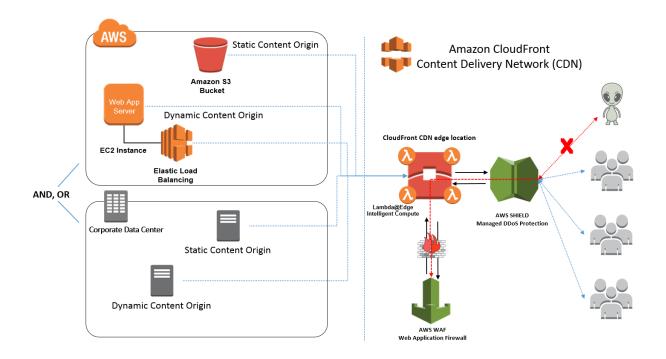
AWS CloudFront demo by photos and docs

Intro - https://aws.amazon.com/caching/cdn/



1) Docs/urls:

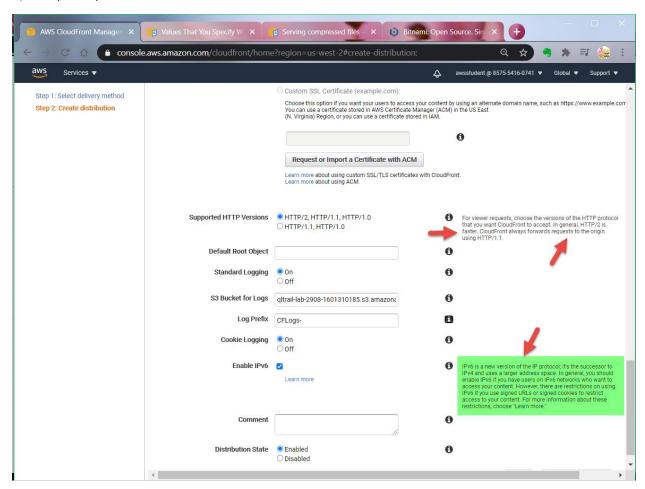
- a) CF https://console.aws.amazon.com/cloudfront/home?region=us-east-1#fle:
- b) Dev guide –
 https://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/Introduction.html
- c) Cache Expiration https://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/Expiration.html
- d) Compress https://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/ServingCompressedF iles.html
- e) Geo Restriction https://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/distribution-web-values-specify.html#DownloadDistValuesEnableIPv6
- f) Protocols and Ciphers https://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/secure-connectionssupported-viewer-protocols-ciphers.html#secure-connections-supported-ciphers
- g) Origin Access Identity https://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/private-content-restricting-access-to-s3.html
- h) Field Level Encryption https://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/field-level-encryption-setting-up
- i) Age header https://developer.mozilla.org/en-US/docs/Web/HTTP/Headers/Age
- j) Lab https://www.qwiklabs.com/focuses/13391?parent=catalog

k) CF Whats-new -

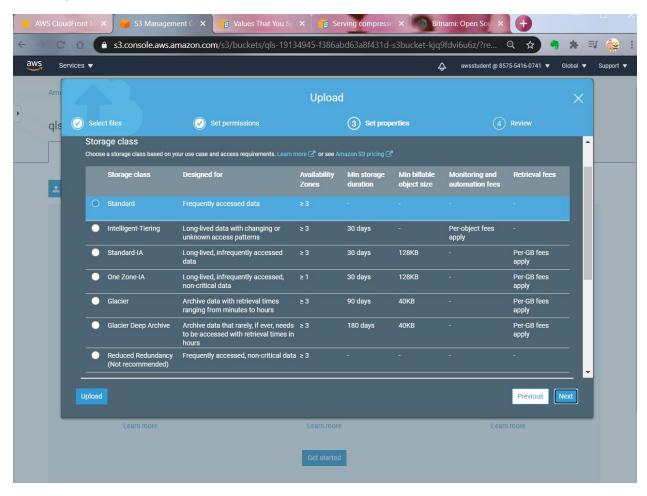
- https://aws.amazon.com/about-aws/whats-new/2020/07/cloudfront-cache-key-policy/ (Cache key and Origin Request Policies)
- https://aws.amazon.com/about-aws/whats-new/2020/08/cloudfront-realtimelogs/ (real-time logs)

Demo by Photos:

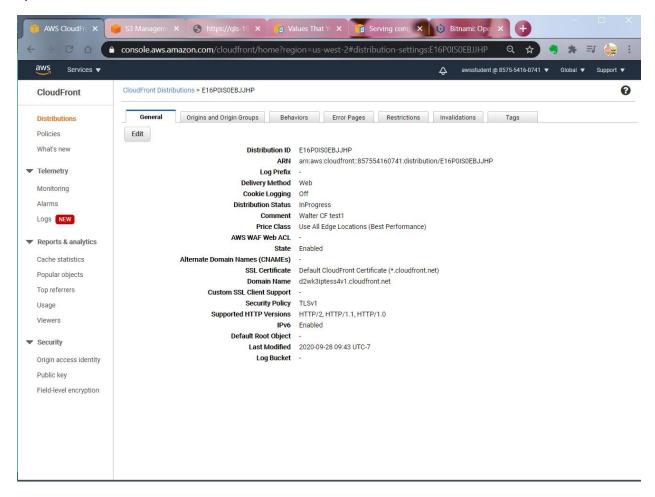
1) Easy set up



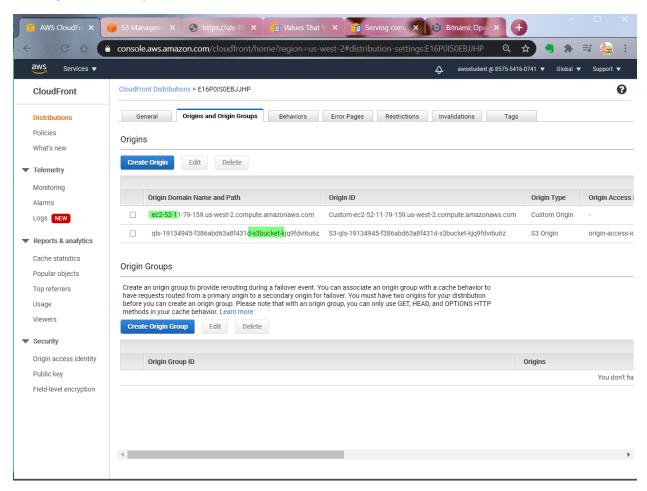
2) Many S3 bucket choices for static contents:



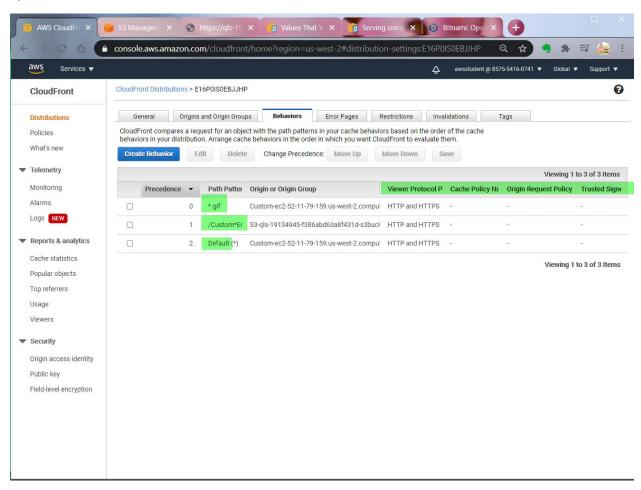
3) Fast activation of new CF distribution:



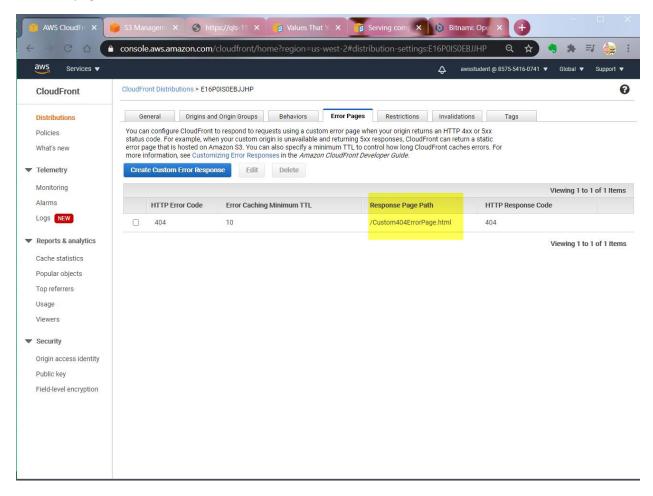
4) Origins below = Dynamic EC2 web server + S3 buckets for static



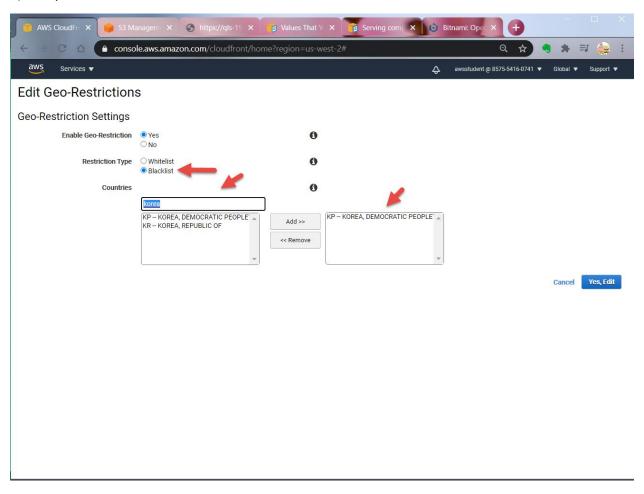
5) Diff cache and other behaviors:



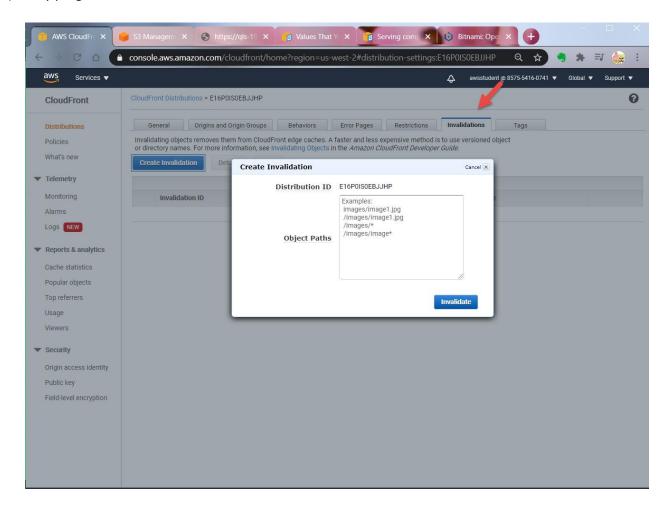
6) Error page customization:



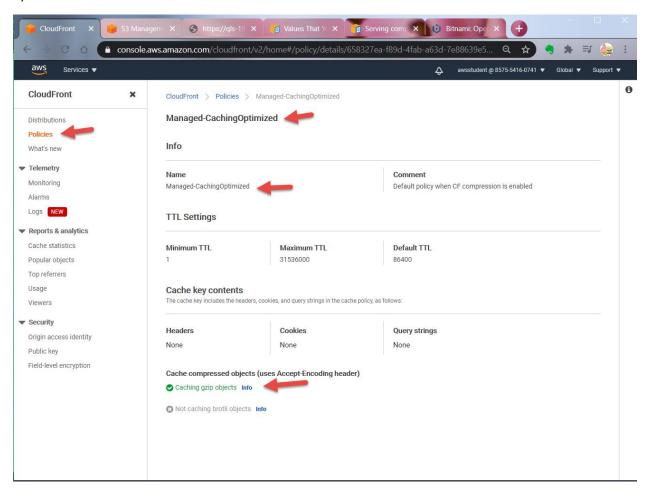
7) Easy Geo Restriction:

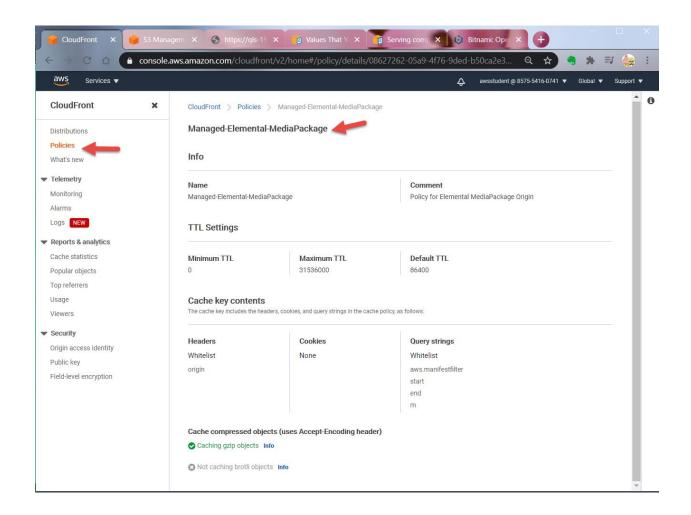


8) Easy purge/invalidation:

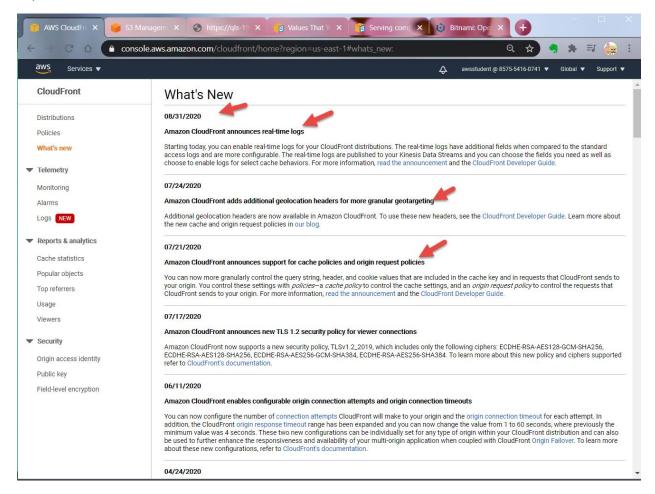


9) CF Policies:

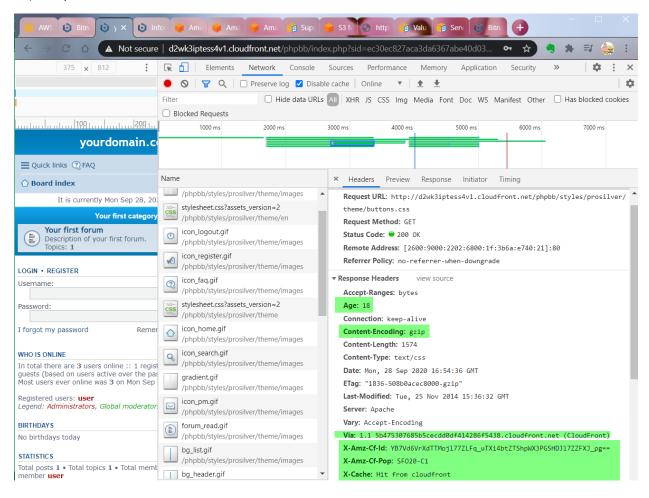




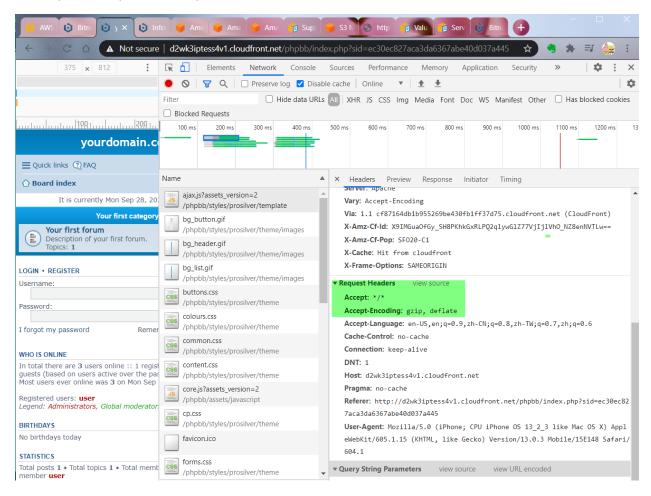
10) What's New in CF:



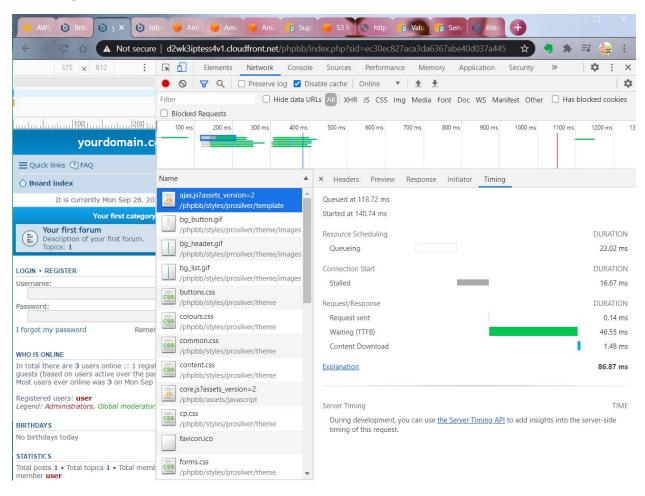
11) Sample CF headers:



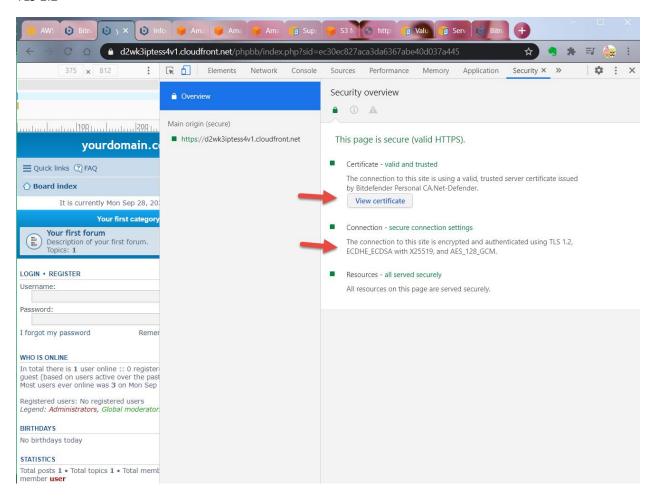
Still http1.1 in request, not http2?



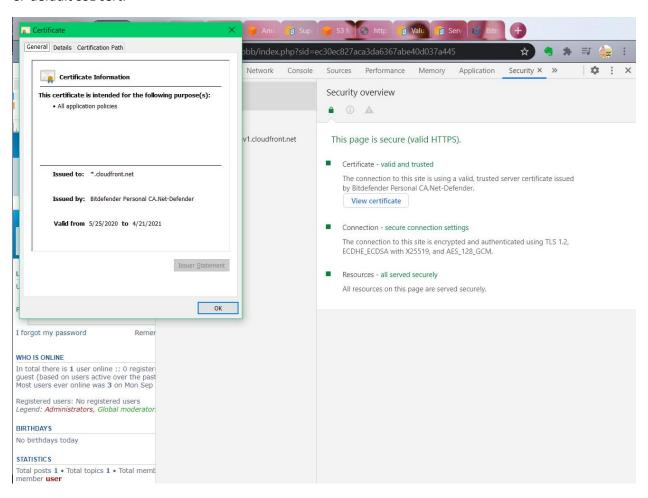
Fast timing:



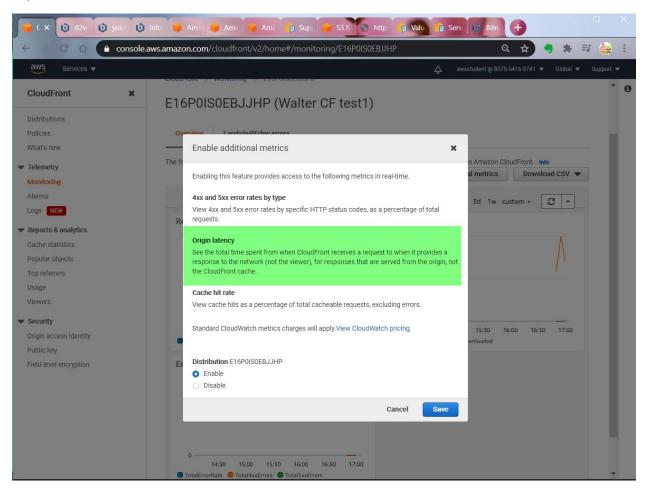
TLS 1.2



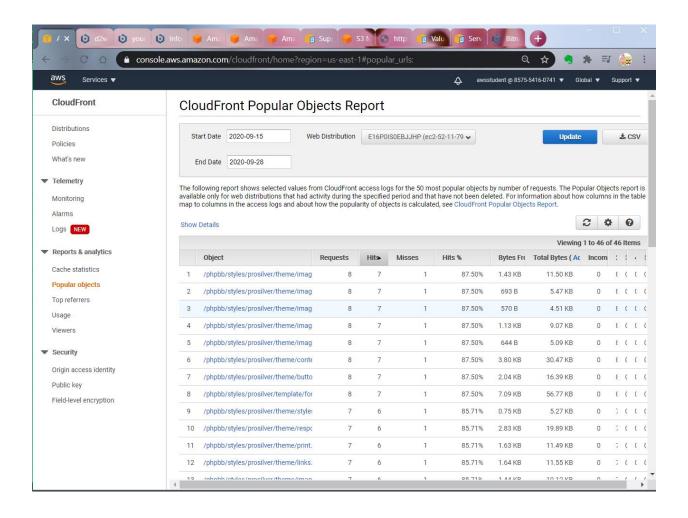
CF default SSL cert:



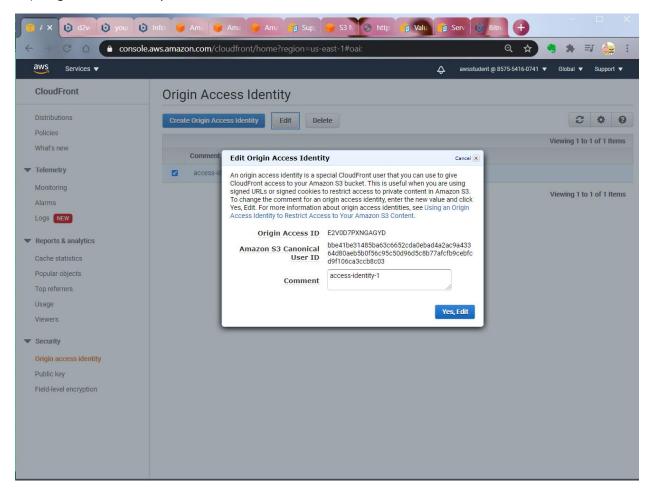
12) Add more metrics



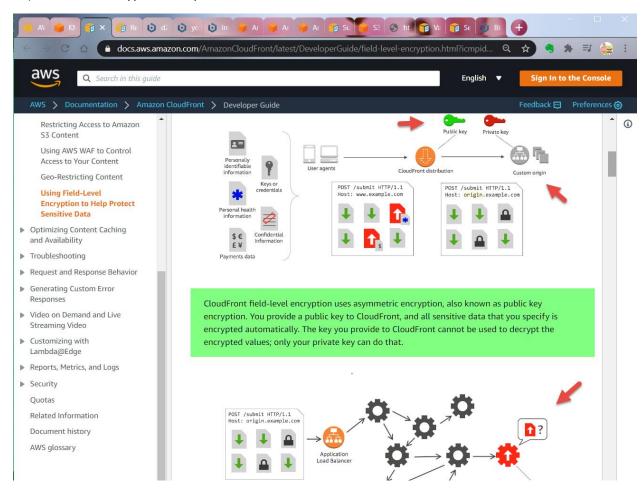
Popular objects:



13) Origin access identity



14) Field level encryption setup:



Easy setup:

