beyond 404
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
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
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.bored.com/bored/yawn/care/whatever
404 Not Found
why?
be nice
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HTTP 404 - File not found
Internet Explorer
That page doesn't exist!

Maybe we can still find it!

Go Home    Get Help    Contact Support
email yourself
funky caching
funky caching
(for IIS)
500 Internal Server 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

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
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
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

e-mail yourself when it goes wrong
“You’re the one who knows all the codes”
Fred Savage, *The Wizard*

kryogenix.org/code/beyond404.pdf

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