



Cloud CDN

#GCPsketchnote

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Our website is slow, cost is high and users are frustrated!!

It's because our users are across the globe and servers are only in the US.

We need a tool that helps

- Reduce Latency
- Reduce Cost
- Reduce Load

SYS ADMIN SAM

DEVELOPER ERIN

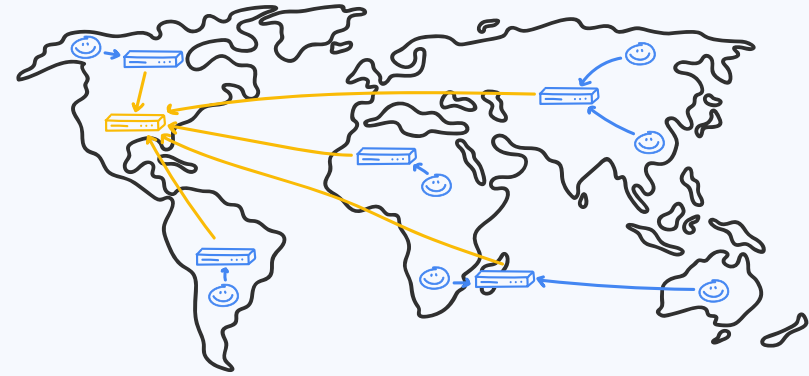
Cloud CDN!

What is Cloud CDN?

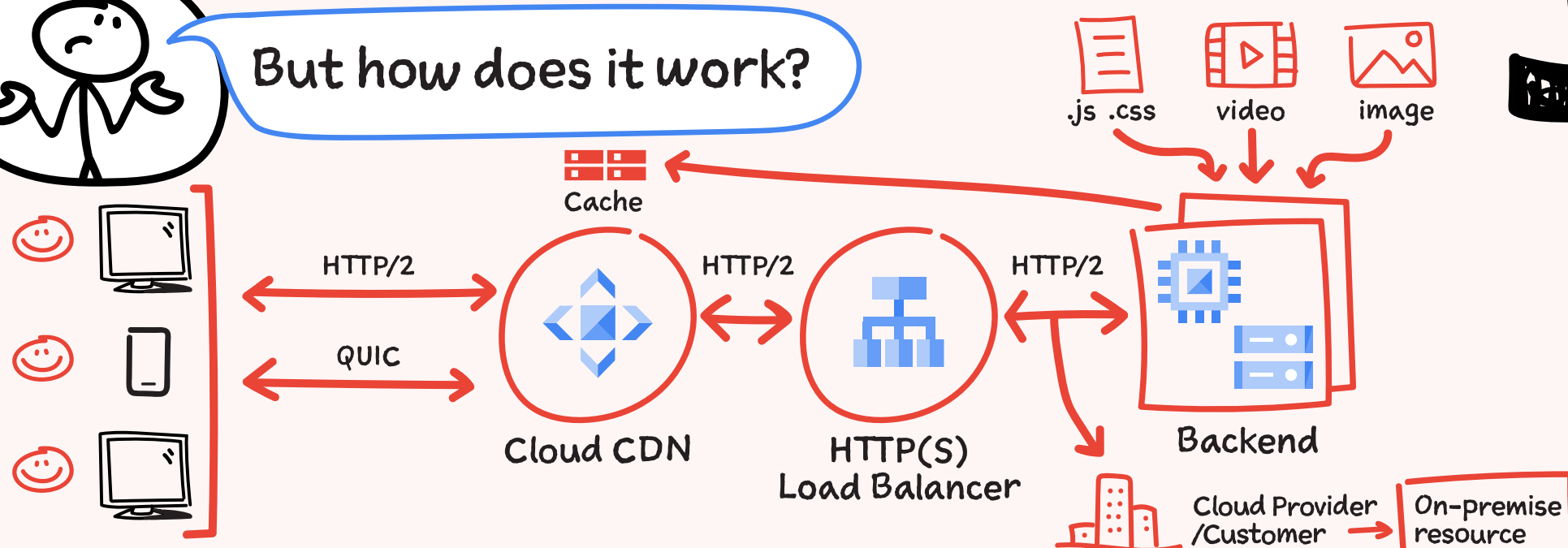
CONTENT DELIVERY NETWORK
= ACCELERATE WEB & VIDEO CONTENT



Origin Server Google Edge Server User



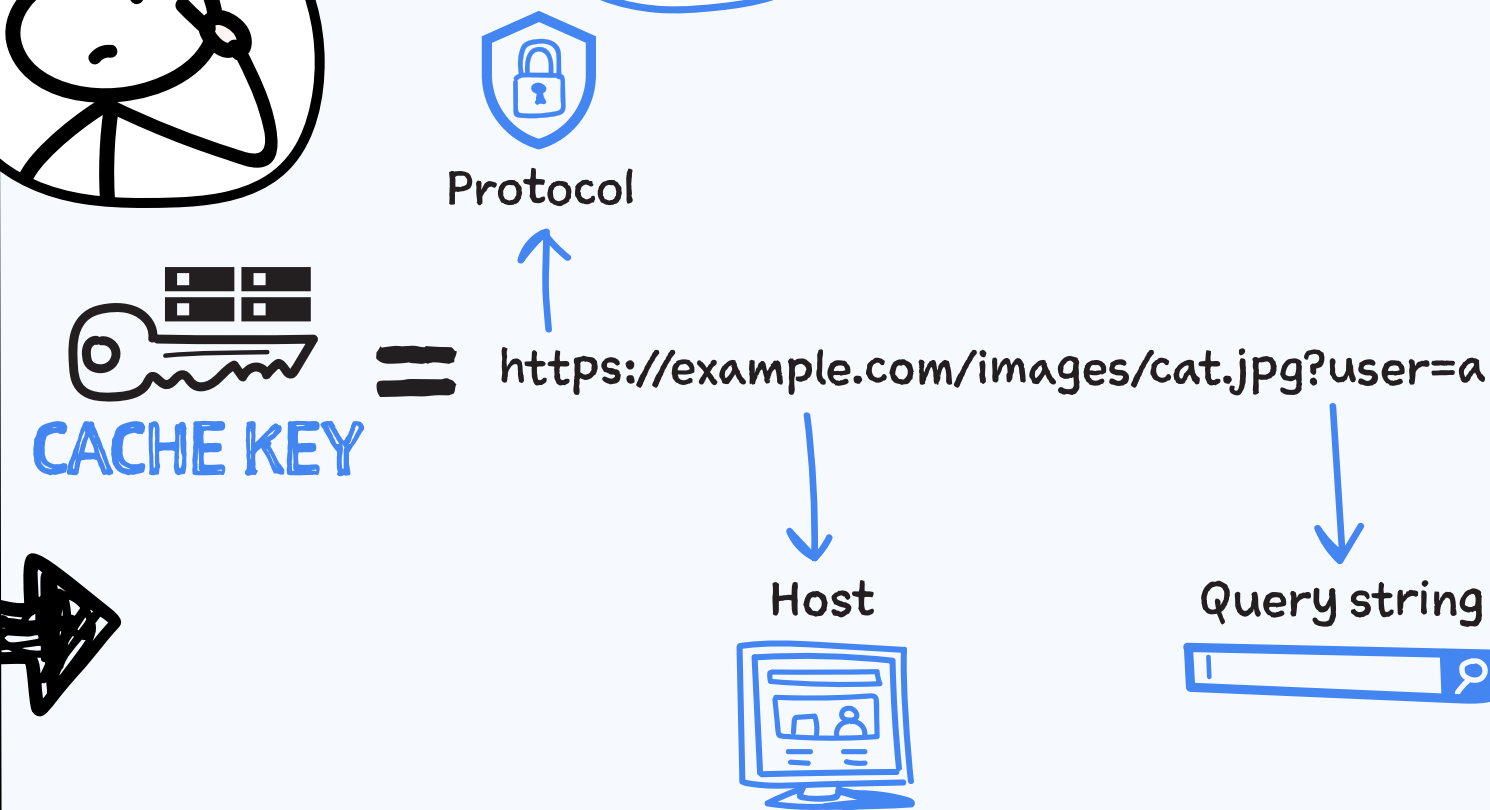
But how does it work?



How do I use Cloud CDN?

- 1 Enable CDN
- 2 Select Cache Modes
 - Cache all content
 - Use origin header Cache-control
 - Force cache all content
- 3 Set TTL (Time to live)

How does Cloud CDN look for files in cache?



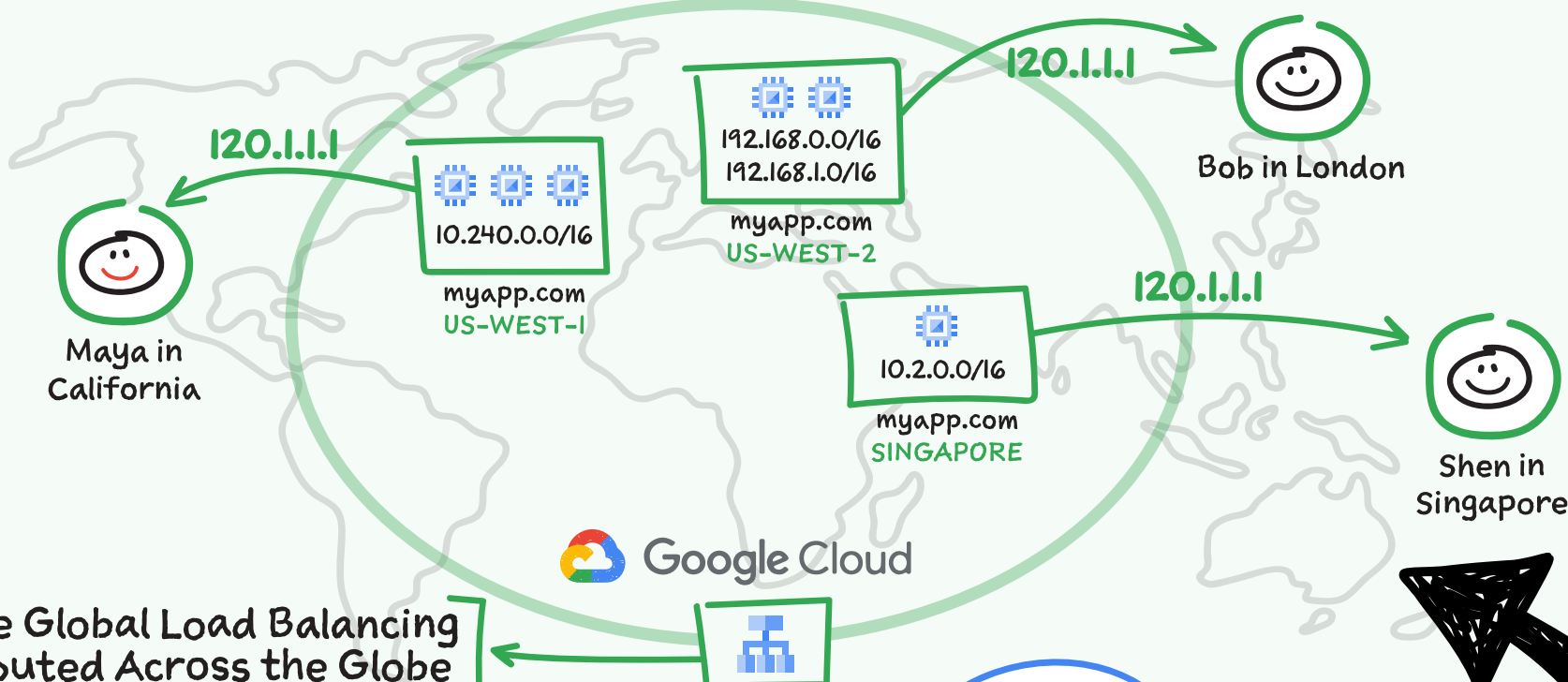
How is Anycast IP helpful?

SINGLE IP GLOBAL REACH
Intelligent Anycast

DNS

`www.myapp.com`
A record `120.1.1.1`

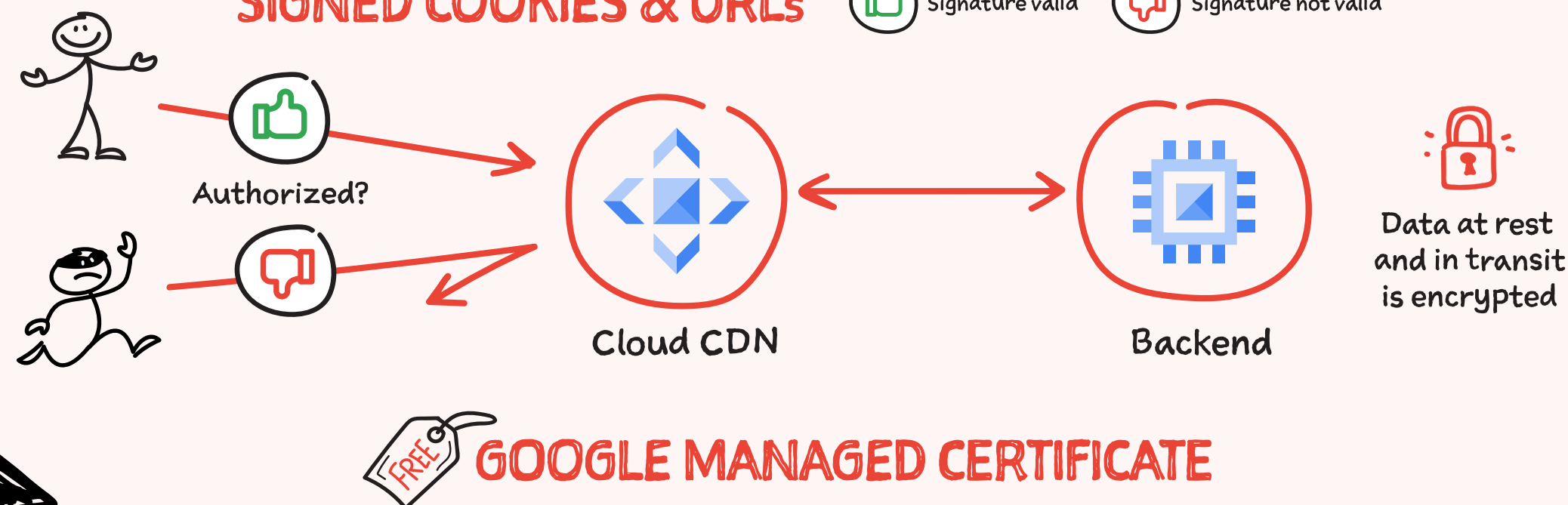
Google Global Load Balancing distributed Across the Globe



How do I secure content using Cloud CDN?

SIGNED COOKIES & URLs

Signature valid Signature not valid



SECURITY