

barcamp london 4

beyond 404



stuart langridge



HTTP response codes



The page cannot be found

The page you are looking for might have been removed, had its name changed, or is temporarily unavailable.

Please try the following:

- If you typed the page address in the Address bar, make sure that it is spelled correctly.
- Open the www.yourhtmlsource.com home page, and then look for links to the information you want.
- Click the  [Back](#) button to try another link.
- Click  [Search](#) to look for information on the Internet.

HTTP 404 - File not found
Internet Explorer

GET /releases HTTP/1.1

Host: www.getfirebug.com

User-Agent: Mozilla/5.0 (X11; U; Linux i686; en-GB; rv:1.9b5) Gecko/2008050509

Firefox/3.0b5

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

Accept-Language: en-gb,en;q=0.5

Accept-Encoding: gzip,deflate

Accept-Charset: ISO-8859-1,utf-8;q=0.7,*;q=0.7

Keep-Alive: 300

Connection: keep-alive

Cache-Control: max-age=0

HTTP/1.1 200 OK

Date: Mon, 26 May 2008 12:48:22 GMT

Server: Apache/2.0.54 (Debian GNU/Linux) DAV/2 SVN/1.1.4 mod_fastcgi/2.4.2
PHP/4.3.10-18

X-Powered-By: PHP/4.3.10-18

Expires: Thu, 19 Nov 1981 08:52:00 GMT

X-Pingback: <http://www.kryogenix.org/days/xmlrpc.php>

Cache-Control: no-store, no-cache, must-revalidate, post-check=0, pre-check=0

Pragma: no-cache

Last-Modified: Mon, 26 May 2008 12:39:33 GMT

Vary: Accept-Encoding

Connection: close

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

HTTP/1.1 200 OK

Date: Mon, 26 May 2008 12:48:22 GMT

Server: Apache/2.0.54 (Debian GNU/Linux) DAV/2 SVN/1.1.4 mod_fastcgi/2.4.2

PHP/4.3.10-18

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Pragma: no-cache

Last-Modified: Mon, 26 May 2008 12:39:33 GMT

Vary: Accept-Encoding

Connection: close

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



you know about



you know about



**you know and don't
know you know**



you know about



**you know and don't
know you know**



**you don't know and
will find useful**



you know about



**you know and don't
know you know**



**you don't know and
will find useful**



you are Sam Ruby


[http://www.w3.org/Protocols
/rfc2616/rfc2616-sec10.html](http://www.w3.org/Protocols/rfc2616/rfc2616-sec10.html)

[http://www.bored.com/bored
/yawn/care/whatever](http://www.bored.com/bored/yawn/care/whatever)

404 Not Found



why?

be nice

 The page cannot be found

The page you are looking for might have been removed, had its name changed, or is temporarily unavailable.

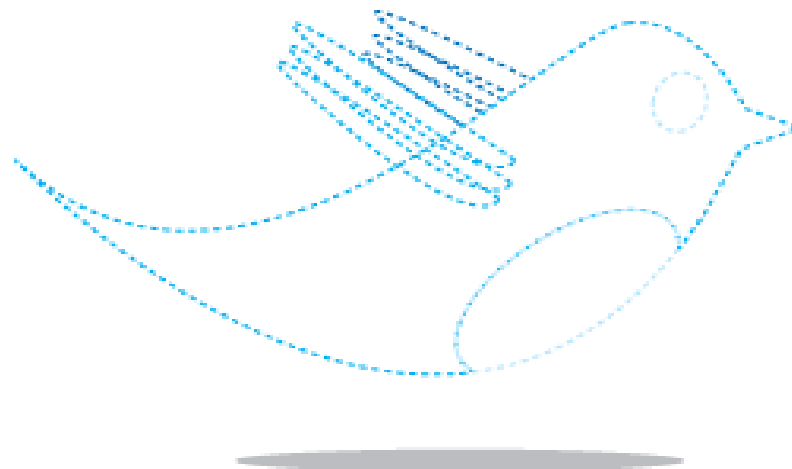
Please try the following:

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HTTP 404 - File not found
Internet Explorer

twitter

That page doesn't exist!



Maybe we can still find it!

Search

[Go Home](#)

[Get Help](#)

[Contact Support](#)

email yourself



funky caching

**funky caching
(for IIS)**

500 Internal Server Error

500 **twitter** Error

email yourself



you don't know you know:

200

401

301

302



you don't know you know:

200 OK

401

301

302



you don't know you know:

200 OK

401 Unauthorized

301

302



you don't know you know:

200 OK

401 Unauthorized

301 Moved Permanently

302



MOVED

TEMPORARILY

you don't know you know:

200 OK

401 Unauthorized

301 Moved Permanently

302 Found



redirects

this page is here
200 OK

**this page is not here
but it used to be**

410 Gone

**this page is not here
it is somewhere else
and always will be**

301 Moved Permanently

**this page is not here
it is somewhere else
go there and get it**

302 Found

this page is not here
it is somewhere else
go there and get it

~~302 Found~~

**this page is not here
it is somewhere else
go there and get it**

303 See Other

307 Temporary Redirect

POST

POST

303: it worked, get it here

307: it didn't work, go here
instead

don't use 302



302: FAIL

you will find useful:



410

204

304

503

you will find useful:



410 Gone

204

304

503



Mark Pilgrim

you will find useful:



410 Gone

204 No Content

304

503

AJAX requests

you will find useful:



410 Gone

204 No Content

304 Not Modified

503

conditional GET

204: there is no body

304: you already have the body

send If-Modified-Since

send If-Modified-Since
200 OK
or
304 Not Modified

you will find useful:



410 Gone

204 No Content

304 Not Modified

503 Service Unavailable

**webserver up
application down**

twitter

**your application is
going to fail
so be nice**

REST



201 Created

206 Partial Content

400 Bad Request

403 Forbidden

405 Method Not Allowed

409 Conflict

```
header("HTTP/1.1 410 Gone")
```

```
HttpResponseGone()
```

```
Response.Status = "410"
```

```
header(:no_content)
```


codes and content are separate

codes and content are separate

don't use 302, use 303

codes and content are separate

don't use 302, use 303

http is *really* interesting. honest.

codes and content are separate

don't use 302, use 303

**dammit I should have gone to
Dan Rubin's talk after all**

codes and content are separate

don't use 302, use 303

**email yourself when it
goes wrong**



“You’re the one who
knows all the codes”
Fred Savage, *The Wizard*

kryogenix.org/code/beyond404.pdf

Thanks to

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rich115

Leonard Richardson and Sam Ruby



stuart langridge