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Key Value Pair Descriptions

The first header is “Alt-SVC” and it stands for alternate service. It tells the client about alternate routes to get to the same place. Used if there is something wrong with the site.

Cache-Control describes everything about caching like who can cache, for how long, and under what conditions. In this case it is private, meaning it is just for one user. Further it allows for a max age of 0, so it must update every time.

Content-encoding is the encoding used to compress the media. In this case it is gzip, a 32 bit encoding.

Content type indicate the type of media used, my file is application/json.

Date is the date and time.

E-Tag is an identifier for the resource. If the resource is changed it gets a new e-tag, this allows for more efficient caching.

The expires header describes when the resource will be considered stale, in my case it is the same as the date.

The server header indicates the software used by the server, mine uses GSE: a Google open source server.

The Transfer encoding header indicates the type of encoding used during transfer. This means the data was divided into chunks that do not overlap and set independently.

The vary header is used to decide how to match future request headers, mine is decided by the origin.

The X-Content-Type-Options header allows for an opt out of MIME sniffing. My response is set to nosniff.

The X-Frame Option header tells the browser how it can render the page. This is a security measure.

The X-XSS Protection header is also a security measure that prevents XSS attacks.