

A Guide to HTTP Status Codes for Developers

Introduction

HTTP status codes are 3-digit codes that indicate the result of an HTTP request. These codes are a core part of the HTTP protocol and useful for developers.

1xx Informational

100 Continue

101 Switching Protocols

102 Processing

2xx Success

200 OK

201 Created

202 Accepted

204 No Content

3xx Redirection

301 Moved Permanently

302 Found

303 See Other

304 Not Modified

4xx Client Error

400 Bad Request

401 Unauthorized

403 Forbidden

404 Not Found

408 Request Timeout

5xx Server Error

500 Internal Server Error

501 Not Implemented

502 Bad Gateway

503 Service Unavailable

504 Gateway Timeout

Using Status Codes

- Set appropriate status codes in server frameworks like Express, Django, Rails.
- Check status codes when handling responses from APIs.
- Troubleshoot issues based on status codes in logs.
- Provide semantic feedback to users based on codes.

Status codes enable consistent communication of outcomes and issues. Understanding how to use them helps build more robust applications.

Conclusion

HTTP status codes are a key element of HTTP and useful for modern web development.