.13s
GET boulderjug.json?ca...	200 OK	twitter.com	1.3 KB	199.59.149.198:443	1.13s
GET base-weblog.css	200 OK	static.typepad.com	23.2 KB	204.9.178.11:80	272ms
GET tipjar.css	200 OK	static.typepad.com	3.6 KB	204.9.178.11:80	107ms
GET theme-journal_blacl	200 OK	static.typepad.com	350 B	204.9.178.11:80	104ms
GET quant.js		edge.quantserve.com	0		
GET blogside-toolbar-cc	200 OK	boulderjug.org	27.9 KB	204.9.177.195:80	198ms
GET quant.js	304 Not Modified	edge.quantserve.com	2.1 KB	64.94.107.20:443	1.19s
GET theme-journal.css	200 OK	static.typepad.com	15.9 KB	204.9.178.11:80	202ms
GET ga.js		google-analytics.com	0		
GET join.gif	200 OK	us.il.yimg.com	1.6 KB	64.145.92.50:80	482ms
GET embed?title=Future.	200 OK	google.com	1.7 KB	74.125.227.50:443	1.77s
GET ga.js	304 Not Modified	ssl.google-analytics.com	12.7 KB	74.125.227.30:443	745ms
GET date-header-bg.gif	200 OK	static.typepad.com	274 B	204.9.178.11:80	53ms
GET jobroll?q=Java&l=Bc	200 OK	jobroll.indeed.com	1 KB	50.57.17.148:80	155ms
GET tab.js	200 OK	cdn.uservoice.com	5.6 KB	184.29.145.107:80	165ms
GET feed-icon-16x16.gif	200 OK	static.typepad.com	651 B	204.9.178.11:80	56ms
GET __utm.gif?utmwv=5.		google-analytics.com	0		
GET __utm.gif?utmwv=5.	200 OK	ssl.google-analytics.com	35 B	74.125.227.30:443	152ms
GET __utm.gif?utmwv=5.	304 Not Modified	ssl.google-analytics.com	35 B	74.125.227.30:443	67ms
GET stats?blog_id=1801		typepad.com	0		
GET feedback_tab_white.	200 OK	cdn.uservoice.com	2.3 KB	184.29.145.107:80	31ms
GET stats?blog_id=1801	200 OK	typepad.com	43 B	204.9.178.11:443	1.02s
GET stats?blog_id=1801	200 OK	typepad.com	43 B	204.9.178.11:443	77ms
GET pixel;r=188702196:		pixel.quantserve.com	0		
GET beacon.js	200 OK	b.scorecardresearch.com	1.1 KB	8.18.42.107:80	143ms
GET animation-min.js	200 OK	yui.yahooapis.com	4.6 KB	68.142.213.142:80	514ms
GET pixel;r=188702196:	204 No Content	pixel.quantserve.com	0	64.94.107.44:443	945ms
GET pixel;r=188702196:	204 No Content	pixel.quantserve.com	0	64.94.107.44:443	128ms
GET b?c1=2&c2=603566	204 No Content	b.scorecardresearch.com	0	8.18.42.107:80	68ms
GET custom?id=TPTrack	200 OK	ads.sixapart.com	99 B	204.9.177.132:80	108ms
GET 05235dc491c970d9	301 Moved Permanently	google.com	227 B	74.125.227.50:443	149ms
GET 05235dc491c970d9	301 Moved Permanently	google.com	223 B	74.125.227.50:443	247ms
GET 05235dc491c970d9	200 OK	google.com	4.7 KB	74.125.227.50:443	73ms
GET 05235dc491c970d9	200 OK	google.com	54.6 KB	74.125.227.50:443	266ms
GET calendar_plus_en.gif	301 Moved Permanently	google.com	194 B	74.125.227.50:443	80ms
GET free-busy?ctz=Ame	200 OK	google.com	669 B	74.125.227.50:443	825ms
GET toolbar?blog_id=6a.	302 Found	typepad.com	35 B	204.9.178.11:443	62ms

URL	Status	Domain	Size	Remote IP	Timeline
GET boulderjug.org	200 OK	boulderjug.org	11.8 KB	204.9.177.195:80	1.13s

Headers Response Cache HTML Cookies

Response Headers [view source](#)

Age 0
 Content-Encoding gzip
 Content-Length 12035
 Content-Type text/html; charset=utf-8
 Date Tue, 10 Jan 2012 05:50:58 GMT
 Keep-Alive timeout=300, max=100
 Server Apache
 Vary cookie, Accept-Encoding
 Via 1.1 varnish
 X-PhApp oak-tp-web033
 X-Varnish 3885397351
 X-Webserver oak-tp-web033

Request Headers [view source](#)

Accept text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
 Accept-Charset ISO-8859-1,utf-8;q=0.7,*;q=0.7
 Accept-Encoding gzip, deflate
 Accept-Language en-us,en;q=0.5
 Connection keep-alive
 Cookie __utma=1.709566692.1315366607.1322798594.1322835520.7; __utmz=1.1322835520.7.7.utmcsr=typepad.com|utmccn=(referral)|utmcmd=referral|utmctt=/site/blogs/6a010536bb2e9f970b010536bb2ea2970b/post/6a010536bb2e9f970b0162fd355a5a970d/edit; __qca=P0-138304784-1315366608389
 Host boulderjug.org
 User-Agent Mozilla/5.0 (Macintosh; Intel Mac OS X 10.7; rv:8.0.1) Gecko/20100101 Firefox/8.0.1

▶ GET styles.css?v=6	200 OK	boulderjug.org	194 B	204.9.177.195:80	57ms
▶ GET print.css	200 OK	static.typepad.com	3.6 KB	204.9.178.11:80	146ms
▶ GET flyouts-min.js	200 OK	static.typepad.com	33.3 KB	204.9.178.11:80	372ms
▶ GET 6a010536bb2e9f97	200 OK	boulderjug.org	42.7 KB	204.9.177.195:80	438ms
▶ GET 6a010536bb2e9f97	200 OK	boulderjug.org	27.8 KB	204.9.177.195:80	398ms
▶ GET 6a010536bb2e9f97	200 OK	boulderjug.org	37.7 KB	204.9.177.195:80	432ms
▶ GET 6a010536bb2e9f97	200 OK	boulderjug.org	38.7 KB	204.9.177.195:80	457ms
▶ GET 6a010536bb2e9f97	200 OK	boulderjug.org	40.7 KB	204.9.177.195:80	428ms
▶ GET 6a010536bb2e9f97	200 OK	boulderjug.org	39.5 KB	204.9.177.195:80	446ms
▶ GET 6a010536bb2e9f97	200 OK	boulderjug.org	33.5 KB	204.9.177.195:80	623ms
▶ GET 6a010536bb2e9f97	200 OK	boulderjug.org	47.7 KB	204.9.177.195:80	641ms
▶ GET UberConf_125x125_	200 OK	nofluffjuststuff.com	23.7 KB	63.246.7.41:80	653ms
▶ GET javanet_button_170.	200 OK	today.java.net	2.1 KB	209.189.227.38:80	487ms
GET typepad.js		twitter.com	0		
GET boulderjug.json?ca...		twitter.com	0		
▶ GET jobroll?q=Java&l=Bt	301 Moved Permanently	indeed.com	266 B	50.57.17.148:80	491ms
▶ GET typepad.js	200 OK	twitter.com	759 B	199.59.149.198:443	1.13s
▶ GET boulderjug.json?ca...	200 OK	twitter.com	1.3 KB	199.59.149.198:443	1.13s

Name Path	Method	Status Text	Type	Size Transfer	Time Latency	Timeline	842ms	1.26s	1.68s	2.11s	2.53s	2.95s	3.37s
http://boulderjug.org/	GET	200 OK	text/html	47.80KB 12.06KB	210ms 105ms								
styles.css	GET	200 OK	text/css	415B 540B	147ms 146ms								
print.css static.typepad.com/.shared:v	GET	200 OK	text/css	3.59KB 3.84KB	652ms 647ms								
flyouts-min.js static.typepad.com/.shared:v	GET	200 OK	applica...	33.25KB 33.49KB	391ms 210ms								
typepad.js twitter.com/javascrip	GET	200 OK	applica...	1.69KB 1.06KB	184ms 184ms								
boulderjug.json twitter.com/statuses/user_tin	GET	302 Found	text/html	0B 561B	180ms 180ms								
jobroll www.indeed.com	GET	301 Moved Per	text/html	0B 697B	185ms 185ms								
quant.js edge.quantserve.com	GET	(from c...	applica...	(from c...	Pending								
blogside-toolbar-combined /.shared/js/toolbar	GET	200 OK	applica...	27.85KB 28.14KB	339ms 142ms								
base-weblog.css static.typepad.com/.shared:v	GET	200 OK	text/css	23.21KB 23.46KB	300ms 107ms								
tipjar.css static.typepad.com/.shared:v	GET	200 OK	text/css	3.58KB 3.83KB	109ms 108ms								
theme-journal_black.css static.typepad.com/.shared:v	GET	200 OK	text/css	350B 604B	108ms 107ms								
theme-journal.css static.typepad.com/.shared:v	GET	200 OK	text/css	15.92KB 16.17KB	233ms 78ms								
boulderjug.json twitter.com/statuses/user_tin	GET	200 OK	applica...	9.65KB 2.54KB	352ms 348ms								
jobroll jobroll.indeed.com	GET	200 OK	text/html	3.52KB 4.03KB	157ms 156ms								
ga.js www.google-analytics.com	GET	(from c...	text/ja...	(from c...	Pending								



Elements



Resources



Network



Scripts



Timeline



Profiles



Audits



Console



Search Network

Name
Path

	http://boulderjug.org/
	styles.css
	print.css
	static.typepad.com/.shared:v
	flyouts-min.js
	static.typepad.com/.shared:v
	typepad.js
	twitter.com/javascrip
	boulderjug.json
	twitter.com/statuses/user_tir
	jobroll
	www.indeed.com
	quant.js
	edge.quantserve.com
	blogside-toolbar-combinec
	/.shared/js/toolbar
	base-weblog.css
	static.typepad.com/.shared:v
	tipjar.css
	static.typepad.com/.shared:v
	theme-journal_black.css
	static.typepad.com/.shared:v
	theme-journal.css
	static.typepad.com/.shared:v
	boulderjug.json
	twitter.com/statuses/user_tir
	jobroll
	jobroll.indeed.com
	ga.js
	www.google-analytics.com

× Headers Content

Request URL: http://boulderjug.org/

Request Method: GET

Status Code: 200 OK

Request Headers [view source](#)

Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8

User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_7_2) AppleWebKit/534.52.7 (KHTML, like Gecko) Version/5.1.2 Safari/534.52.7

Response Headers [view source](#)

Age: 97

Content-Encoding: gzip

Content-Length: 12035

Content-Type: text/html; charset=utf-8

Date: Tue, 10 Jan 2012 05:52:35 GMT

Keep-Alive: timeout=300, max=100

Server: Apache

Vary: cookie,Accept-Encoding

Via: 1.1 varnish

X-PhApp: oak-tp-web033

X-Varnish: 3885507801 3885397351

X-Webserver: oak-tp-web033

All

Documents Stylesheets Images Scripts XHR Fonts WebSockets Other

2 1

Name Path	Method	Status Text	Type	Initiator	Size Content	Time Latency	Timeline	541ms	811ms	1.08s	1.35s	1.62s	1.89s
http://boulderjug.org/	GET	200 OK	text/html	Other	12.08KB 47.80KB	217ms 109ms							
styles.css	GET	304 Not Modified	text/css	http://boulderjug.c Parser	183B 415B	109ms 108ms							
flyouts-min.js static.typepad.com/.shared:v201	GET	304 Not Modified	applicati...	http://boulderjug.c Parser	216B 33.25KB	57ms 57ms							
typepad.js twitter.com/javascrip	GET	304 Not Modified	applicati...	http://boulderjug.c Parser	170B 1.69KB	63ms 63ms							
boulderjug.json twitter.com/statuses/user_timelir	GET	200 OK	applicati...	http://boulderjug.c Parser	2.30KB 9.65KB	107ms 106ms							
jobroll www.indeed.com	GET	301 Moved Peri	text/html	http://boulderjug.c Parser	670B 0B	51ms 51ms							
print.css static.typepad.com/.shared:v201	GET	304 Not Modified	text/css	http://boulderjug.c Parser	238B 3.59KB	57ms 57ms							
jobroll jobroll.indeed.com	GET	200 OK	text/html	http://www.indeed Redirect	(from ca...	1ms 1ms							
quant.js edge.quantserve.com	GET	304 Not Modified	applicati...	http://boulderjug.c Parser	296B 5.17KB	74ms 74ms							
blogside-toolbar-combined-mi /.shared/js/toolbar	GET	304 Not Modified	applicati...	http://boulderjug.c Parser	263B 27.85KB	54ms 54ms							
base-weblog.css static.typepad.com/.shared:v201	GET	304 Not Modified	text/css	http://boulderjug.c Parser	238B 23.21KB	62ms 60ms							
tipjar.css static.typepad.com/.shared:v201	GET	304 Not Modified	text/css	http://boulderjug.c Parser	238B 3.58KB	63ms 63ms							
theme-journal_black.css static.typepad.com/.shared:v201	GET	304 Not Modified	text/css	http://boulderjug.c Parser	238B 350B	123ms 123ms							
theme-journal.css static.typepad.com/.shared:v201	GET	304 Not Modified	text/css	http://boulderjug.c Parser	238B 15.92KB	74ms 56ms							
ga.js www.google-analytics.com	GET	304 Not Modified	text/jav...	http://boulderjug.c Script	134B 31.85KB	64ms 64ms							
6a010536bb2e9f970b015392e: www.boulderjug.org/.a	GET	304 Not Modified	image/j...	http://boulderjug.c Parser	207B 42.65KB	168ms 109ms							
embed www.google.com/calendar/hoste	GET	302 Moved Ten	text/html	Other	970B 0B	163ms 112ms							
join.gif us.i1.yimg.com/us.yimg.com/i/y	GET	304 Not Modified	image/gif	http://boulderjug.c Parser	235B 1.65KB	53ms 53ms							



Search Network

Name	Path
	http://boulderjug.org/
	styles.css
	flyouts-min.js static.typepad.com/.shared:v
	typepad.js twitter.com/javascripts
	boulderjug.json twitter.com/statuses/user_tir
	jobroll www.indeed.com
	print.css static.typepad.com/.shared:v
	jobroll jobroll.indeed.com
	quant.js edge.quantserve.com
	blogside-toolbar-combinec /.shared/js/toolbar
	base-weblog.css static.typepad.com/.shared:v
	tipjar.css static.typepad.com/.shared:v
	theme-journal_black.css static.typepad.com/.shared:v
	theme-journal.css static.typepad.com/.shared:v
	ga.js www.google-analytics.com
	6a010536bb2e9f970b0153 www.boulderjug.org/.a
	embed www.google.com/calendar/h
	join.gif us.i1.yimg.com/us.yimg.com

Headers Preview Response Cookies Timing

Request URL: http://boulderjug.org/
Request Method: GET
Status Code: 200 OK

Request Headers [view source](#)

Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Charset: ISO-8859-1,utf-8;q=0.7,*;q=0.3
Accept-Encoding: gzip,deflate,sdch
Accept-Language: en-US,en;q=0.8
Cache-Control: max-age=0
Connection: keep-alive
Cookie: __qca=P0-532058655-1317926490868; __utma=1.1203207286.1317926491.1317926491.1326174854.2; __utmb=1.1.10.1326174854; __utmc=1; __utmz=1.1317926491.1.1.utmcsr=(direct)|utmccn=(direct)|utmcmd=(none)
Host: boulderjug.org
User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_7_2) AppleWebKit/535.11 (KHTML, like Gecko) Chrome/17.0.963.26 Safari/535.11

Response Headers [view source](#)

Age: 208
Content-Encoding: gzip
Content-Length: 12035
Content-Type: text/html; charset=utf-8
Date: Tue, 10 Jan 2012 05:54:27 GMT
Keep-Alive: timeout=300, max=100
Server: Apache
Vary: cookie,Accept-Encoding
Via: 1.1 varnish
X-PhApp: oak-tp-web033
X-Varnish: 3885627987 3885397351
X-Webserver: oak-tp-web033

Charles



Structure Sequence

RC	Mthd	Host	Path	Durati...	Size	Status	Info
↑	CONNECT	docs.google.com:443			14.34...	Sending reque...	
↓	CONNECT	client-lb.dropbox.com:443		158...	16.88...	Complete	
↓	CONNECT	0-jf-w.channel.facebook.com:443			1.68 KB	Receiving resp...	
↓	CONNECT	skitch.com:443			1.60 KB	Receiving resp...	
...	GET	crl.securetrust.com	/STCA.crl	140...	2.46 KB	Complete	
...	GET	crl.entrust.net	/server1.crl	129...	2.80 KB	Complete	
↑	CONNECT	1.docs.google.com:443			252 b...	Sending reque...	

Filter:

Settings

Overview Request Response Summary Chart Notes

Name	Value
URL	https://1.docs.google.com:443
Status	Sending request header...
Notes	SSL Proxying not enabled for this host: enable in Proxy Settings, SSL locations
Response Code	-
Protocol	HTTP/1.1
Method	CONNECT
Content-Type	-
Client Address	/127.0.0.1
Remote Address	-
▼ Timing	
Request Start Time	1/8/12 11:06:28 PM
Request End Time	-

Fiddler

Fiddler - HTTP Debugging Proxy

File Edit Rules Tools View Help

Replay Resume Stream Decode Keep: All sessions Any Process Find Save Browse Clear Cache TextWizard Tearoff MSDN Search... Online

Web Sessions

#	Result	Protocol	Host	URL
22	200	HTTP	www.nofluffjuststu...	/images/2011/uber/Ut
23	200	HTTP	today.java.net	/images/javanet_butb
24	301	HTTP	www.indeed.com	/jobroll?q=Java&l=Bo
25	200	HTTP	twitter.com	/statuses/user_timelin
26	200	HTTP	edge.quantserve.com	/quant.js
27	200	HTTP	boulderjug.org	/.shared/js/toolbar/bl
28	302	HTTP	www.google.com	/calendar/hosted/fred
29	200	HTTP	twitter.com	/javascripts/typepad.;
30	200	HTTP	jobroll.indeed.com	/jobroll?q=Java&l=Bo
31	200	HTTP	cdn.uservoice.com	/javascripts/widgets/t
32	200	HTTP	static.typepad.com	/.shared:v20120109.0
33	200	HTTP	www.typepad.com	/t/stats?blog_id=1801
34	200	HTTP	Tunnel to	www.google.com:443
35	204	HTTP	pixel.quantserve.com	/pixel;r=1508634833;
36	204	HTTP	b.scorecardresearch...	/b?c1=2&c2=6035669
37	200	HTTP	cdn.uservoice.com	/images/widgets/en/fe
38	200	HTTP	ads.sixapart.com	/custom?id=TPTracker
39	200	HTTP	crl.thawte.com	/ThawteSGCCA.crl
40	200	HTTP	yui.yahooapis.com	/2.5.0/build/animation
41	200	HTTP	www.typepad.com	/services/toolbar?blog
42	200	HTTP	static.typepad.com	/.shared:v20120109.0
43	200	HTTP	Tunnel to	www.google.com:443
44	200	HTTP	static.typepad.com	/.shared:v20120109.0
45	200	HTTP	static.typepad.com	/.shared:v20120109.0
46	200	HTTP	static.typepad.com	/.shared:v20120109.0
47	200	HTTP	static.typepad.com	/.shared:v20120109.0
48	200	HTTP	static.typepad.com	/.shared:v20120109.0
49	200	HTTP	static.typepad.com	/.shared:v20120109.0
50	200	HTTP	Tunnel to	calendar.google.com:
51	200	HTTP	Tunnel to	calendar.google.com:
52	200	HTTP	Tunnel to	www.google.com:443
53	200	HTTP	static.typepad.com	/.shared:v20120109.0
54	302	HTTP	boulderjug.org	/favicon.ico
55	200	HTTP	static.typepad.com	/.shared:v20120109.0
56	200	HTTP	static.typepad.com	/.shared:v20120109.0
57	200	HTTP	static.typepad.com	/.shared:v20120109.0
58	200	HTTP	6a.typepad.com	/favicon.ico

Statistics Inspectors AutoResponder Composer Filters Log Timeline

Request Headers [Raw] [Header Definitions]

GET / HTTP/1.1

Client

- Accept: image/gif, image/jpeg, image/pjpeg, image/pjpeg, application/x-shockwave-flash, application/x-ms-application, application/x-ms-xbap, application/...
- Accept-Encoding: gzip, deflate
- Accept-Language: en-us
- User-Agent: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 5.1; Trident/4.0; .NET CLR 2.0.50727; .NET CLR 3.0.4506.2152; .NET CLR 3.5.30729; InfoPa...

Transport

- Connection: Keep-Alive
- Host: boulderjug.org

Get SyntaxView Transformer Headers TextView ImageView HexView WebView Auth Caching Cookies Raw JSON

Response Headers [Raw] [Header Definitions]

HTTP/1.1 200 OK

Cache

- Age: 0
- Date: Tue, 10 Jan 2012 06:02:56 GMT
- Vary: cookie,Accept-Encoding

Entity

- Content-Length: 48944
- Content-Type: text/html; charset=utf-8

Miscellaneous

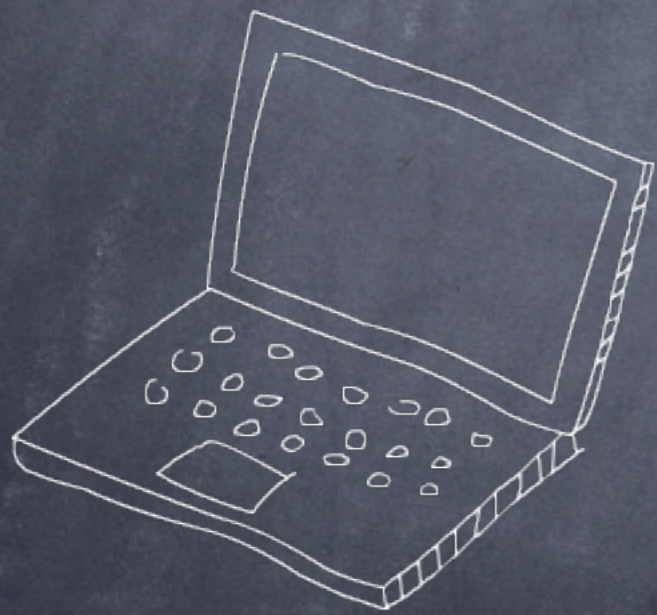
- Server: Apache
- X-PhApp: oak-tp-web005
- X-Varnish: 3886200888
- X-Webserver: oak-tp-web005

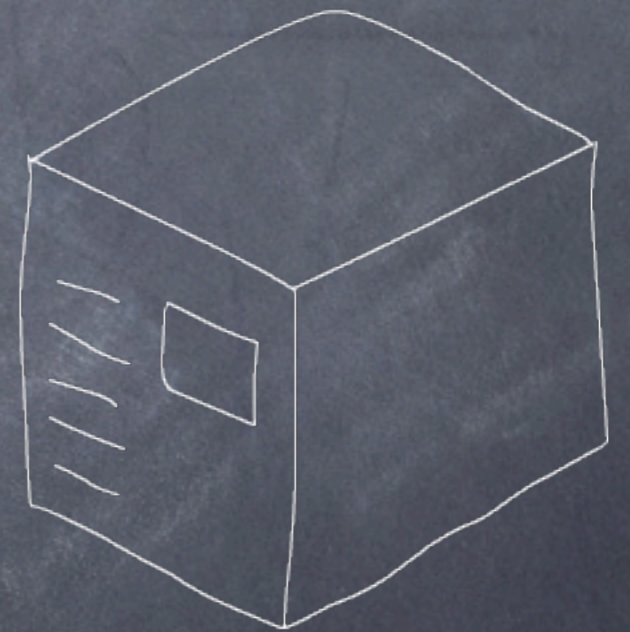
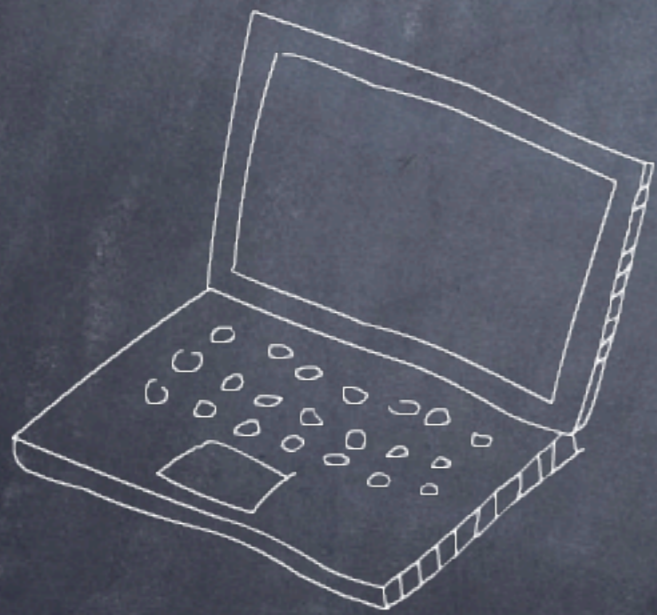
Transport

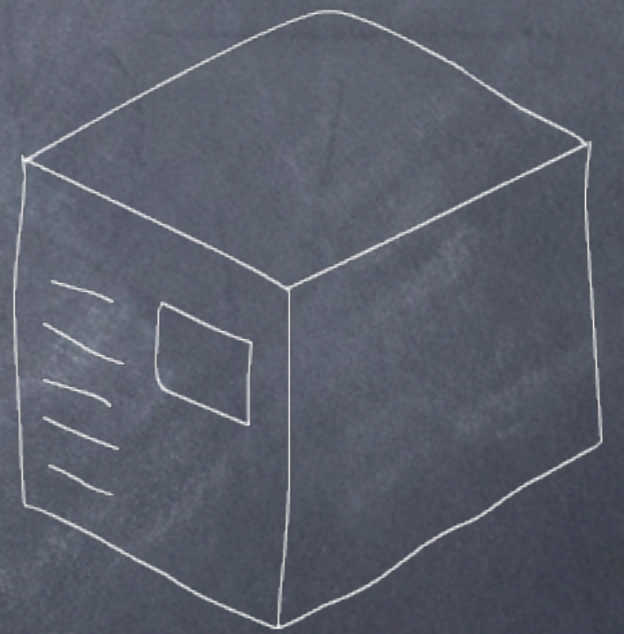
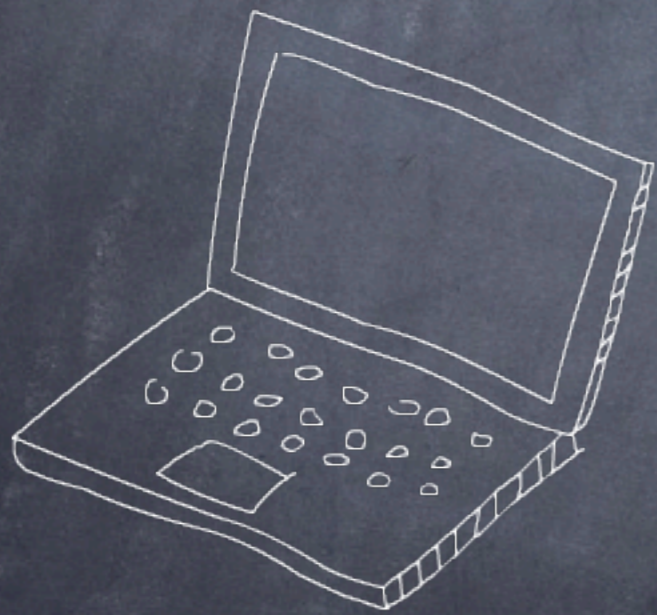
- Keep-Alive: timeout=300, max=100
- Via: 1.1 varnish

ALT+Q > type HELP...

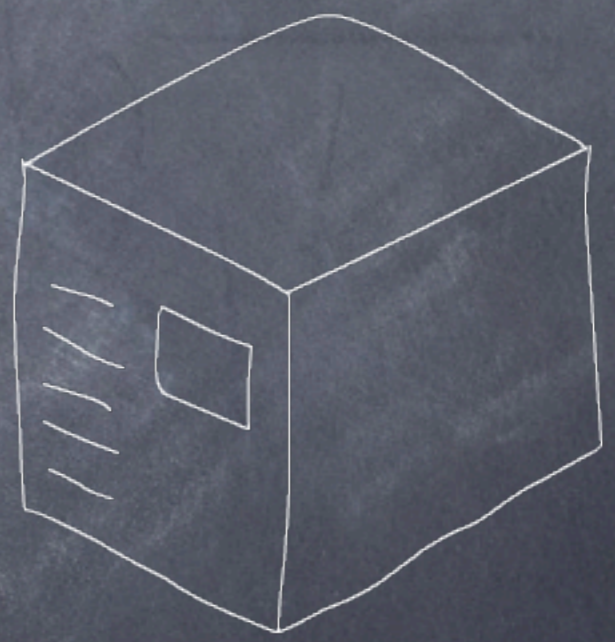
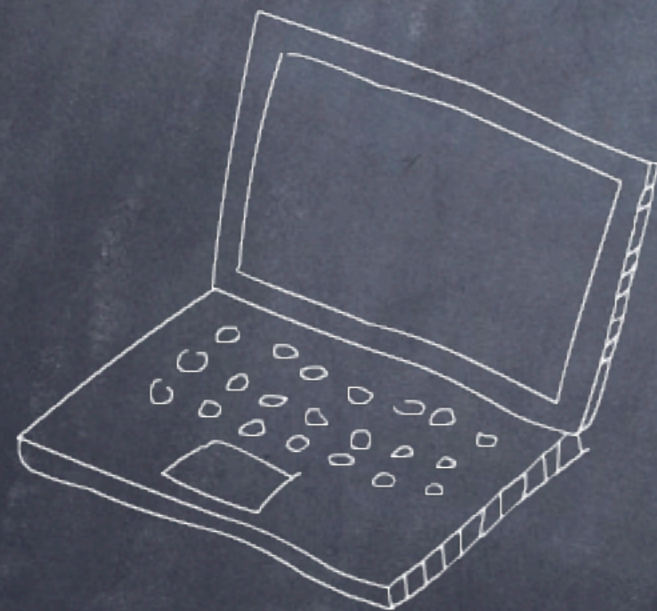
Capturing All Processes 1 / 58 http://boulderjug.org/







GET /index.html HTTP/1.1
Host: boulderjug.org
User-Agent: ...

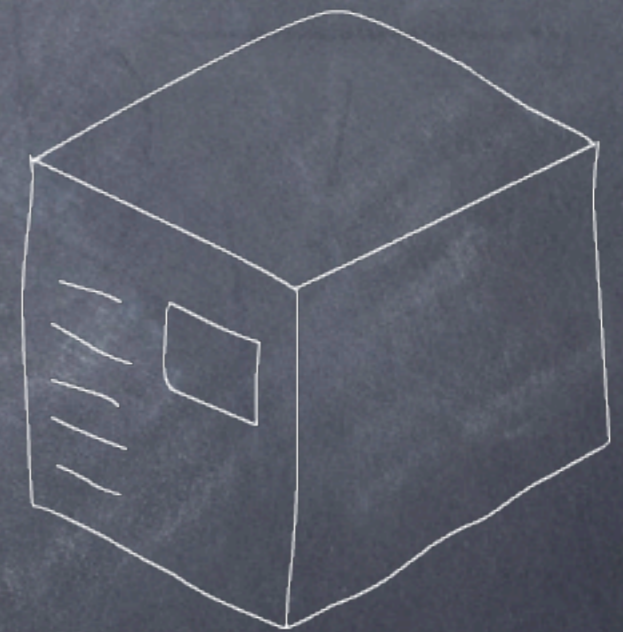
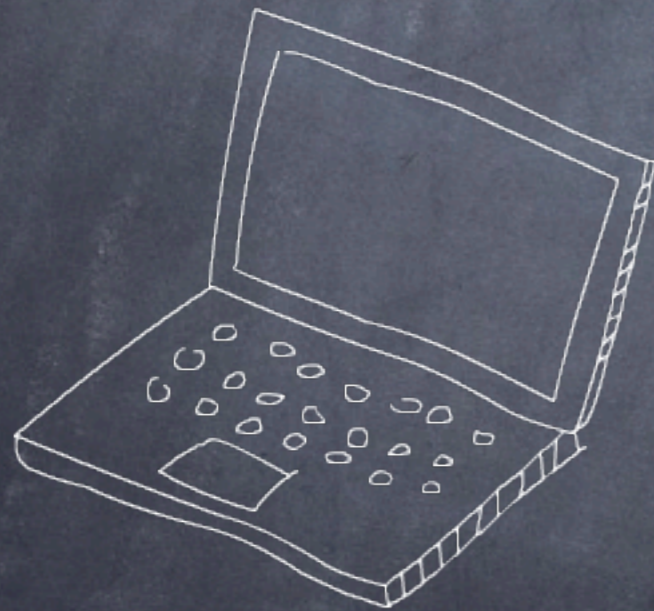


GET /index.html HTTP/1.1
Host: boulderjug.org
User-Agent: ...

The diagram shows a laptop on the left and a server on the right. A cloud in the center represents the network. A speech bubble from the laptop contains the request text. Another speech bubble from the server contains the response text.

HTTP/1.1 200 OK
Content-Encoding: gzip
Expires: Thu, 05 Jan 2012 04:39:29 GMT
Content-Type: text/html; charset=utf-8
Content-Length: 11923
Date: Thu, 05 Jan 2012 04:39:04 GMT
X-Varnish: 3293735202

<html>...</html>



Connection: close

Picture Credits

- [298158373_a47d6db5cf_b.jpg](#) (flickr: sbisson)