

# HTTP Crash Course

Hypertext Transfer Protocol

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## ⇒ What are HTTP headers

metadata → key-value sent along with request & response

→ caching, authentication, manage state

X-prefix → 2012 (X-deprecated)

- Request Headers → from Client
- Response Headers → from Server
- Representation Headers → encoding / compression
- Payload Headers → data

## Most common Headers

- Accept : application/json
- User-Agent
- Authorization
- Content-Type
- Cookie
- Cache-Control

## CORS

Access-Control-Allow-Origin

Access-Control-Allow-Credentials

Access-Control-Allow-Method

## Security

Cross-Origin-Embedder-Policy

Cross-Origin-Opener-Policy

Content-Security-Policy

X-XSS-Protection

# HTTP methods

Basic set of operations that can be used to interact with server

- GET : retrieve a resource
- HEAD : No message body (response headers only)
- OPTIONS : what operations are available
- TRACE : loopback test (get same data)
- DELETE : remove a resource
- PUT : replace a resource
- POST : interact with resource (mostly add)
- PATCH : change part of a resource

# HTTP Status Code

- 1xx Informational
- 2xx Success
- 3xx Redirection
- 4xx Client error
- 5xx Server error

100	Continue	400	Bad request
102	Processing	401	Unauthorized
200	OK	402	Payment required
201	Created	404	Not Found
202	Accepted	500	Internal Server Error
307	Temporary redirect	504	Gateway time Out
308	Permanent redirect		