Skillbox

/ ОБРАЗОВАТЕЛЬНЫЙ КУРС

Протокол HTTP_

Skillbox

Статус-коды HTTP-ответов

Skillbox

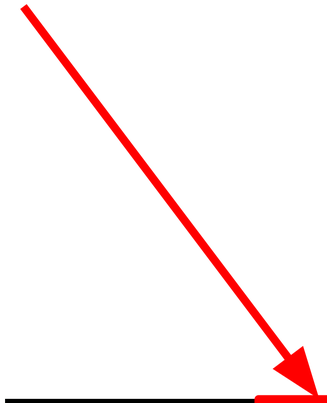
HTTP Status Codes

Request

```
POST /index.html HTTP/1.1
Host: skillbox.ru
Accept: image/gif, image/jpeg, */*
Accept-Encoding: gzip, deflate, br
Accept-Language: ru-RU,ru
User-Agent: Mozilla/5.0

text=PHP&mode=full
```

Response



```
HTTP/1.1 200 OK
Date: Tue, 31 Mar 2020 09:23:35 GMT
Content-Type: text/html;
charset=utf-8
Server: nginx/1.16.1 (Ubuntu)
X-Powered-By: PHP/5.6.40

<h1>Main page</h1>
```

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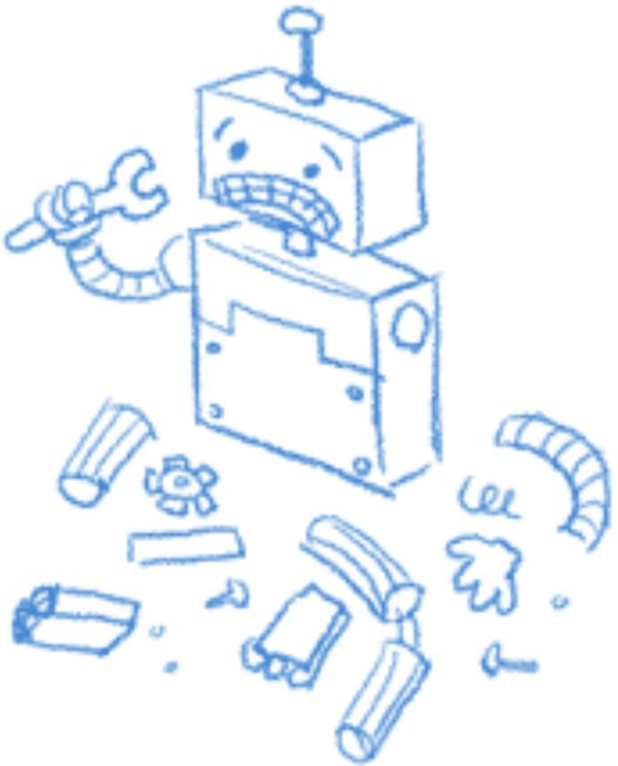
404 Not Found

Google

404. That’s an error.

The requested URL /skillbox was not found on this server.
That’s all we know.



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HTTP Status Codes

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HTTP Status Codes

1xx — Informational

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HTTP Status Codes

1xx — Informational

2xx — Success

Skillbox

HTTP Status Codes

1xx — Informational

2xx — Success

3xx — Redirection

Skillbox

HTTP Status Codes

1xx — Informational

2xx — Success

3xx — Redirection

4xx — Client Error

Skillbox

HTTP Status Codes

1xx — Informational

2xx — Success

3xx — Redirection

4xx — Client Error

5xx — Server Error

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Informational (1xx) Status Codes

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Informational (1xx) Status Codes

```
100 Continue

101 Switching Protocols

102 Processing
```

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Success (2xx) Status Codes

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Success (2xx) Status Codes

```
200 OK
```

Skillbox

Success (2xx) Status Codes

```
200 OK

201 Created
```

Skillbox

Success (2xx) Status Codes

```
200 OK

201 Created

202 Accepted
```

Skillbox

Success (2xx) Status Codes

```
200 OK

201 Created

202 Accepted

203 Non-Authoritative Information
```

Success (2xx) Status Codes

```
200 OK

201 Created

202 Accepted

203 Non-Authoritative Information

204 No Content
```

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Success (2xx) Status Codes

200 OK

201 Created

202 Accepted

203 Non-Authoritative Information

204 No Content

206 Partial Content

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Success (2xx) Status Codes

205 Reset Content

207 Multi-Status

208 Already Reported

226 IM Used

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Redirectional (3xx) Status Codes

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Redirectional (3xx) Status Codes

```
301 Moved Permanently
```

Redirectional (3xx) Status Codes

```
HTTP/1.1 301 Moved Permanently
Server: nginx/1.8.1
Date: Tue, 07 Apr 2020 13:36:55 GMT
Location: /newsection/128124/
```

Redirectional (3xx) Status Codes

```
HTTP/1.1 301 Moved Permanently
Server: nginx/1.8.1
Date: Tue, 07 Apr 2020 13:36:55 GMT
Location: /newsection/128124/
```

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Redirectional (3xx) Status Codes

```
301 Moved Permanently

302 Moved Temporarily
```

Skillbox

Redirectional (3xx) Status Codes

```
301 Moved Permanently

302 Moved Temporarily

303 See Other
```

Skillbox

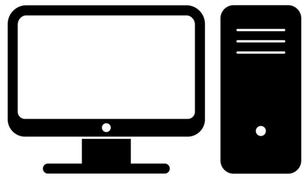
Redirectional (3xx) Status Codes

```
301 Moved Permanently

302 Moved Temporarily

303 See Other

304 Not Modified
```

Skillbox

Redirectional (3xx) Status Codes

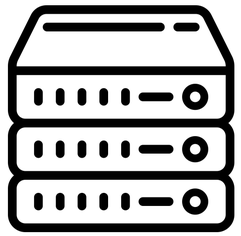
Клиент



cache

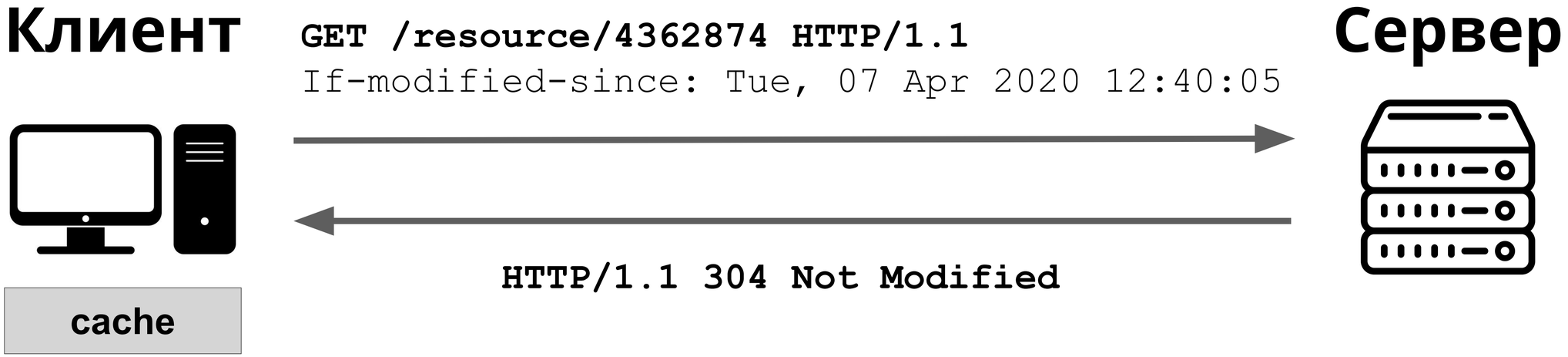
```
GET /resource/4362874 HTTP/1.1
If-modified-since: Tue, 07 Apr 2020 12:40:05
```

Сервер



Skillbox

Redirectional (3xx) Status Codes



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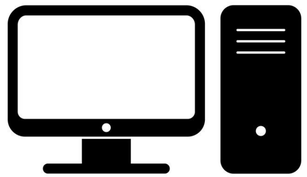
Redirectional (3xx) Status Codes

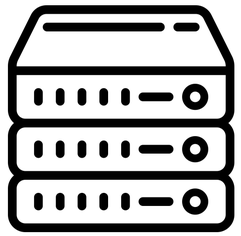
Клиент



cache

```
GET /resource/4362874 HTTP/1.1
If-modified-since: Tue, 07 Apr 2020 12:40:05
```

Сервер



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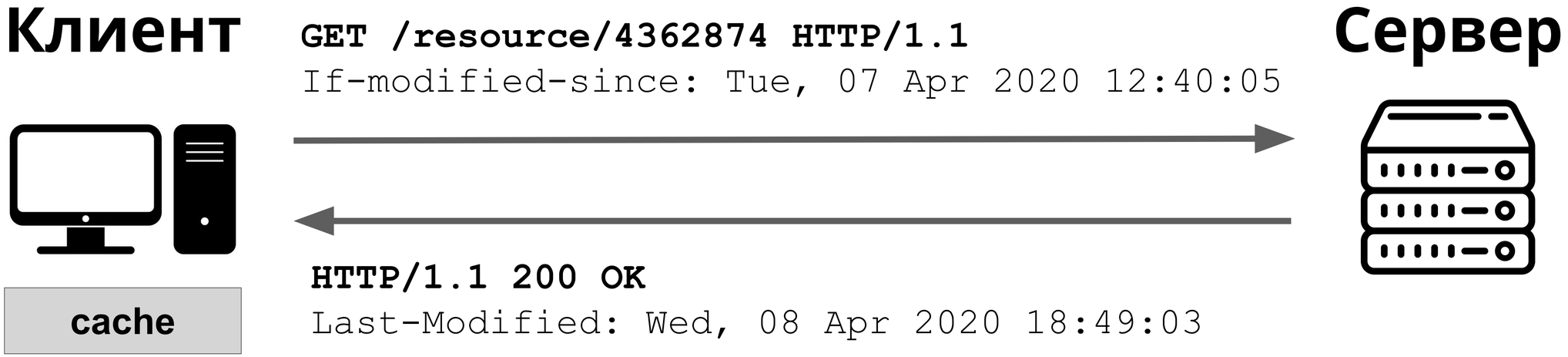
Redirectional (3xx) Status Codes



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Redirectional (3xx) Status Codes

```
301 Moved Permanently

302 Moved Temporarily

303 See Other

304 Not Modified
```

Skillbox

Redirectional (3xx) Status Codes

```
301 Moved Permanently

302 Moved Temporarily

303 See Other

304 Not Modified

305 Use Proxy
```

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Redirectional (3xx) Status Codes

```
300 Multiple Choices

307 Temporary Redirect

308 Permanent Redirect
```

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Client Error (4xx) Status Codes

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Client Error (4xx) Status Codes

```
400 Bad Request
```

400 Bad Request

```
PUT /api/user/73289 HTTP/1.1
Accept: application/json
Content-Type: application/json

{
   “title”: “Support Guide”,
   “count”: 789423
}
```

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Client Error (4xx) Status Codes

```
400 Bad Request

401 Unauthorized
```

401 Unauthorized

```
HTTP/1.1 401 Unauthorized
Server: nginx/1.14.0 (Ubuntu)
Content-Type: text/html; charset=UTF-8
Date: Thu, 09 Apr 2020 21:03:52 GMT
WWW-Authenticate: Basic realm="Secured Area"
```

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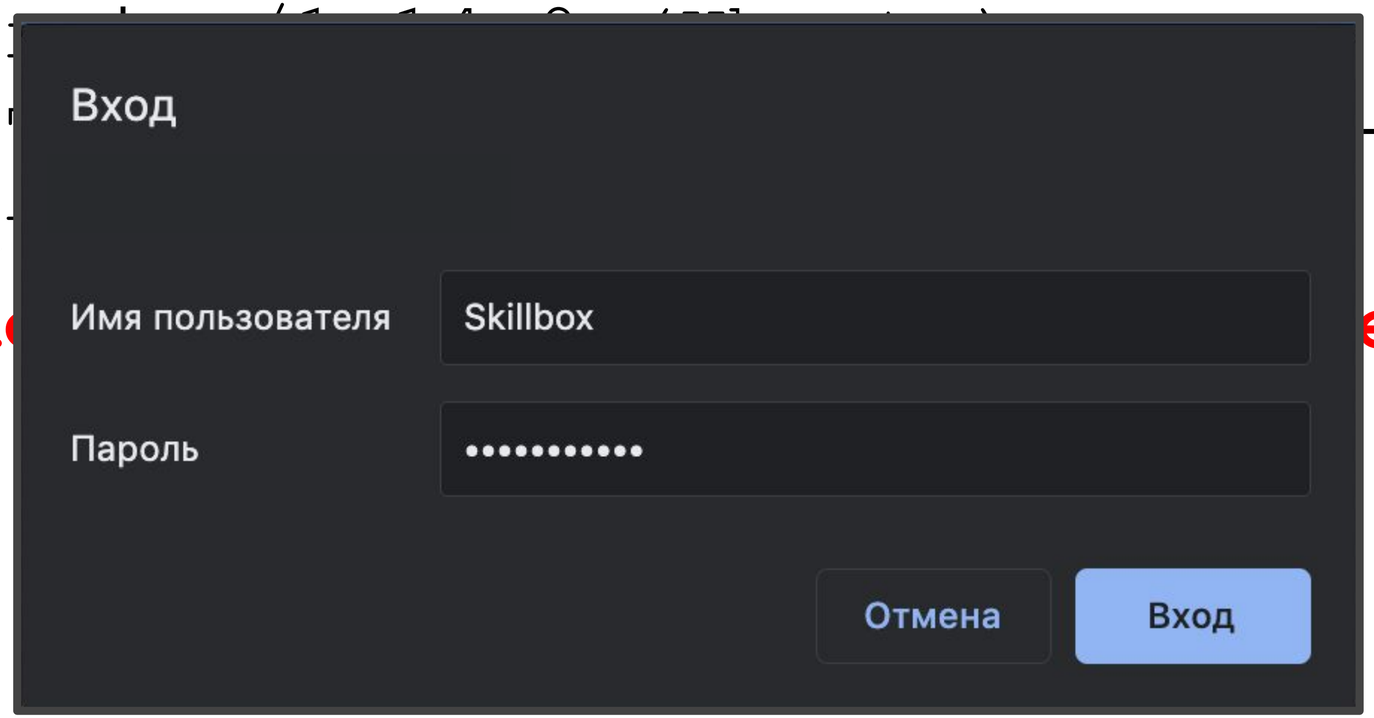
401 Unauthorized

```
HTTP/1.1 401 Unauthorized
Server: nginx/1.14.0 (Ubuntu)
Content-Type: text/html; charset=UTF-8
Date: Thu, 09 Apr 2020 21:03:52 GMT
WWW-Authenticate: Basic realm="Secured Area"
```

401 Unauthorized

```
HTTP/1.1 401 Unauthorized
Server:
Content-T                                    -8
Date: Th
WWW-Auth                                    ed Area"
```



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Client Error (4xx) Status Codes

```
400 Bad Request
401 Unauthorized
403 Forbidden
```

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Client Error (4xx) Status Codes

```
400 Bad Request
401 Unauthorized
403 Forbidden
404 Not Found
```

Skillbox

Client Error (4xx) Status Codes

```
400 Bad Request
401 Unauthorized
403 Forbidden
404 Not Found
405 Method Not Allowed
```

Skillbox

Client Error (4xx) Status Codes

```
400 Bad Request
401 Unauthorized
403 Forbidden
404 Not Found
405 Method Not Allowed
408 Request Timeout
```

Skillbox

Client Error (4xx) Status Codes

```
400 Bad Request
401 Unauthorized
403 Forbidden
404 Not Found
405 Method Not Allowed
408 Request Timeout
414 URI Too Long
```

Skillbox

Client Error (4xx) Status Codes

```
400 Bad Request
401 Unauthorized
403 Forbidden
404 Not Found
405 Method Not Allowed
408 Request Timeout
414 URI Too Long
429 Too Many Requests
```

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Client Error (4xx) Status Codes

```
406 Not Acceptable
407 Proxy Authentication Required
409 Conflict
410 Gone
411 Length Required
412 Precondition Failed
413 Payload Too Large
415 Unsupported Media Type
416 Range Not Satisfiable
417 Expectation Failed
419 Authentication Timeout
421 Misdirected Request
```

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Client Error (4xx) Status Codes

```
422 Unprocessable Entity
423 Locked
424 Failed Dependency
426 Upgrade Required
428 Precondition Required
429 Too Many Requests
431 Request Header Fields Too Large
434 Requested host unavailable
449 Retry With
451 Unavailable For Legal Reasons
499 Client Closed Request
```

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Server Error (5xx) Status Codes

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Server Error (5xx) Status Codes

```
500 Internal Server Error
```

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Server Error (5xx) Status Codes

```
500 Internal Server Error

502 Bad Gateway
```

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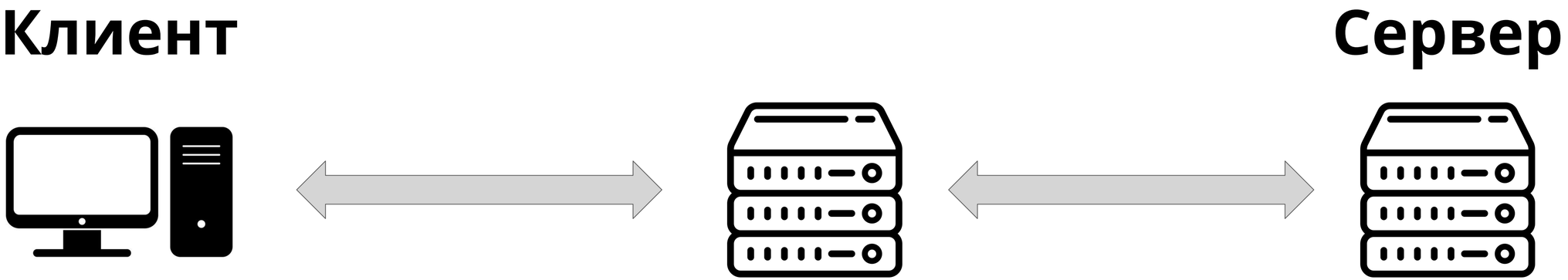
502 Bad Gateway



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502 Bad Gateway

Skillbox

502 Bad Gateway

Skillbox

Server Error (5xx) Status Codes

500 Internal Server Error

502 Bad Gateway

503 Service Unavailable

Skillbox

Server Error (5xx) Status Codes

```
500 Internal Server Error

502 Bad Gateway

503 Service Unavailable

504 Gateway Timeout
```

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504 Gateway Timeout

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Server Error (5xx) Status Codes

```
501 Not Implemented
505 HTTP Version Not Supported
506 Variant Also Negotiates
507 Insufficient Storage
509 Bandwidth Limit Exceeded
510 Not Extended
511 Network Authentication Required
...
```

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HTTP Status Codes

1xx — Informational

2xx — Success

3xx — Redirection

4xx — Client Error

5xx — Server Error

Skillbox

HTTP Status Codes

1xx — Informational

2xx — Success (`200 OK`)

3xx — Redirection

4xx — Client Error

5xx — Server Error

Skillbox

HTTP Status Codes

1xx — Informational

2xx — Success (`200 OK`)

3xx — Redirection (`301`, `302`, `304`)

4xx — Client Error

5xx — Server Error

Skillbox

HTTP Status Codes

1xx — Informational

2xx — Success (`200 OK`)

3xx — Redirection (`301`, `302`, `304`)

4xx — Client Error (`400`, `401`, `402`, `403`, `404`)

5xx — Server Error

Skillbox

HTTP Status Codes

1xx — Informational

2xx — Success (`200 OK`)

3xx — Redirection (`301`, `302`, `304`)

4xx — Client Error (`400`, `401`, `402`, `403`, `404`)

5xx — Server Error (`500`, `502`, `503`, `504`)