Speeding up with CloudFront and ElastiCache:

CloudFront Overview:

Steps to Improve Latency





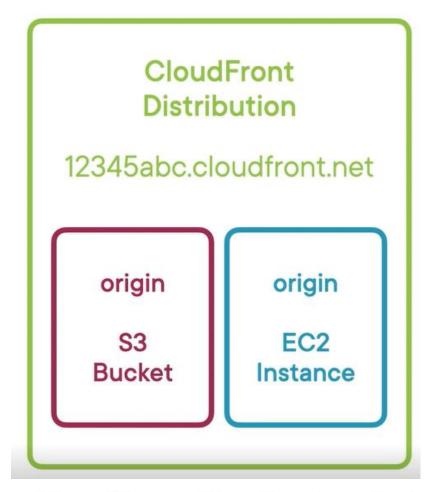


- Global content delivery network designed to reduce latency and reduce application load

CloudFront

Integrates with S3, EC2, and load balancers Edges "Objects" and serves them directly

Proxies dynamic content to origin source



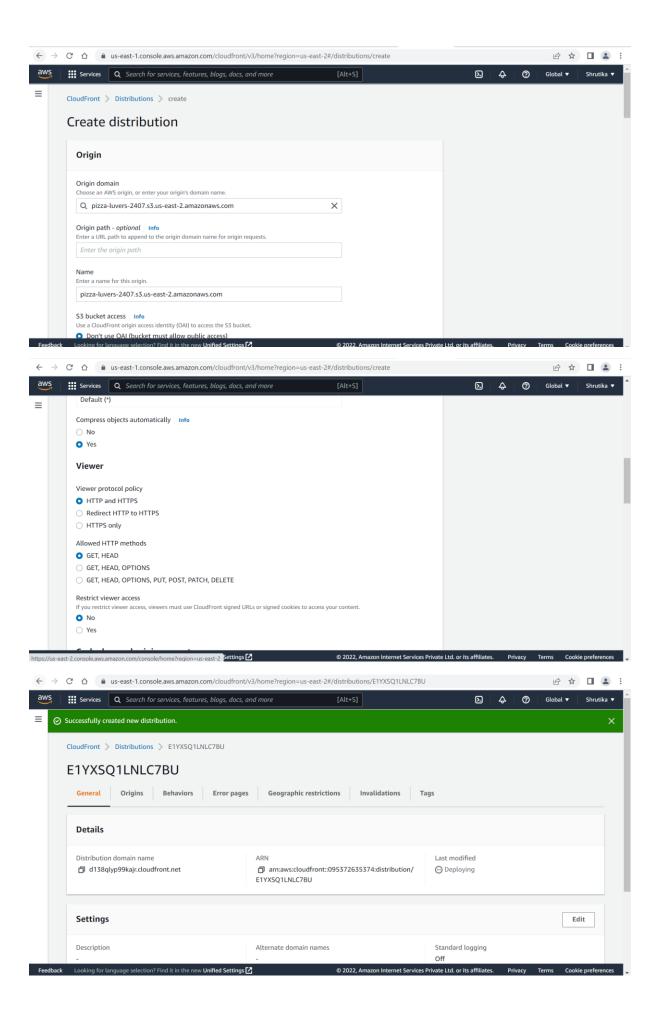
CloudFront Distribution Behaviors

Determines cache behavior based on path

Set time-to-live for specific content

Fine-tuned control over caching behavior

Demo: Create a CloudFront Distribution



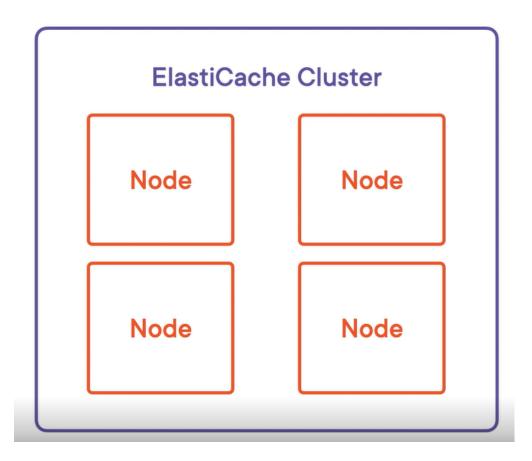
ElastiCache Overview:

- Managed service for in-memory cache datastore

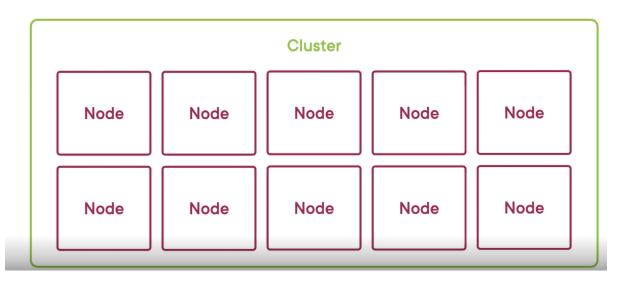
ElastiCache Features Managed maintenance, upgrades, etc.

Automatic read replicas

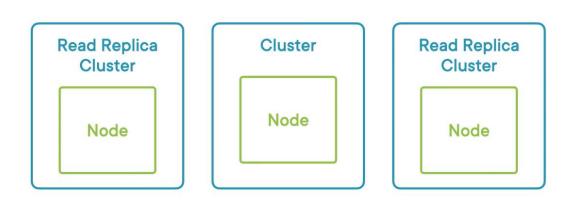
Simple node management



Memcached



Redis



AWS Resources to Remove

ElastiCache: Redis Cluster* **EC2:** Elastic IP Address ElastiCache: Cluster Backups **EC2:** AMIs (x2)

ElastiCache: Subnet Group EC2: Keypair

Elastic Beanstalk: Application **EC2:** EBS Snapshots **DynamoDB:** Tables (x2) **EC2:** Security Groups

RDS: DB Instance* **VPC:** VPC

\$3: Bucket (empty or delete)

EC2: Load Balancer **EC2:** Auto Scaling Group

* These resources will take EC2: Launch Template

awhile to delete

EC2: Instances