



AWS CloudFront





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What is CloudFront?

CloudFront

What is CloudFront?



- CloudFront is the **Content Delivery Network (CDN)** of AWS.
- Basically, it is a globally distributed network located on different geographical places.

CloudFront

What is CloudFront?



- The aim of this service is to **provide faster distribution** to the dynamic or the static web contents.
- World-wide distributed data centers which are called **edge locations** are the backbone of CloudFront.



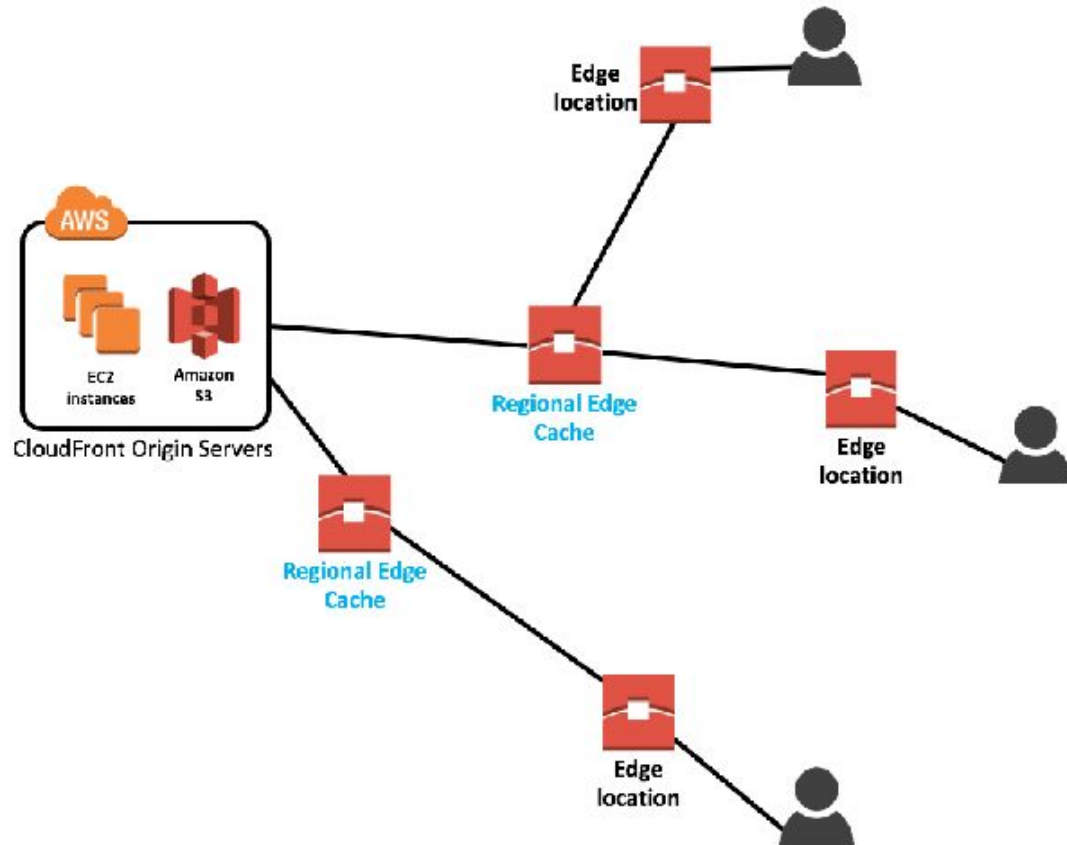
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CloudFront Infrastructure

CloudFront

CloudFront Infrastructure

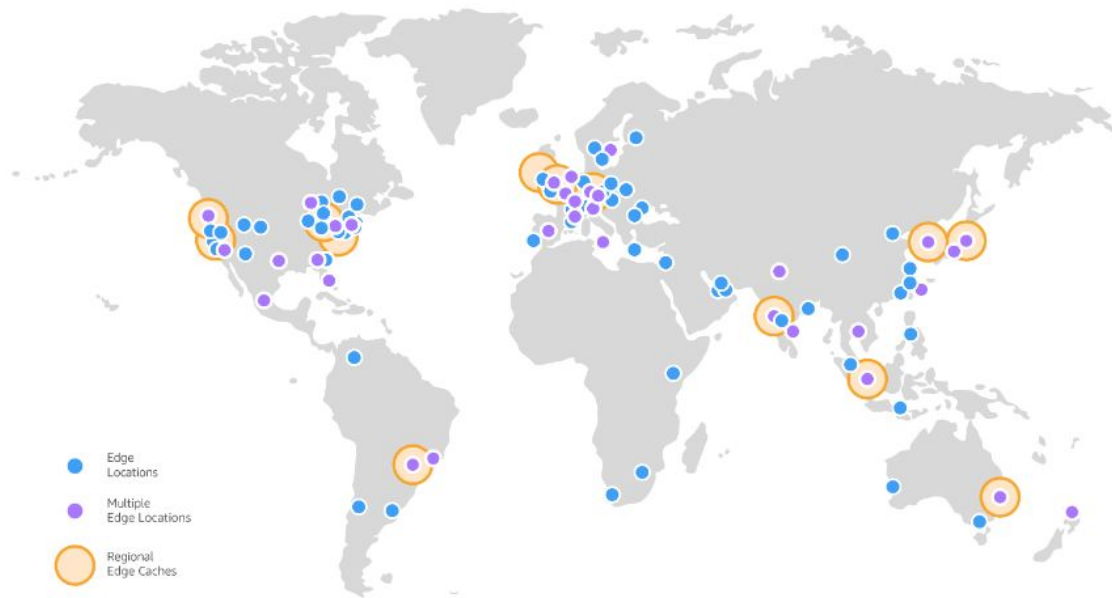
- AWS CloudFront has a world-wide network of **600+ Points of Presence (PoP)***:
 - **500+ Edge Locations**
 - **13 Regional Edge Caches**



*as of Apr 2024.

CloudFront

CloudFront Infrastructure



- These facilities are spread over 100+ cities across 50 countries*.

* Apr 2024

CLARUSWAY

WAY TO REINVENT YOURSELF

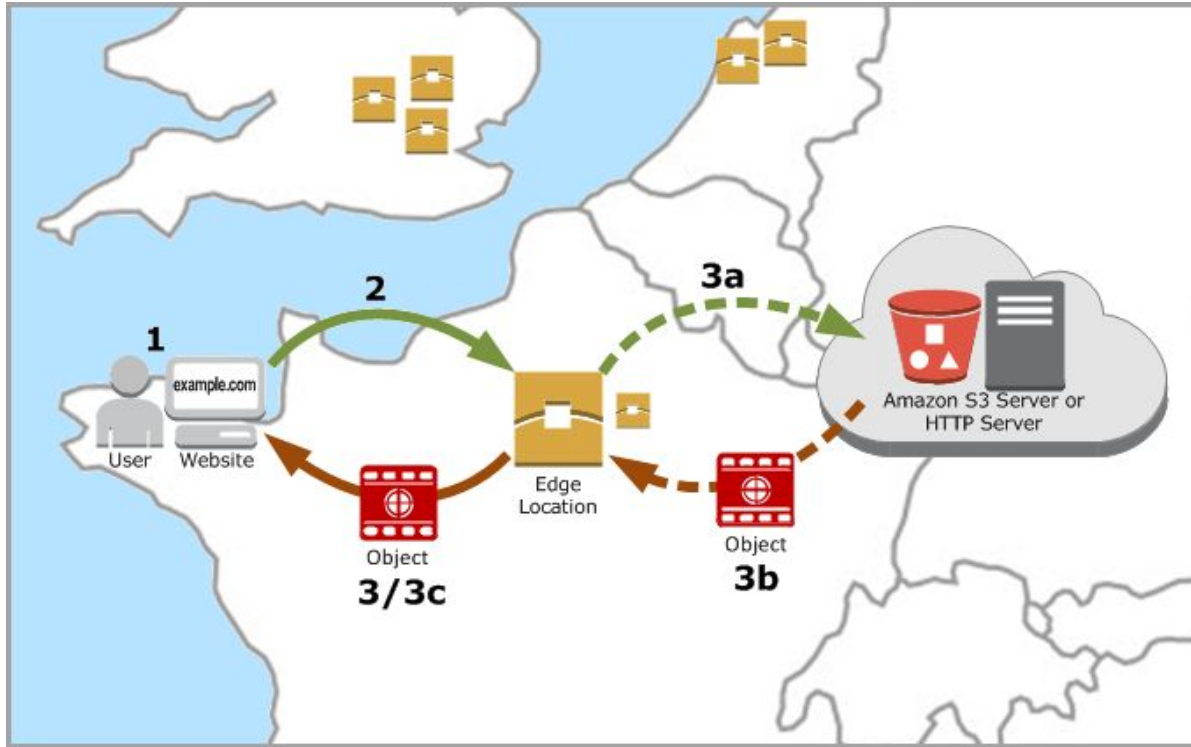


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How does CloudFront work?

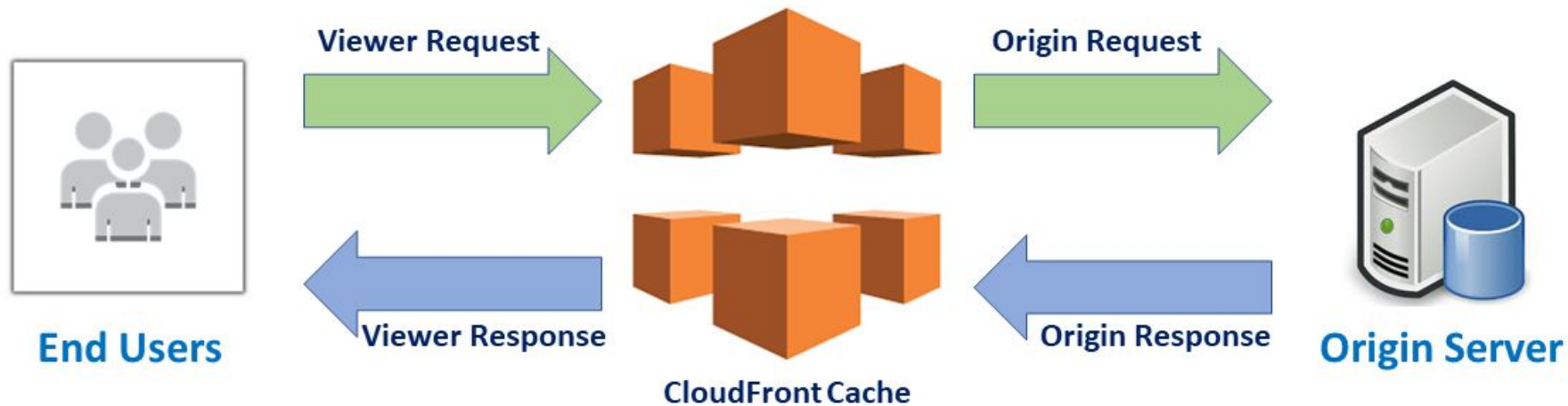
CloudFront

How does it work?



CloudFront

How does it work?





CloudFront

Origins

- AWS Origin
 - Elastic Load Balancer
 - Mediastore Container
 - Mediapackage Container
 - API Gateway
 - S3 Bucket (Enables OAC/OAI-Origin Access Control/Identity)
- Custom Origin (HTTP)
 - EC2 Instance
 - Any HTTP server
 - S3 Static Website





CloudFront

Signed URLs & Signed Cookies

- Signed URLs
 - Restrict access to individual files
 - For clients that doesn't support cookies
- Signed Cookies
 - Provide access to multiple restricted files
 - No changes in your current URL





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CloudFront Pricing

CloudFront

Pricing



Included in Always Free Tier

- 1 TB of data transfer out to the internet per month
- 10,000,000 HTTP or HTTPS Requests per month
- 2,000,000 CloudFront Function invocations per month
- 2,000,000 CloudFront KeyValueCollection reads per month
- Free SSL certificates
- No limitations, all features available

CloudFront

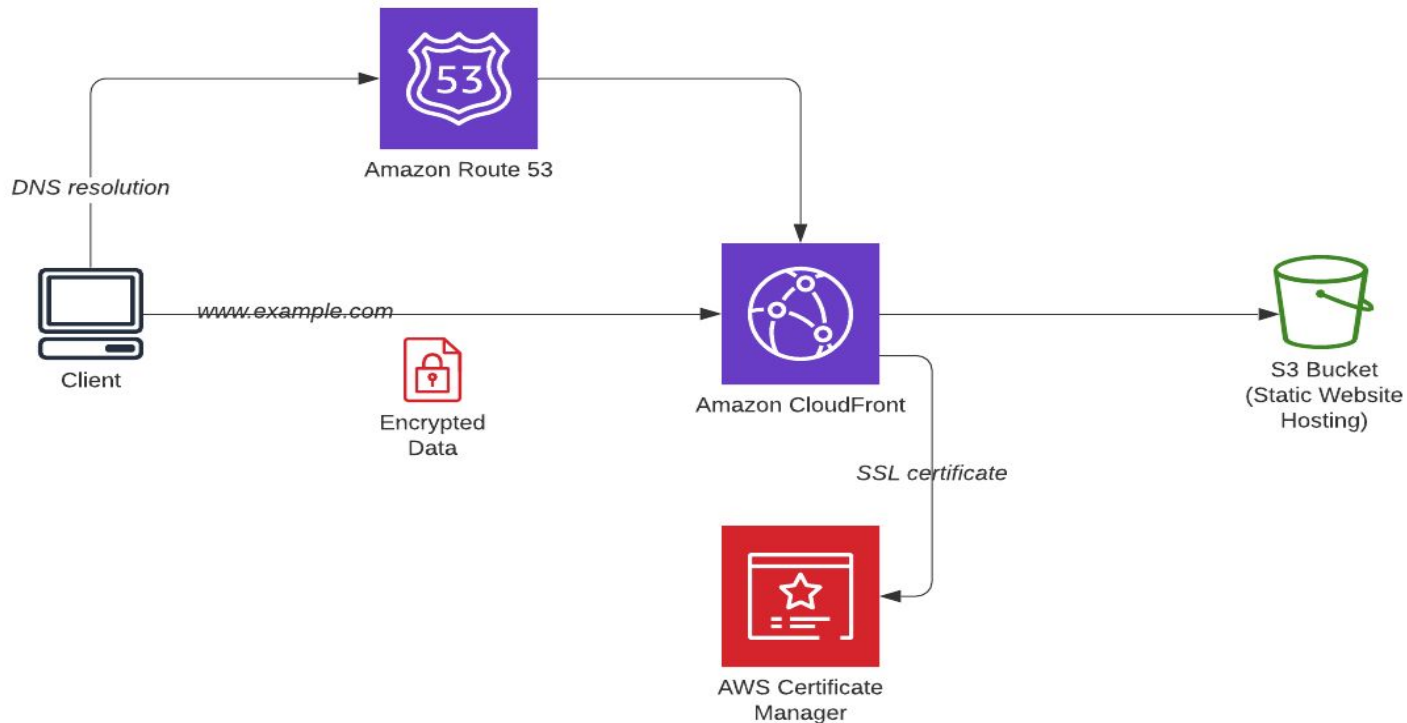
Pricing



- Pricing varies depending on **region** and **usage**. Thus, to be more cost effective setup your configuration regarding your goal, methods, end users and geographic locations.

CloudFront

Hands on Scenario





THANKS!

Any questions?

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