Lifecycle rule actions Choose the actions you want this rule to perform. Per-request fees apply. Learn more or see Amazon S3 pricing

Transition previous versions of objects between storage classes

Transition *current* versions of objects between storage classes

Expire current versions of objects

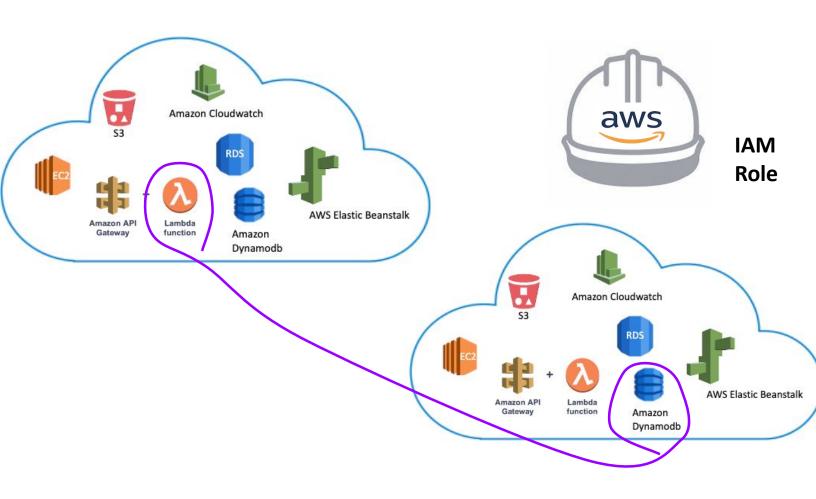
Permanently delete previous versions of objects

Delete expired delete markers or incomplete multipart uploads

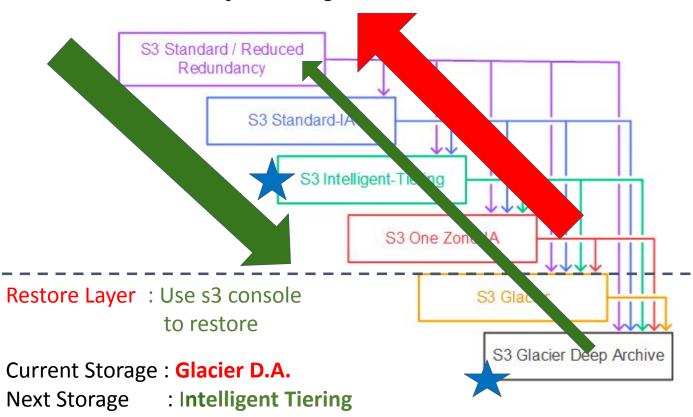
When a lifecycle rule is scoped with tags, these actions are unavailable.



ASG Scaling Policy Predictive scaling **Dynamic scaling Scheduled Action** Specific time or event Time: 09:00 am Step Target tracking Step 1: When: CPU >50 Simple - When: 50<CPU<80 How: AWS How: Add 1 EC2 determine itself When: CPU >50 Step:2 How: Add 1 EC2 - When: CPU >80 - How: Add 2 EC2



S3 Lifecycle Configuration-AWS console or CLI



Amazon FSx file systems



Amazon FSx for **NetApp ONTAP**

Fully managed shared storage built on NetApp's popular ONTAP file system.



Amazon FSx for **OpenZFS**

Fully managed shared storage built on the popular OpenZFS file system.



Amazon FSx for Windows File Server

Fully managed shared storage built on Windows Server.



Amazon FSx for Lustre

Fully managed shared storage built on the world's most popular high-performance file system.



- For Linux Instance
- Can't write/read S3

- Compatible with Windows Active Directory
- Compatible with **FSx File Gateway**
- HPC
- Compatible with \$3

Cost Savings Plan

1 year/1000 dollars/limit



Saving Plans

EC₂

Fargate

%66 Cost Saving

Lambda

Reserved Instances

1 year/1500 dollars/limitless

Convertible

RI (Reserved Instance)

%66 Cost Saving

EC2 Instance

Saving Plans

EC₂

%72 Cost Saving

Standart

RI (Reserved Instance)

EC₂

EC2

%72 Cost Saving



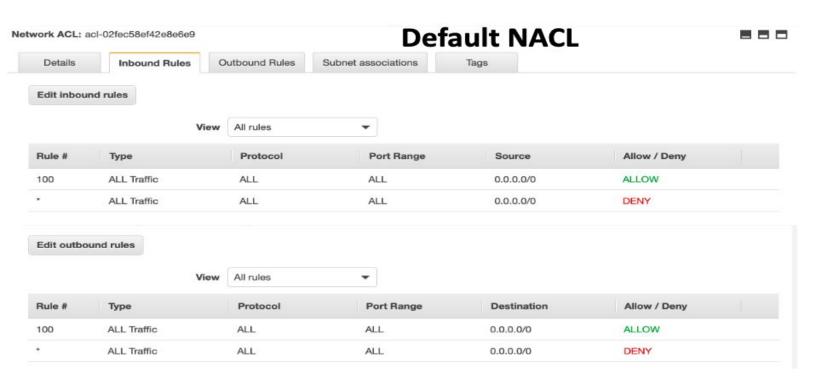
convertible to the other size of instance

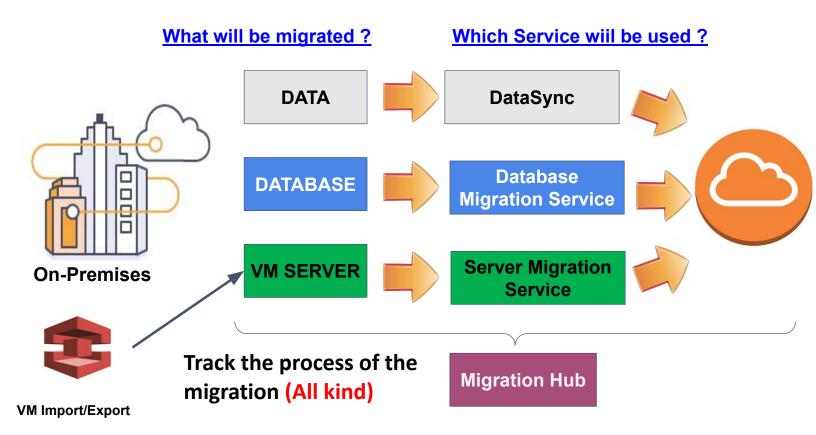
You are building an automated transcription service where Amazon EC2 worker instances process an uploaded audio file and generate a text file. You must store both of these files in the same durable storage until the text file is retrieved.

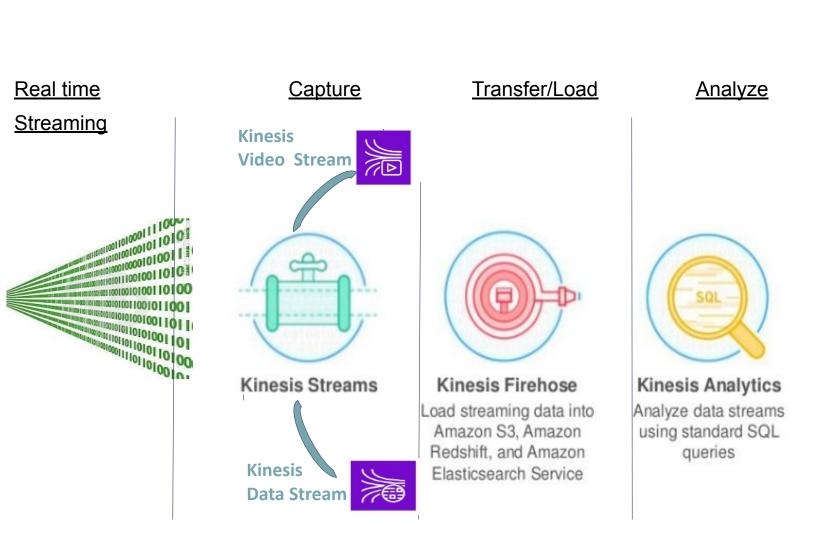
Customers fetch the text files frequently. You do not know about the storage capacity requirements. Which storage

option would be both cost-efficient and highly available in this situation?



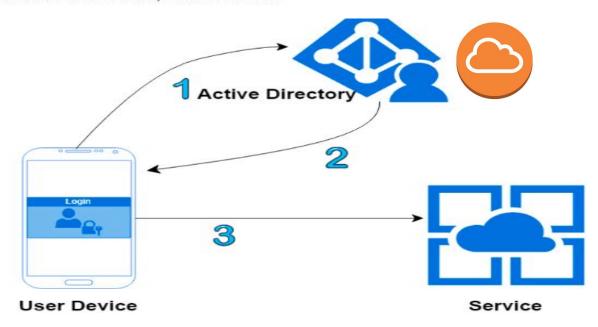


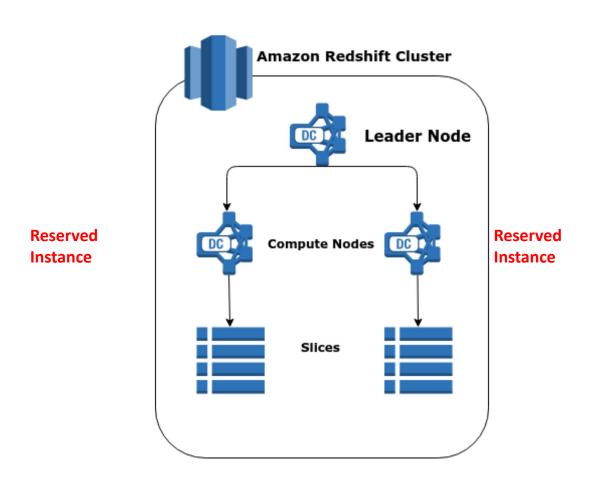




Your company authenticates users in a very disconnected network requiring each user to have several username/password combinations for different applications. You have been assigned a task

of consolidating and migrating services to the cloud and reducing the number of usernames and passwords, employees need to use. What would you recommend?





What will be migrated?

Which Service will be used?



On-Premises



DataSync











DATABASE



Server Migration Service





Physical data transfer device

Migration Hub



Linux operating system

Contains rules that block request patterns associated with exploitation of vulnerabilities specific to Linux, including LFI attacks. This can help prevent attacks that expose file contents or execute code for which the attacker should not have

200

Add to web ACL

PHP application

Contains rules that block request patterns associated with exploiting vulnerabilities specific to the use of the PHP, including injection of unsafe PHP functions. This can help prevent exploits that allow an attacker to remotely execute code or

100

Add to web ACL

POSIX operating system

Contains rules that block request patterns associated with exploiting vulnerabilities specific to POSIX/POSIX-like OS, including LFI attacks. This can help prevent attacks that expose file contents or execute code for which access should not been allowed.

100

Add to web ACL

SQL database

Contains rules that allow you to block request patterns associated with exploitation of SQL databases, like SQL injection attacks. This can help prevent remote injection of unauthorized queries.

200

Add to web ACL

Windows operating system

Contains rules that block request patterns associated with exploiting vulnerabilities specific to Windows, (e.g., PowerShell commands). This can help prevent exploits that allow attacker to run unauthorized commands or execute malicious code.

200

Add to web ACL

WordPress application

The WordPress Applications group contains rules that block request patterns

100

Add to web ACL



Verileri anlık internetten çekmek için

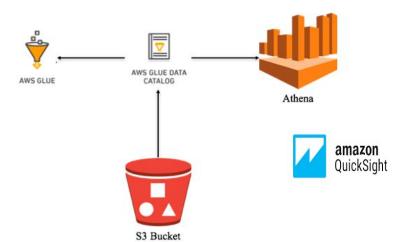


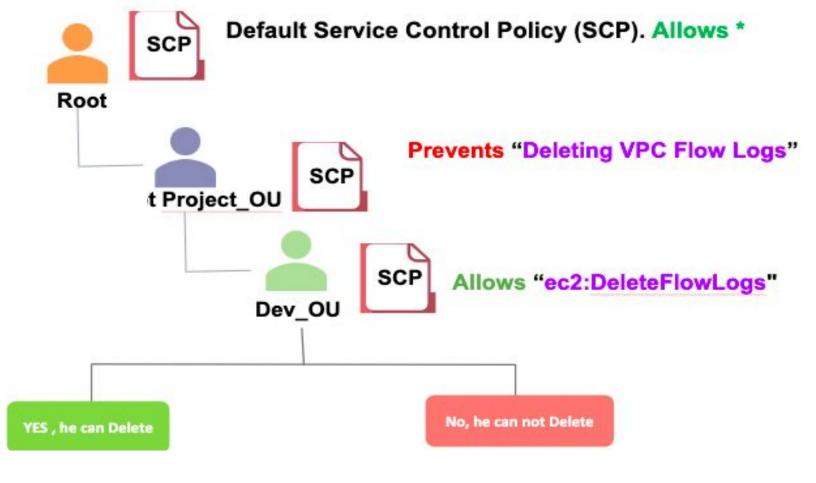




Verileri görselleştirmek için

Serverless -verileri sorgulamak için (S3) Verileri ayıklamak, dönüştürmek ve yüklemek amacıyla geliştirilmiş

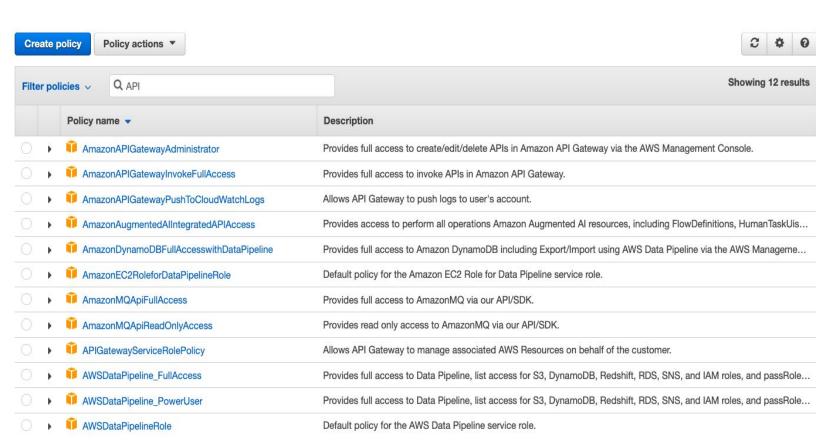




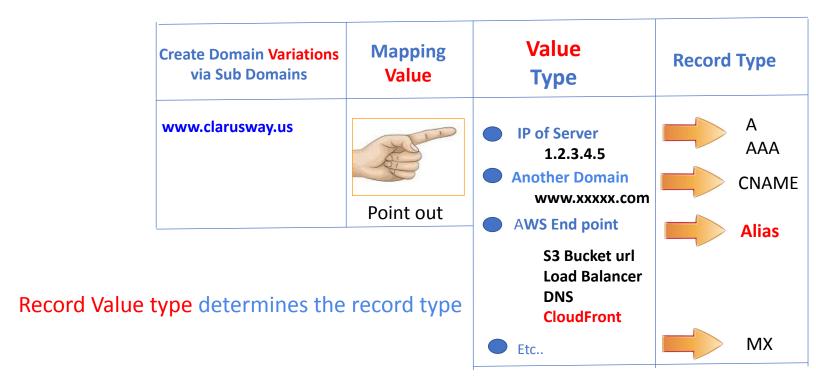
MEMBER AND MASTER ACCOUNT LEAVING PROCESS

- 1. Remove the **member account** from the old Organization.
- 2. Send an invite to the member account from the new Organization.
- Accept the invite to the new Organization from the member account.
- 4. Delete the old Organization.
- Send an invite to the master account
- 6. Accept the invite to the new Organization from the master account





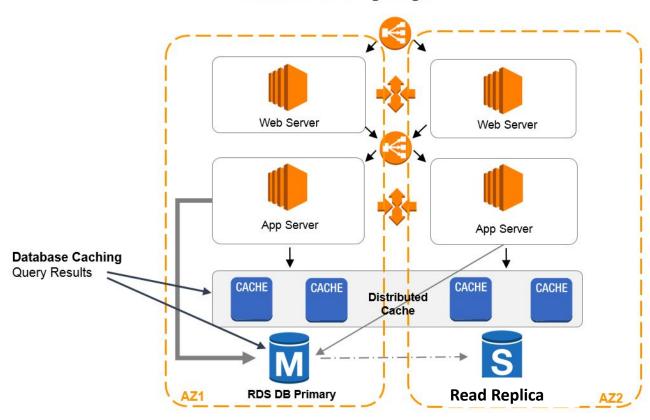
Which type of record?

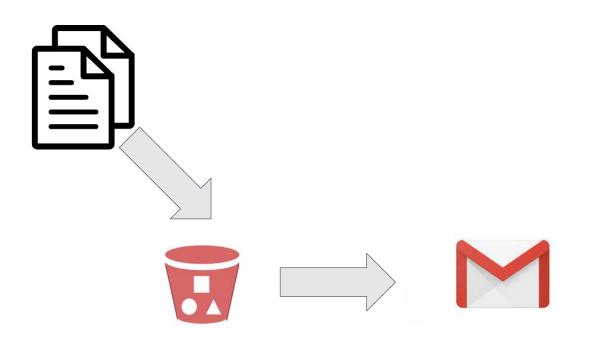


There is an urgent requirement to monitor some database metrics for a database hosted on AWS and send notifications. Which AWS services can accomplish this? (Select Two)

- A. Amazon Simple Email Service
- B. Amazon CloudWatch
- C. Amazon Simple Queue Service
- D. Amazon Route 53
- E. Amazon Simple Notification Service

Database Caching Diagram







Account A separately: 8TB usage = 8 \$

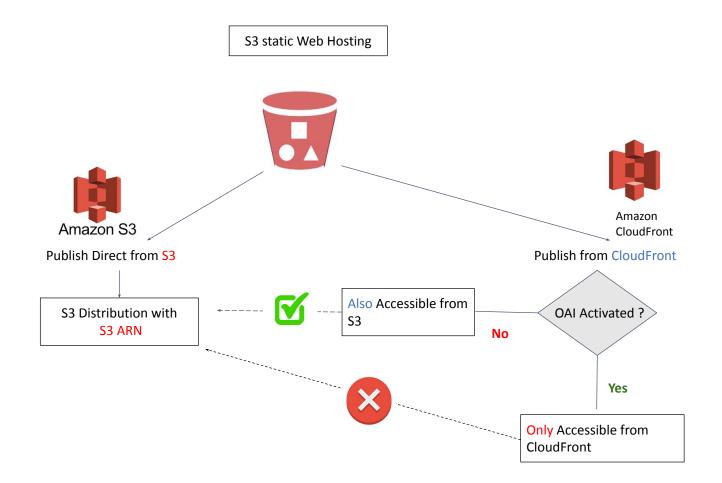
Account B separately: 4 TB usage = 4 \$

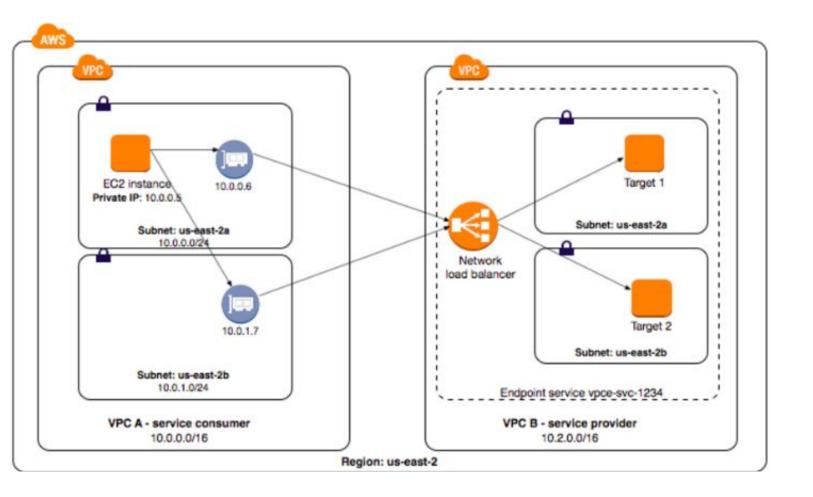
+-----12 *\$* pay \$1 for each TB pay \$0.5 for TB after in the first 10 TB

Consolidated billing: 10 TB x 1 \$= 10 \$ for the first 10 TB

2TB X 0.5 = 1 \$ for the next 2 TB

11 \$





Services

- AWS App Mesh
- Amazon Aurora
- AWS Certificate Manager Private Certificate Authority
- AWS CodeBuild
- Amazon EC2
- EC2 Image Builder
- AWS Glue
- AWS License Manager
- AWS Network Firewall
- AWS Outposts
- AWS Resource Groups
- Amazon Route 53
- Amazon VPC

CORS Domains:

http://www.domainnamea.com,

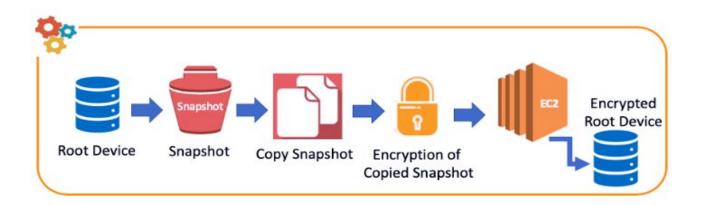
https://www.secure.domainnamea.com,

http://www.domainnameb.com.

Attempts

https://www.domainnameb.com

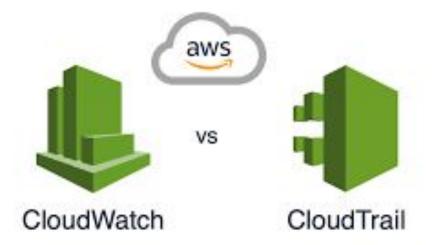
http://www.domainnameb.com:80

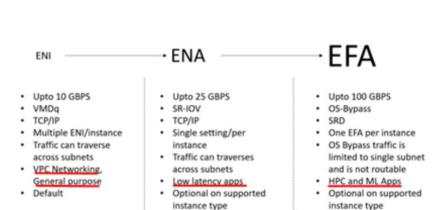




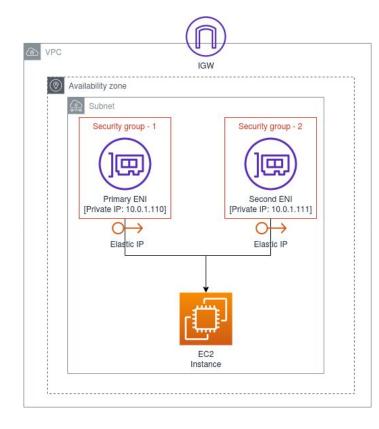
You currently manage a set of web servers hosted on EC2 Servers with public IP addresses. These IP addresses are mapped to domain names. There was an urgent maintenance activity that had to be carried out on the servers. The servers had to be stopped and restarted. Now the web application hosted on these EC2 Instances is not accessible via the domain names configured earlier. Which of the following could be a reason for this?

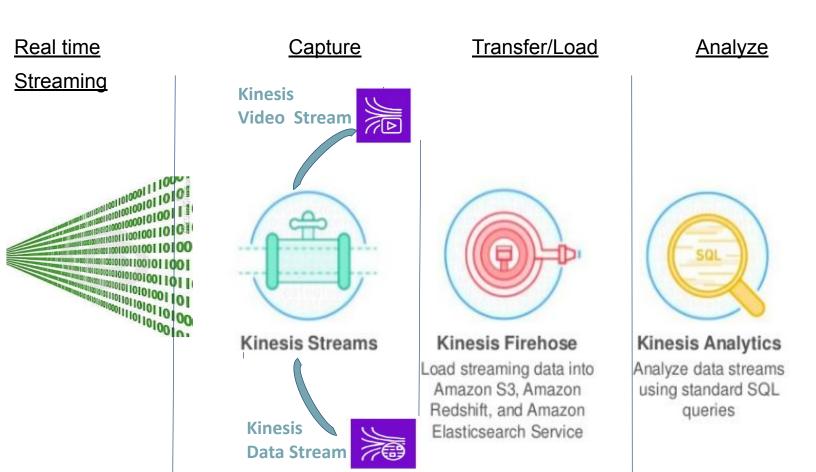
- A. The Route 53 hosted zone needs to be restarted.
- B. The network interfaces need to initialized again.
- C. The public IP addresses need to be associated with the ENI again.
- D. The public IP addresses have changed after the instance was stopped and started again.

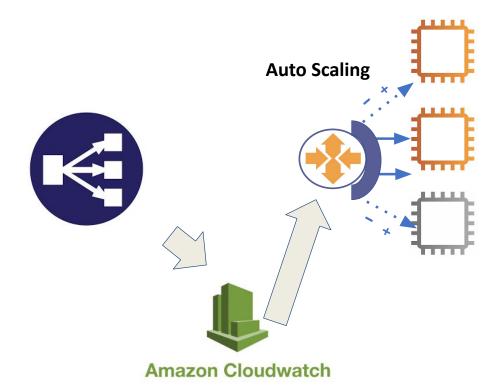




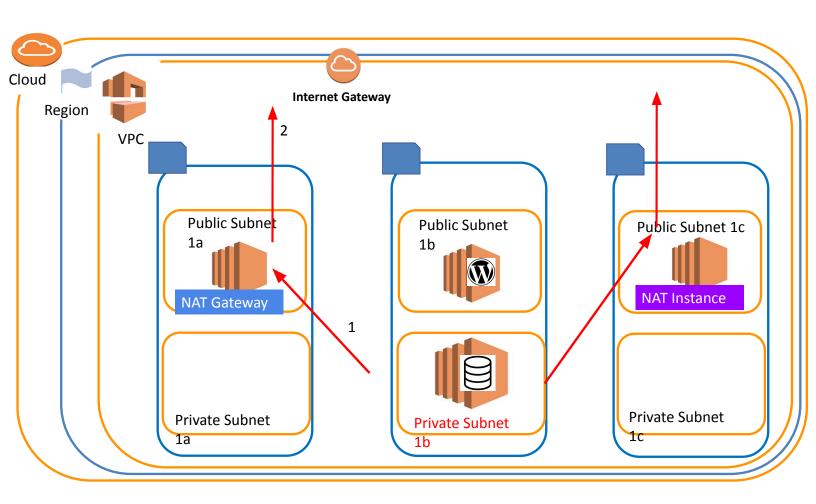
Exam tip: HPC & Machine Learning >>>>> EFA

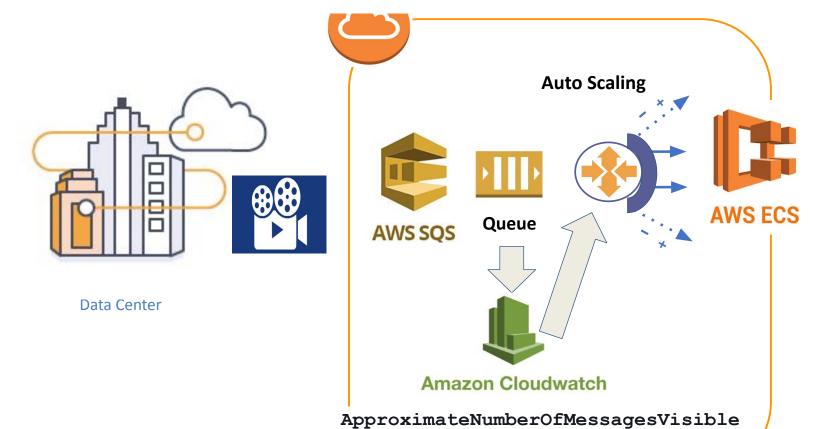


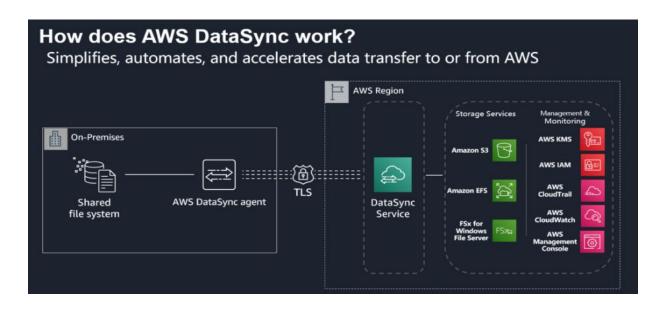




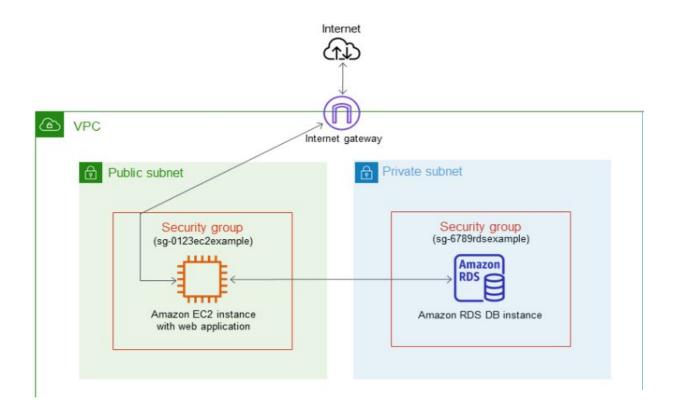
CPU utilization

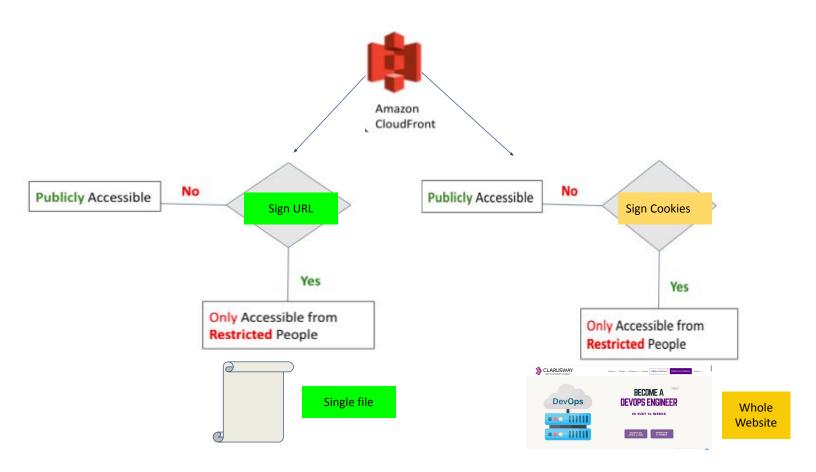


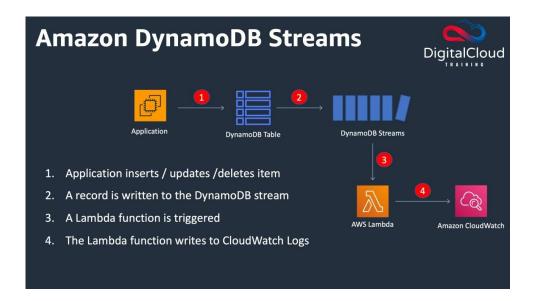




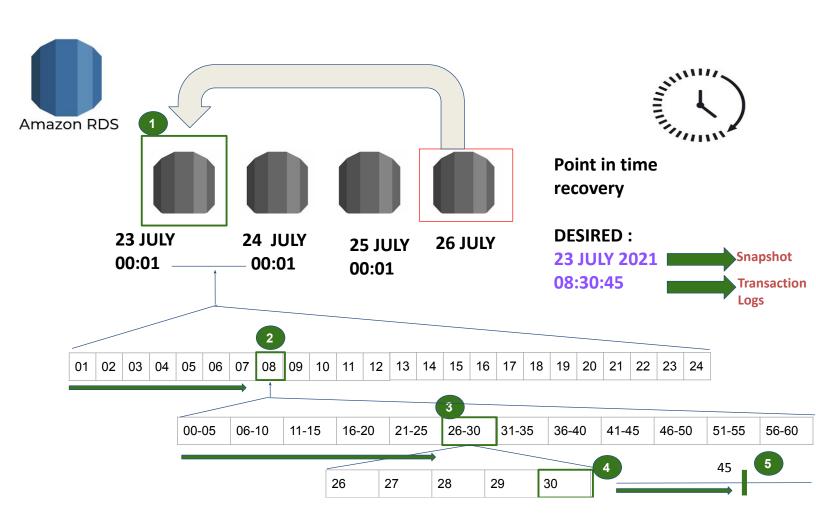
- Public endpoints:
- Federal Information Processing Standard (FIPS) endpoints: USA and Canada
- Virtual private cloud (VPC) endpoints: If you use a VPC endpoint, all communication from DataSync to AWS
 occurs through the endpoint in your AWS VPC. This establishes a private connection between your
 self-managed storage system, your VPC, and AWS services, providing extra security as your data is copied
 over the network.



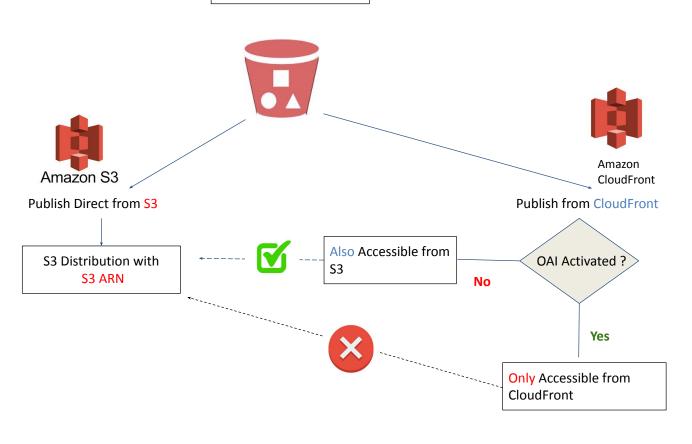


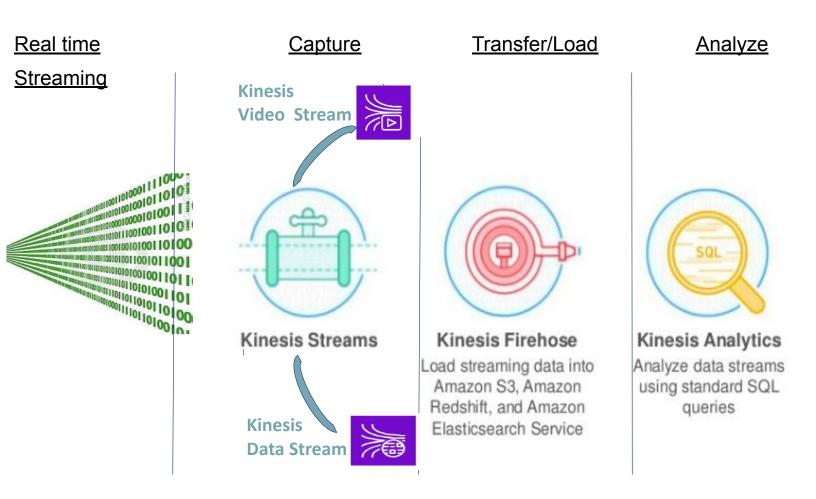


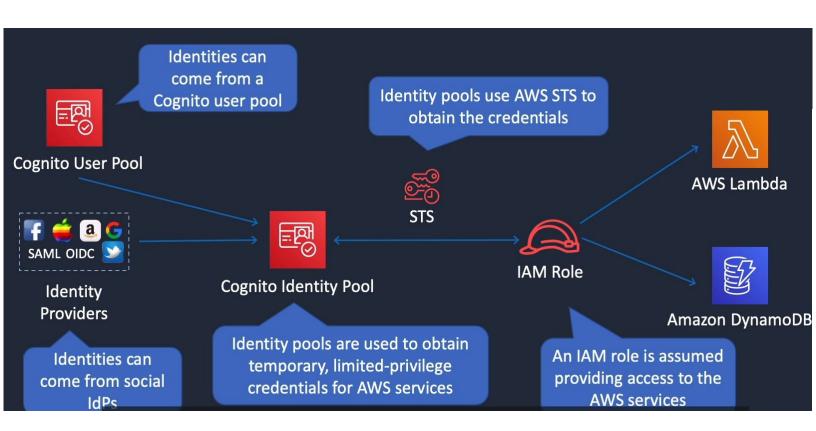
When enabled, DynamoDB Streams captures a time-ordered sequence of item-level modifications in a DynamoDB table and durably stores the information for up to 24 hours. Applications can access a series of stream records, which contain an item change, from a DynamoDB stream in near real time.



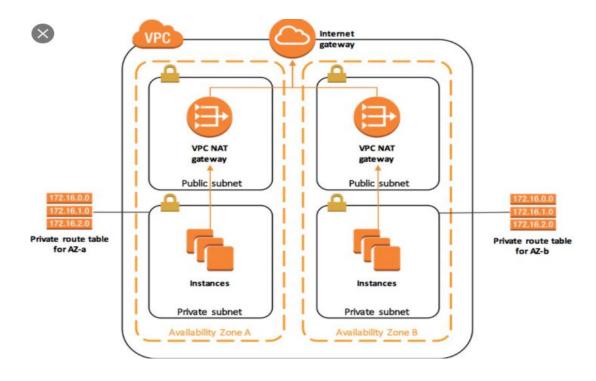
S3 static Web Hosting

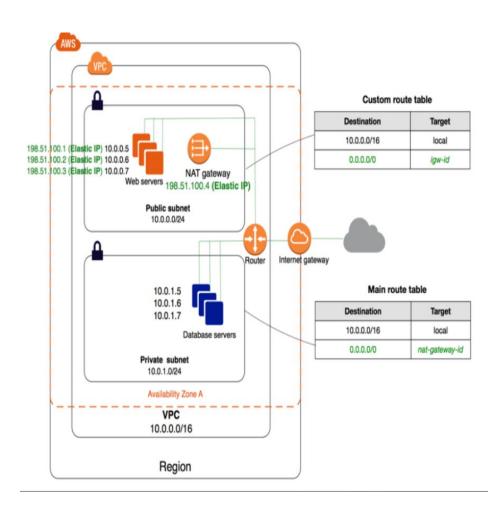


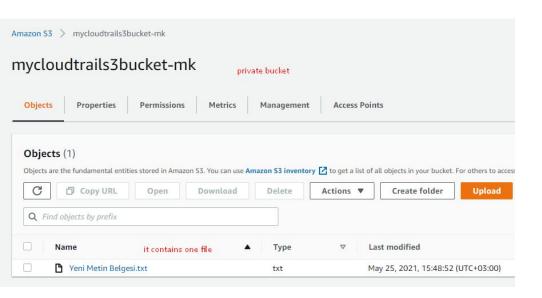




If you have resources in multiple Availability Zones and they share one NAT Gateway, in the event that the NAT Gateway's Availability Zone is down, resources in the other Availability Zones lose internet access. To create an Availability Zone-independent architecture, create a NAT Gateway in each Availability Zone and configure your routing to ensure that resources use the NAT Gateway in the same Availability Zone.



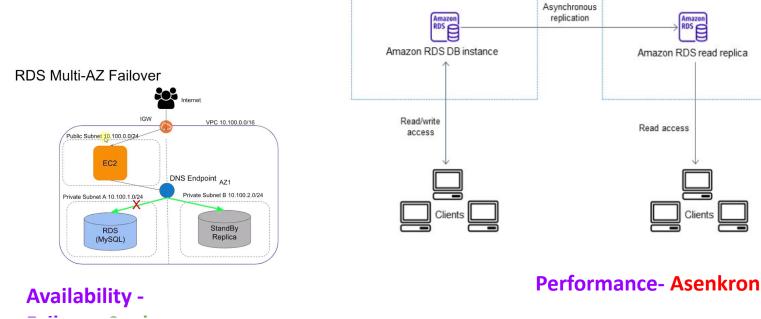




\$ aws s3 presign s3://mycloudtrails3bucket-mk/"Yeni Metin Belgesi.txt" --expires-in 30 https://mycloudtrails3bucket-mk.s3.us-east-1.amazonaws.com/Yeni%20Metin%20Belgesi.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIAY3YMFVJJYLFDLWV5%2F20210525%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20210525T125743Z&X-Amz-Expires=30&X-Amz-SignedHeaders=host&X-Amz-Signature=b02d2c978829ff3bed34001380b8b9e0b51262727d2b37391c4b5c12e0d6f31c

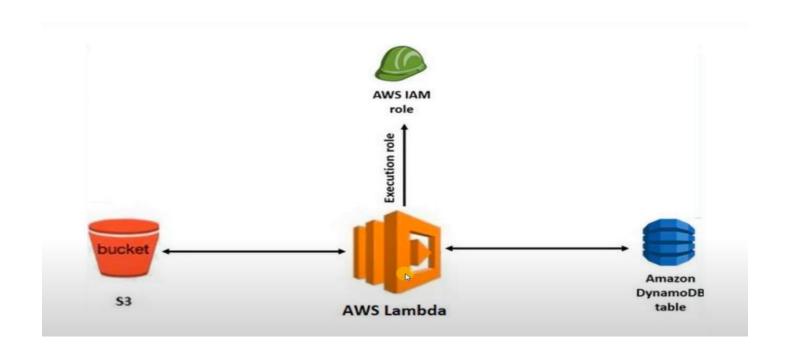
With Amazon RDS, you can create a MariaDB, MySQL, Oracle, or PostgreSQL read replica in a different AWS Region from the source DB instance. Creating a cross-Region read replica isn't supported for SQL Server on Amazon RDS.

Region



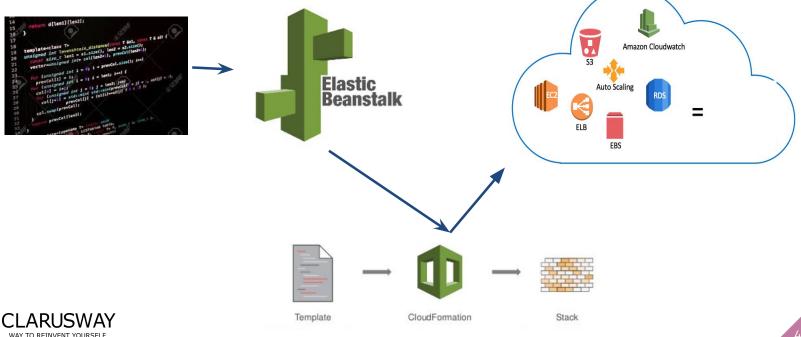
Region

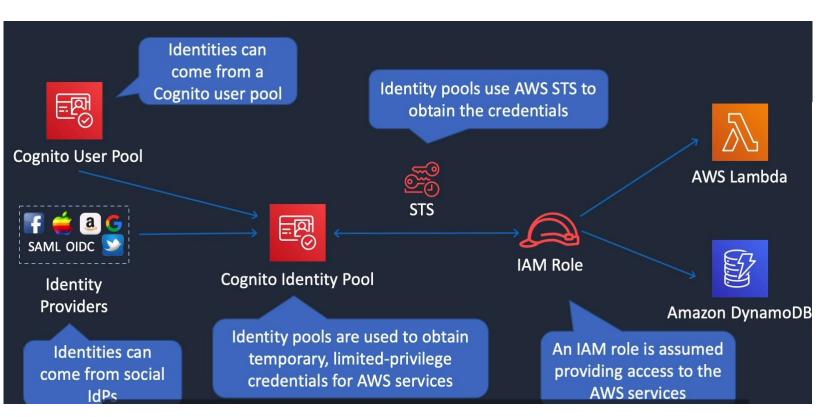
Exam tip: DynamoDb and Metadata



Introduction to Elastic Beanstalk

Why AWS Elastic Beanstalk?



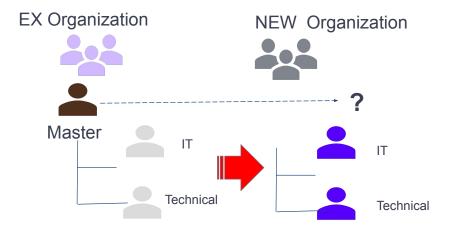






MEMBER AND MASTER ACCOUNT LEAVING PROCESS

- 1. Remove the **member account** from the old Organization.
- 2. Send an invite to the member account from the new Organization.
- 3. Accept the invite to the new Organization from the member account.
- 4. Delete the old Organization.
- 5. Send an invite to the master account
- 6. Accept the invite to the new Organization from the master account



Role Credentials



aws_access_key_id=ASIA5RBXKVCZWCMV4AFJ

aws_secret_access_key=23uUyY07I0PKG1URM6iQPV+A8wSsvLEbmHEA37wF

aws_session_token=IQoJb3JpZ2luX2VjEK///////wEaCXVzLWVhc3QtMSJHMEUCIGrn7HEV38ejafaba56pEv1UxDIPjFdYLjgLSv0UvpmiAiEA4b9Z2Noc0Ah3ru6bogoW+iBRtUrdg05zk7LkM4HQaNsqkgMIFxACGgw5Mjk5NzY0NjE0OTEiDAwgg62YKfWxIzb1TSrvArdvoRgYW4EvWtPAkM9FIPk6EpWeHVMbDgVtyk7TGXCRTF6uZpyWSX33QS3Pwvb6d0pwiqomeOFDgG28U82eXrXGoKZnbTmnC+7X0QWgqAUI0Ku2kU/KLLwbLhjpv1Ai/oFpAvG0FmZMtVZH+w6/uuyHgzFmPjwgrLTOj0AlnRfA1rjYJm6b2QD6ou5ZMK1JrV/jdW2z00s7sPVkSA41H6VPZ2D6vjAnRWDC+0uBV6QUfKLLLeJ1F51bTIF3tI2Yu9VnXEV6usAblStCt3NnTpZRnGQTIyUcICLzAiGhJUdZpGQofdLrLEL/Matyg1wVA45RpT2MhgH+HPuoIGGT0uISBSt6YQV4/1wf9w2KSIT4UdZgaQvt8L+TDXIz1/ywn4f11dU0K9vwIINIwp+8s9le7hn1vQPm7HAetLi5mRE30vzXJ6Eoai9RbfgFW7HpxffZLImd0gealQ51w+0Zu7Rx4jGWhWLMdWyrJQQw+ZXhgwY6pgESvD6LuI39m2hhJMC3781E8Q4OL+Jn17CysdjNpBH9AjNwGuI9Ad3y3q1u8z1849KzCZCx9GbG/n9YYy3fGnBrrvNY3nrwiA4cXKP4KfZU8OIQ3GlLJkK1d24lhhe9UBL3I1ySfMbvDbRoMOXESF6tCpMVLNMa4QaoVY7aThxDvAA6p51pftyPhCK3MJe4qBL4zTC3pXFJe+LPc6uwZ1FsL/OTBH

Once an entity assumes a role, it receives **temporary credentials** in the form of an **access key**, **secret key** and **session token**.

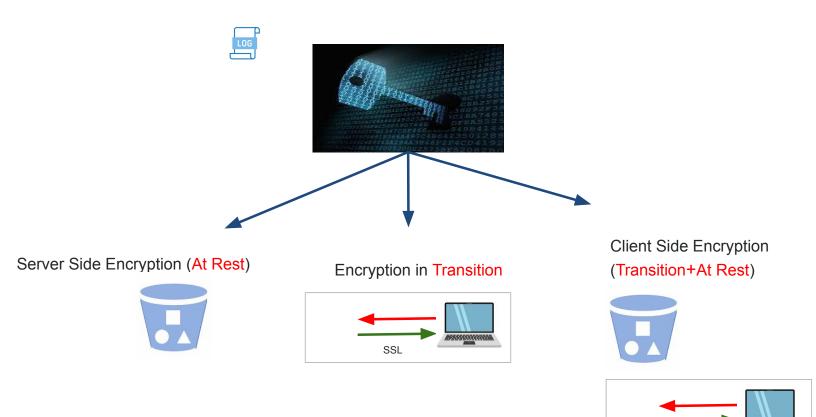


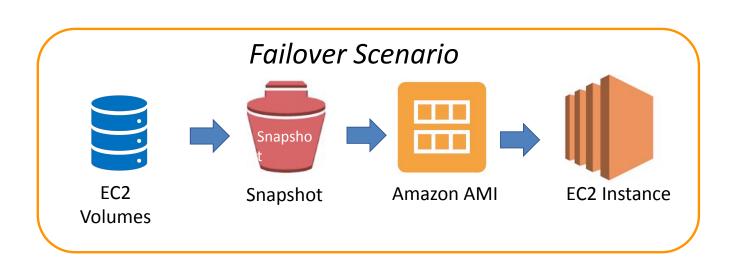
Note that with an IAM user, there is no session token, since the credentials are permanent



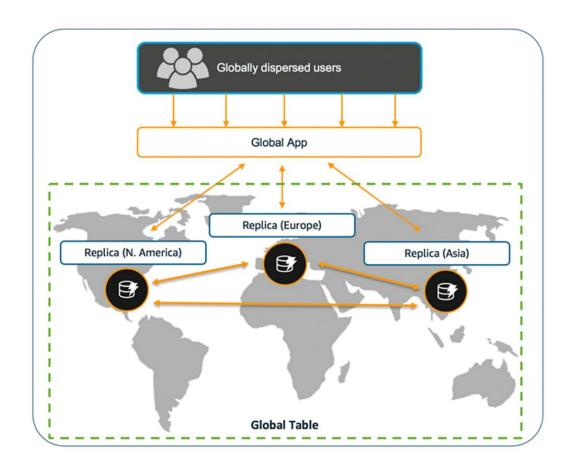
Component	Description
Templates	The JSON or YAML text file that contains the instructions for building out
	the AWS environment
Stacks	The entire environment described by the template and created, updated,
	and deleted as a single unit
StackSets	AWS CloudFormation StackSets extends the functionality of stacks by
	enabling you to create, update, or delete stacks across multiple accounts
	and regions with a single operation
Change Sets	A summary of proposed changes to your stack that will allow you to see
	how those changes might impact your existing resources before
	implementing them

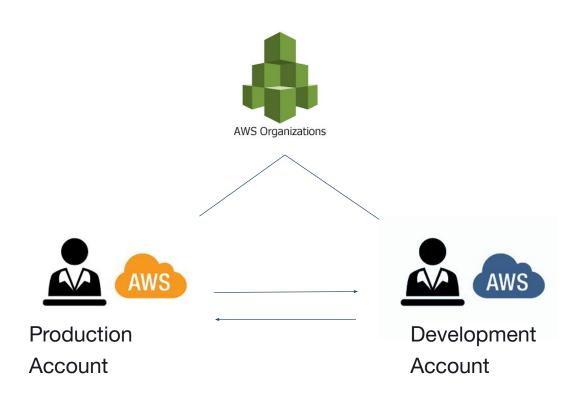




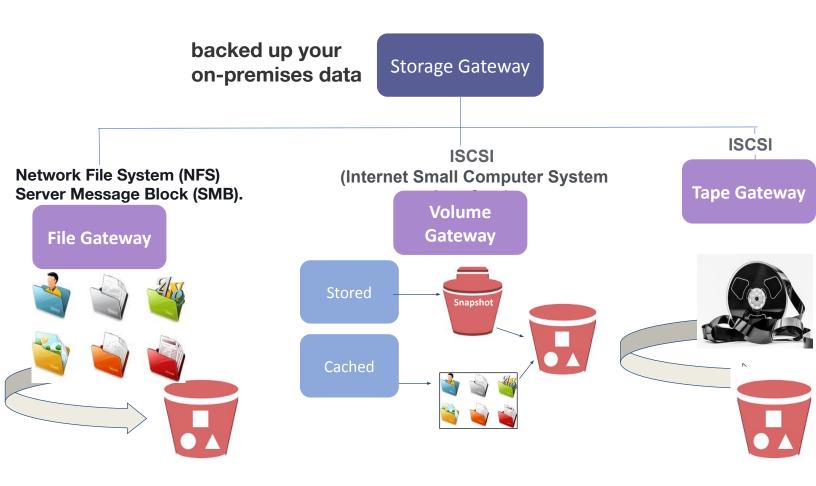


SSL









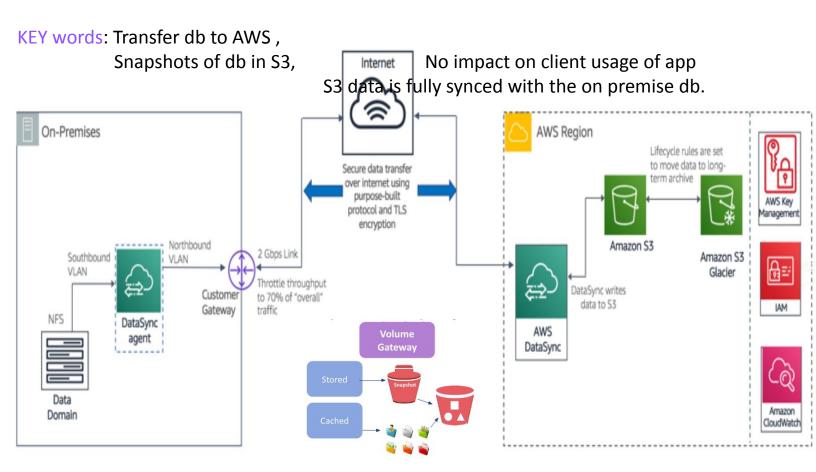
Info: The term **legacy** database commonly refers to a database that has been in use for many years and is therefore unsuitable for modern apps and environments.

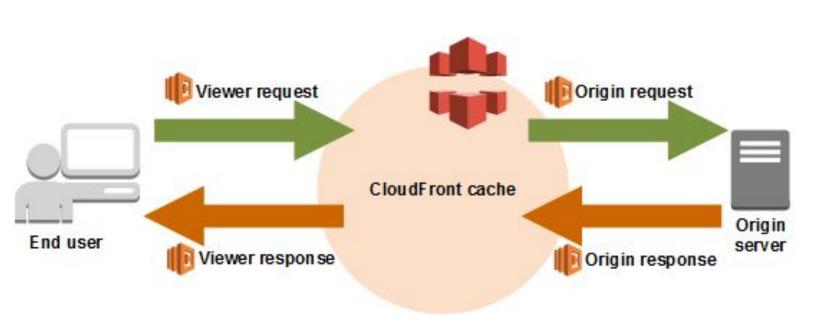
- DMS create a replication instance for migrating. Your databases are fully operational when migrating.
- Homogeneous database migrations (Oracle to Oracle) (need Engine conversion)
 Heterogenous database migrations (Microsoft SQL to Aurora) (Use SCT)
- Use **SCT (Schema conversion tool)** from one schema to another schema for **Heterogenous migrations**

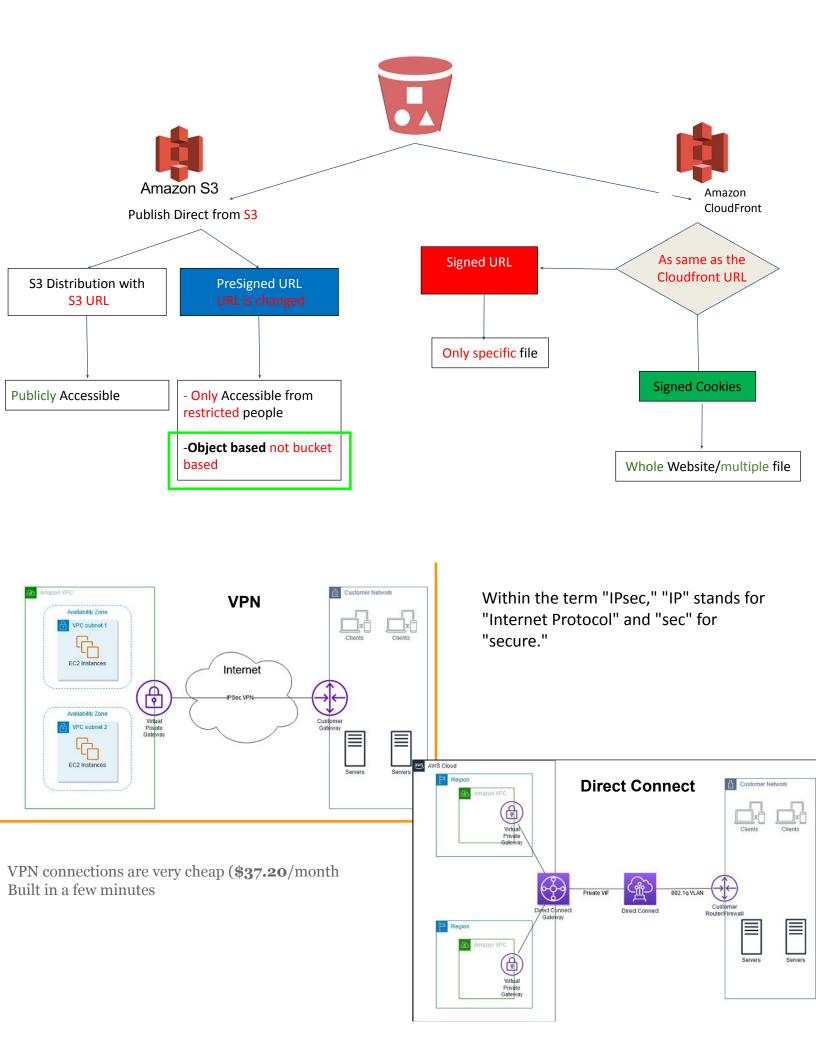
From Legacy to DynamoDb >>>>> Heterogenous database migrations

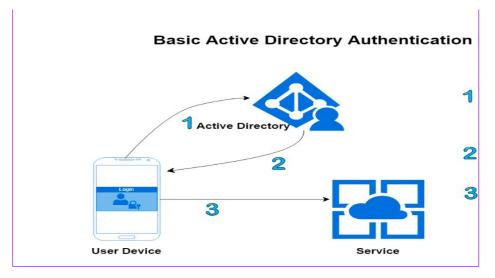


SCT (Schema conversion tool)









AWS Directory Service for Microsoft Active Directory

Simple AD

AD Connector

Amazon Cognito











SAA 03 Practice Test 3 Osvaldo