

HTTP CACHING

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× Headers Preview Response Cookies Timing

▼ General

Request URL:

https://www.zhihu.com/

Request Method:

GET

Status Code:

🟢 200 OK

Remote Address:

118.178.213.186:443

Referrer Policy:

no-referrer-when-downgrade

▼ Response Headers

view source

Cache-Control:

private,no-store,max-age=0,no-cache,must-revalidate,post-check=0,pre-check=0

Connection:

keep-alive

Content-Encoding:

gzip

Content-Security-Policy:

default-src * blob:;img-src * data: blob:;frame-src 'self' *.zhihu.com *.zhihu.dev getpocket.com note.youdao.com safari-extension://com.evernote.safari.clipper-Q79WDW8YH9 weixin: zhihujs: v.qq.com v.youku.com www.bilibili.com;script-src 'self' *.zhihu.com *.google-analytics.com zhstatic.zhihu.com res.wx.qq.com 'unsafe-eval' unpkg.zhimg.com blob:;style-src 'self' *.zhihu.com *.zhihu.dev 'unsafe-inline';connect-src * wss:

Content-Type:

text/html; charset=utf-8

Date:

Mon, 24 Jul 2017 21:44:27 GMT

Expires:

Fri, 02 Jan 2000 00:00:00 GMT

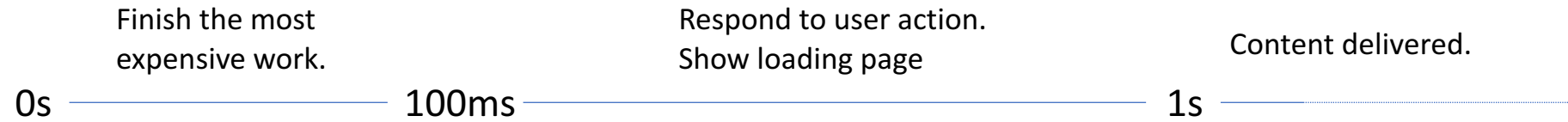
Pragma:

no-cache

Server:

ZWS

HTTP Caching - Why



User = Traffic = Money

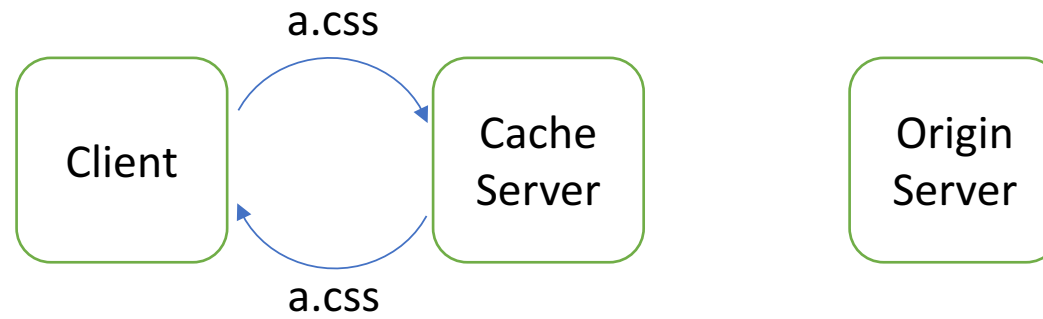
HTTP Caching - Why

- **Improved responsiveness**
- **Decreased network costs**

Example: 12306

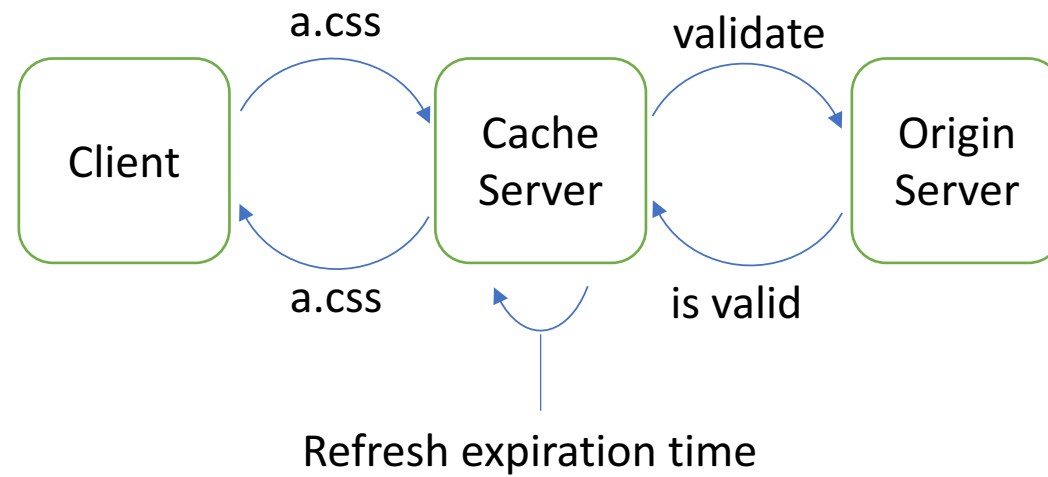
HTTP Caching - How

Fresh Content



HTTP Caching - How

Stale Content



Cache Location

- **Browser Cache**
- **Intermediary caching proxies -
CDN**
- **Reverse Cache**

What can be cached?

- **Images**
- **CSS**
- **General Javascript files**
- **Downloadable Content**
- **Media Files**

What can not be cached?

- **Assets related to sensitive data (banking info, etc.)**
- **User-specific content**
- **Frequently changing content**

Cache Headers

- **Cache-Control**
- **Etag**
- **Last-Modified**
- **Expires**

Cache-Control

- **no-cache**
- **no-store**
- **public**
- **private**
- **max-age**
- **s-maxage**
- **must-revalidate**
- **proxy-revalidate**

Invalidating and Updating Cached Responses

Long Term Cache

- Long expire time.
- Use fingerprint for static resources.
- Use CDN for static resources.
- Publish without replace.

