

# client/server

and the internet



# the internet

the most efficient kitten  
image distribution system  
the world has ever known





# the internet

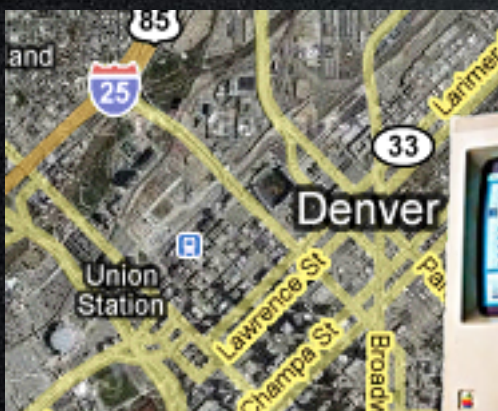




# the internet

client

<http://ipw.patternleaf.com/omg-cute-kitten.jpg>



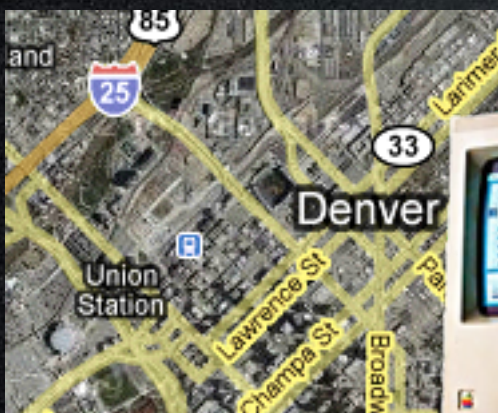


# the internet

client

173.236.167.147

<http://ipw.patternleaf.com/omg-cute-kitten.jpg>





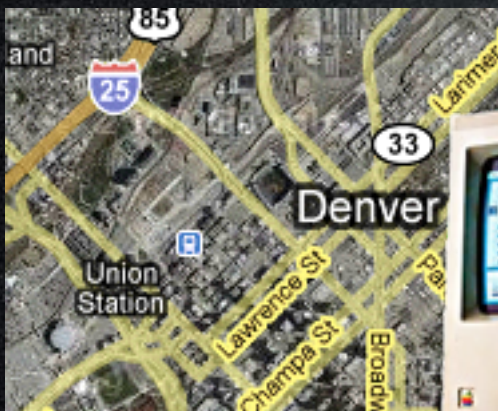
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http server





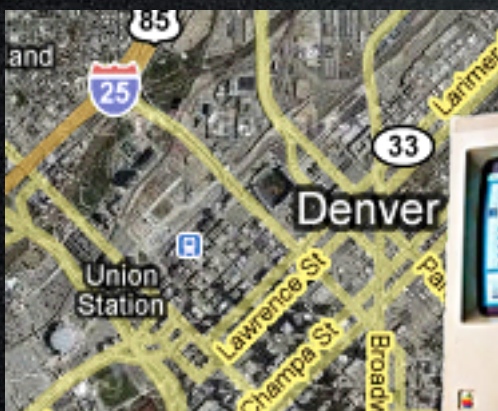
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client

173.236.167.147

<http://ipw.patternleaf.com/omg-cute-kitten.jpg>

http server



</home/eric/ipw.patternleaf.com/omg-cute-kitten.jpg>





# the internet

client

<http://ipw.patternleaf.com/omg-cute-kitten.jpg>



?

http server



200!

</home/eric/ipw.patternleaf.com/omg-cute-kitten.jpg>



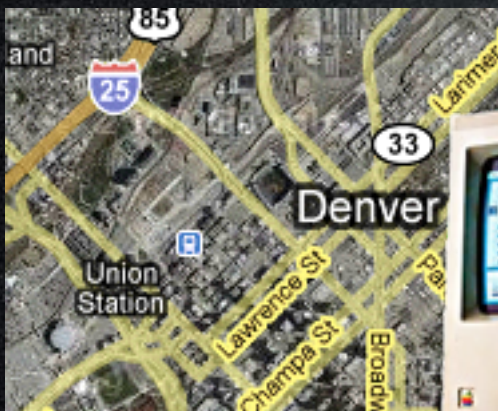


# the internet



client

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# the internet

client

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# the internet

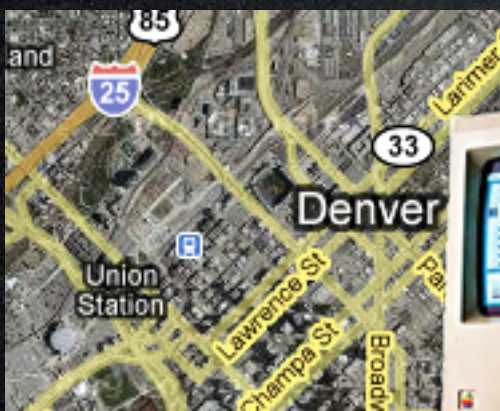


lol!





# the internet



client

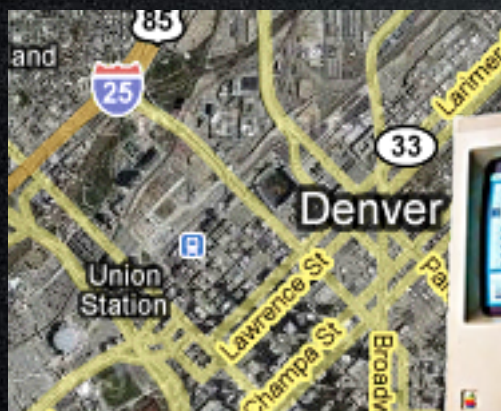


server



Your Web App
Application
Data Policy
Raw Data
Physical

the internet



client



server



# the internet

protocol stack

Your Web App	html, javascript, css, jpg, png ...	styling, markup, scripts, images, media
Application	http, ftp, ssh, smtp	web, file transfer, secure shell, email
Data Policy	tcp, udp	is data guaranteed to be complete and in order?
Raw Data	ip	move packets from one place to another; no assurance of integrity
Physical	ethernet, wifi ...	device-to-device hardware

client



server





# the internet

protocol stack

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client



server





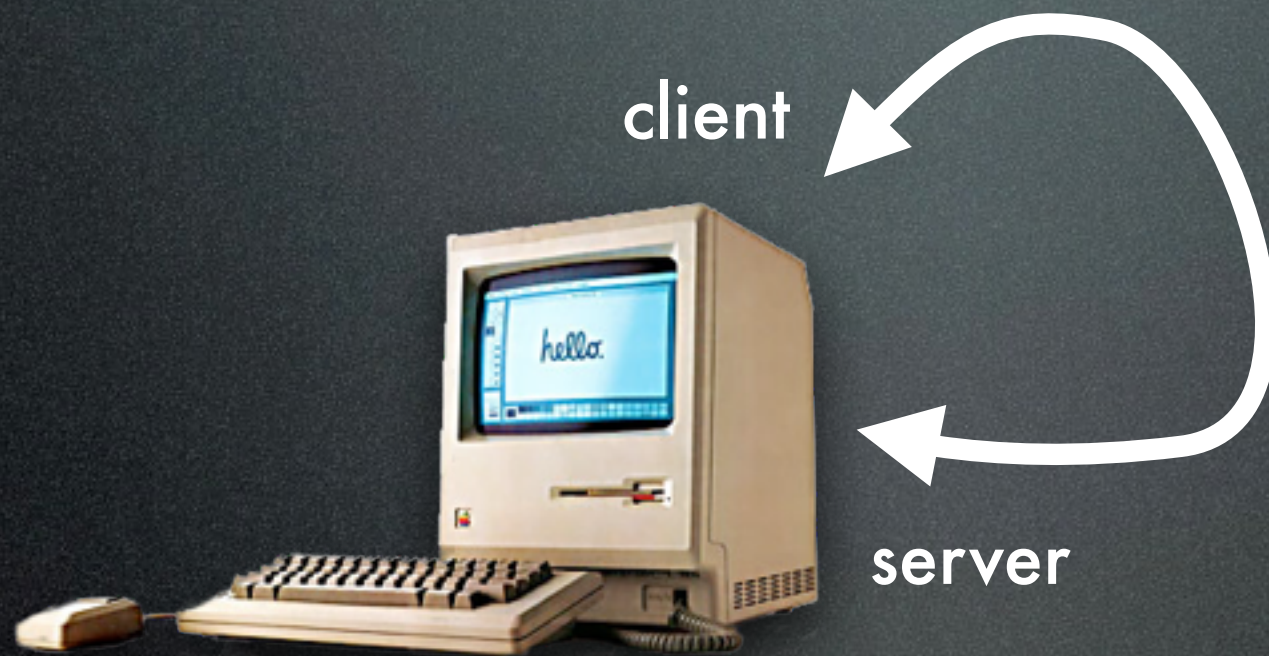
# client/server

Protocol	Servers	Clients
HTTP	apache	Safari, Chrome, Firefox, lynx, cURL
	IIS	
	lighttpd	
FTP	Pure-FTPd	Flow, Interarchy, Safari, Chrome, Finder ...
	FileZilla	
	CrushFTP	
SSH	freeSSHd	ssh, scp, svn ...
	CopSSH	

it's all software

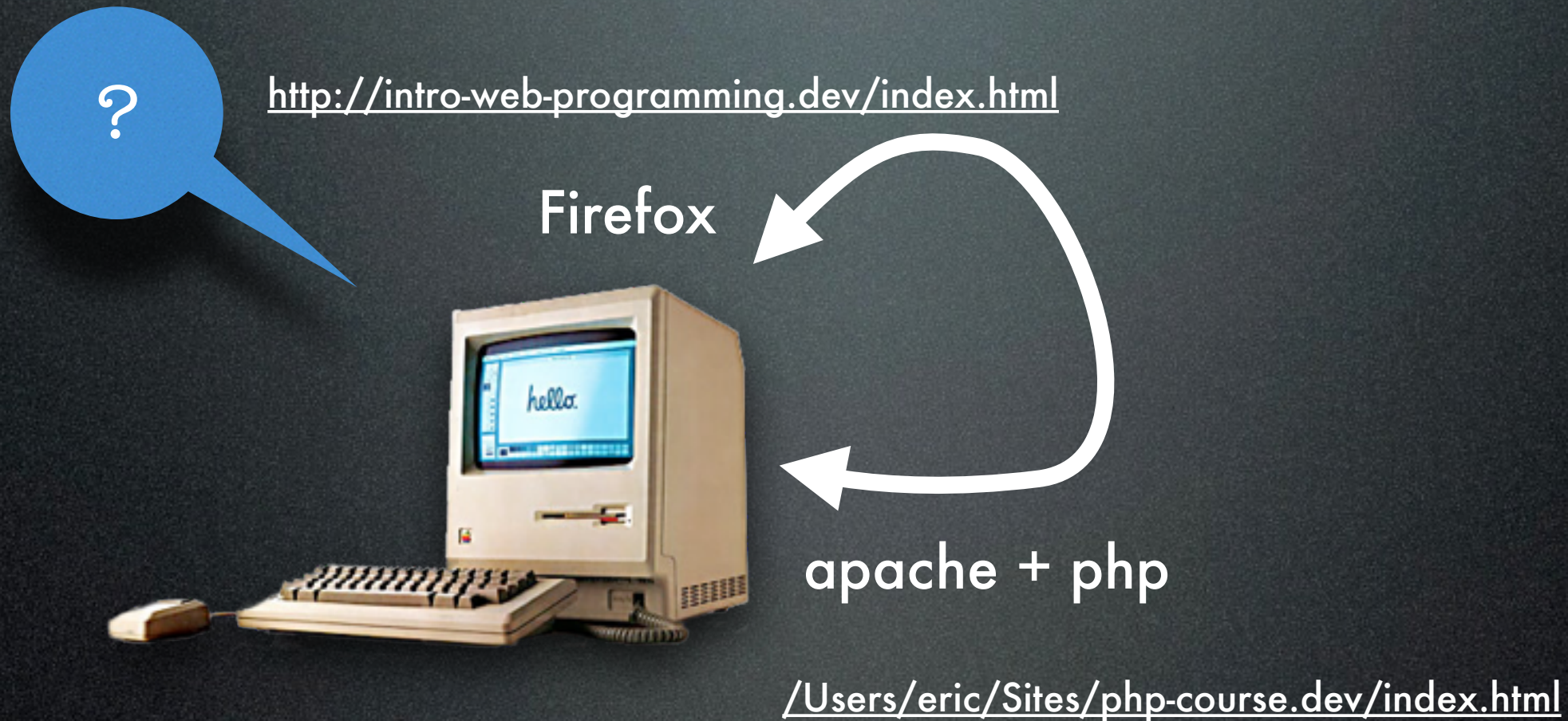


# client/server





# client/server





# client/server

Firefox

<http://php-course.dev/index.html>

?



GET /index.html HTTP/1.1  
Host: php-intro.dev

HTTP request

apache

</Users/eric/Sites/php-course.dev/index.html>

```
<!DOCTYPE html>
<html>
  <head>
  </head>
  <body>
    <h1>Hello World</h1>
    <p>
      My name is Eric.
    </p>
  </body>
</html>
```

!

HTTP response

Firefox

