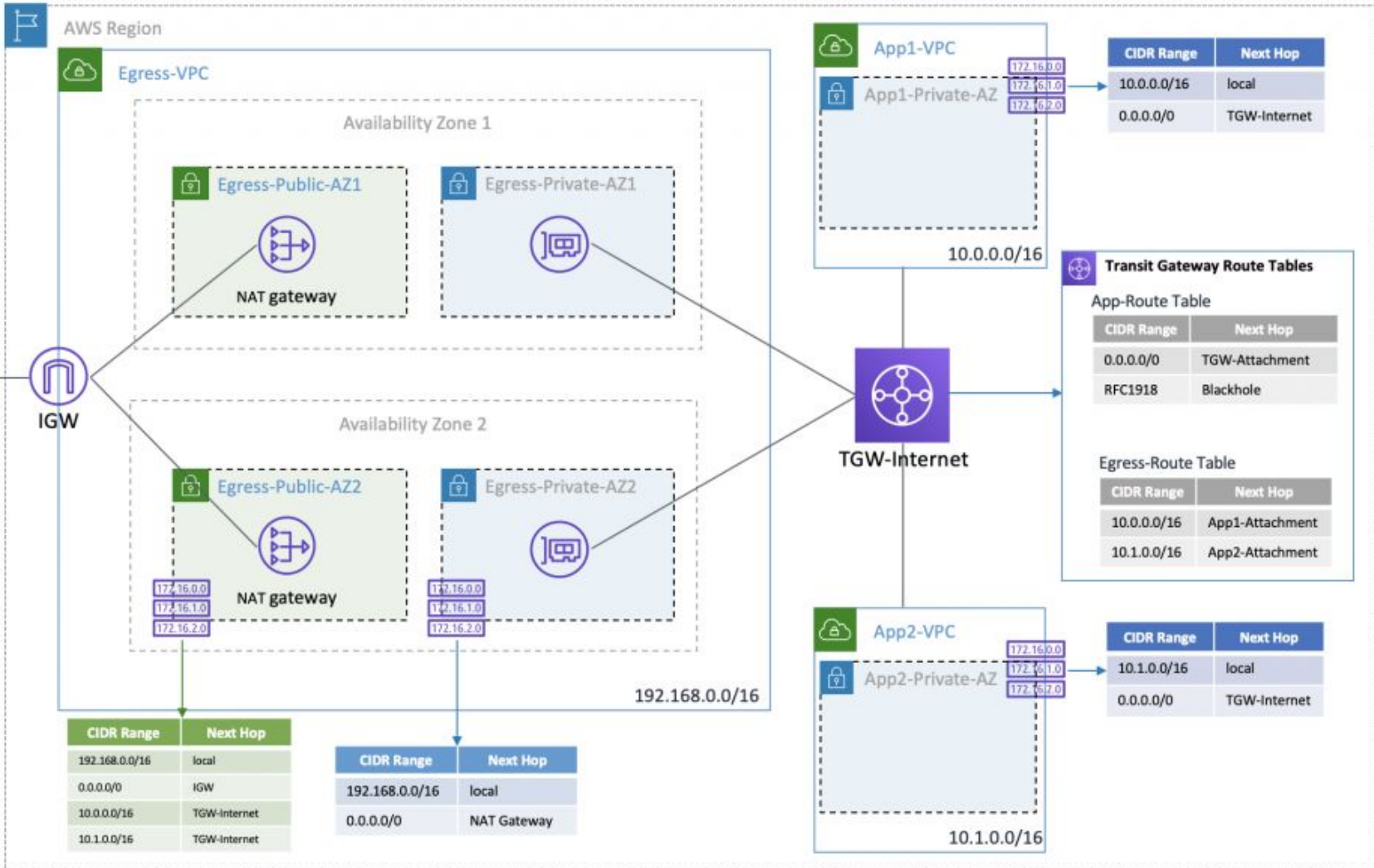


# CSAA Practice Test-4

## Interface Endpoint

## Gateway Endpoint

What	<u>Elastic Network Interface</u> with a Private IP	A gateway that is a target for a specific <u>route</u>
How	Uses DNS entries to redirect traffic	Uses prefix lists in the route table to redirect traffic
Which services	API Gateway, CloudFormation, CloudWatch etc.	<u>Amazon S3, DynamoDB</u>
Security	Security Groups	VPC Endpoint Policies



## Debugging and error handling

### DLQ Resource [Info](#)

Choose the AWS service to send event payload to after exceeding maximum retries.

SNS



None

SNS

SQS

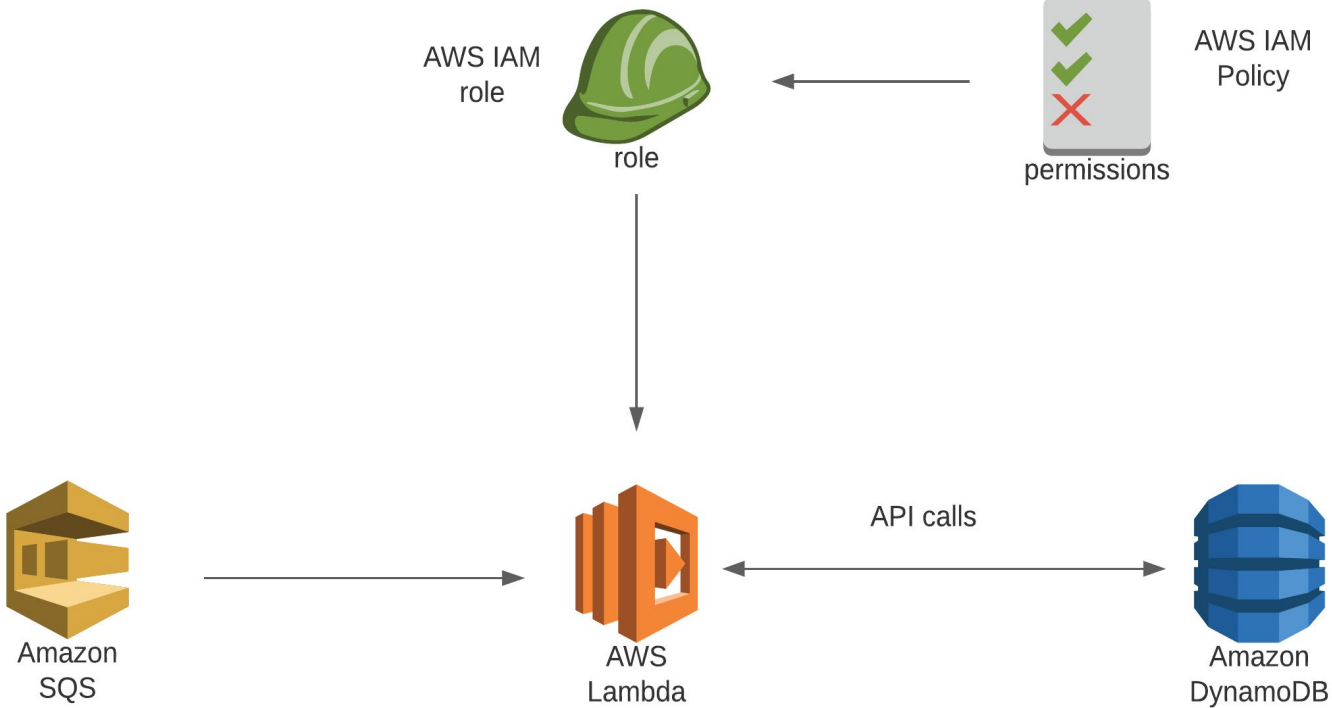
### Enable active tracing [Info](#)

☐

## Help



AWS Lambda will automatically retry failed executions for asynchronous invocations. You can additionally optionally configure Lambda to forward payloads that were not processed to a dead-letter queue (DLQ), such as an SQS queue or an SNS topic. Learn more about Lambda's [retry policy](#) and [DLQs](#). **Please ensure your role has appropriate permissions to access the DLQ resource.**



## Create role

### ▼ Attach permissions policies

Choose one or more policies to attach to your new role.

Create policy

Filter policies ▼

Q SQS

Policy name ▼

- ☐ ► AmazonSQSFullAccess
- ☐ ► AmazonSQSReadOnlyAccess
- ☐ ► AWSLambdaSQSQueueExecutionRole

# Choose trail attributes

## General details

A trail created in the console is a multi-region trail. [Learn more](#)

### Trail name

Enter a display name for your trail.

3-128 characters. Only letters, numbers, periods, underscores, and dashes are allowed.

☐ Enable for all accounts in my organization

To review accounts in your organization, open AWS Organizations. [See all accounts](#)

### Storage location [Info](#)



Create new S3 bucket

Create a bucket to store logs for the trail.



Use existing S3 bucket

Choose an existing bucket to store logs for this trail.

### Trail log bucket and folder

Enter a new S3 bucket name and folder (prefix) to store your logs. Bucket names must be globally unique.

Logs will be stored in aws-cloudtrail-logs-827784331229-59a5cdbe/AWSLogs/827784331229

### Log file SSE-KMS encryption [Info](#)

☒ Enabled

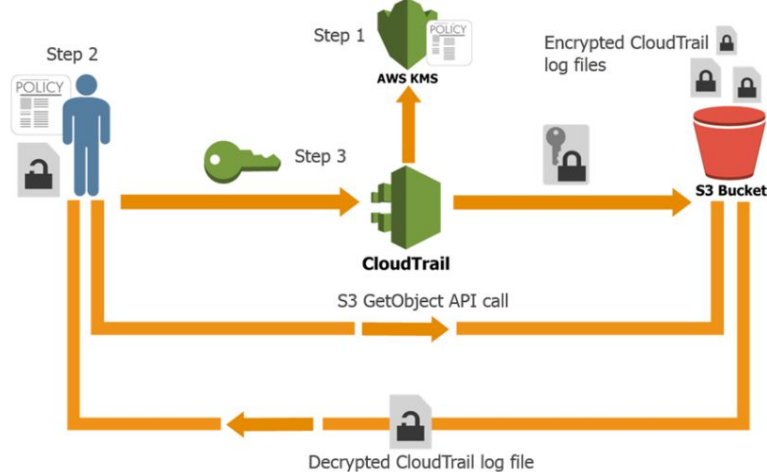
### AWS KMS customer managed CMK

☒ New

☐ Existing

### AWS KMS alias

KMS key and S3 bucket must be in the same region.



## S3 Data Consistency

### Strong read-after-write consistency

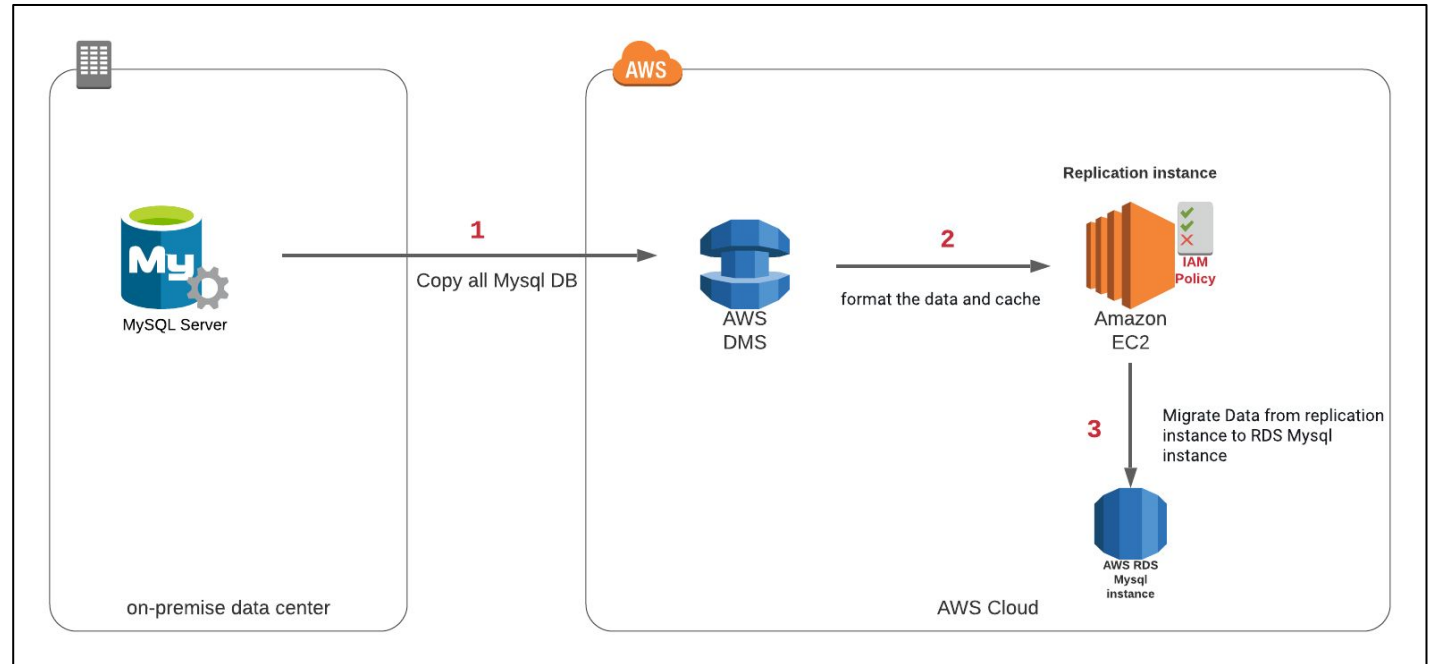
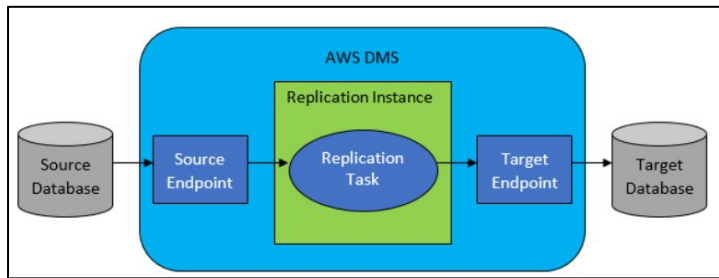
- for PUTS of new objects.
- when you need to read immediately an object after a write.
- immediate visibility of a new object to all clients
- example: in financial transactions.

### Eventual consistency

- for overwrite PUTS and DELETES
- can be a slightly delay
- the final action would take place **only after when all the copies** are replicated across all availability zone
- example: in a shopping cart

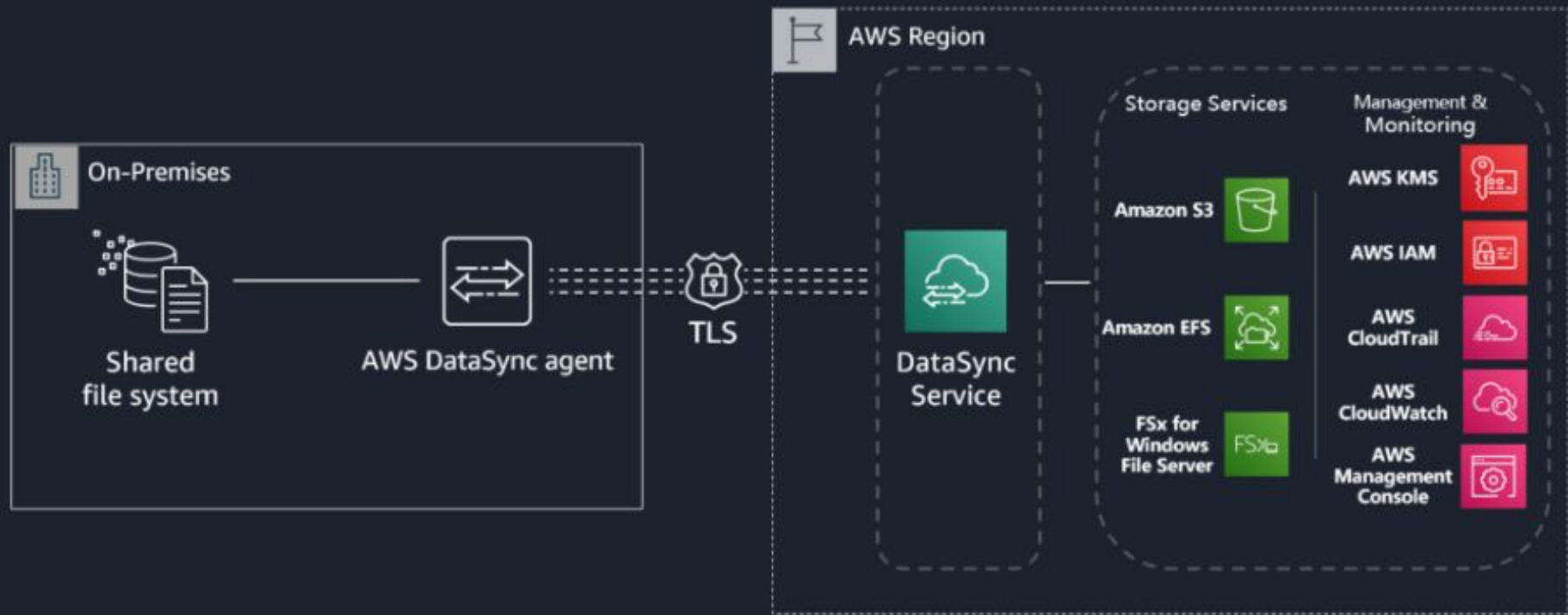
- Cross-origin resource sharing (CORS) defines a way for client web applications that are loaded **in one domain to interact with resources in a different domain.**
- In certain cases, the developer of the original page might have legitimate reasons to write code **that interacts with content or services at other locations.** CORS provides the mechanism to allow the developer to tell the browser to allow this interaction.





# How does AWS DataSync work?

Simplifies, automates, and accelerates data transfer to or from AWS



## Create Distribution

### Origin Settings

Origin Domain Name

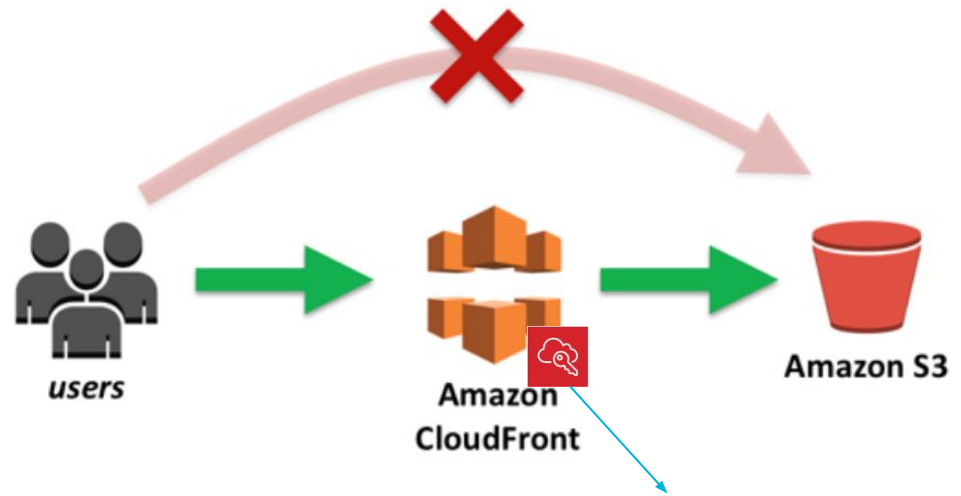
Origin Path

Enable Origin Shield ☐ Yes  
☒ No

Origin ID

Restrict Bucket Access ☒ Yes  
☐ No

Origin Access Identity ☒ Create a New Identity  
☐ Use an Existing Identity



1

i

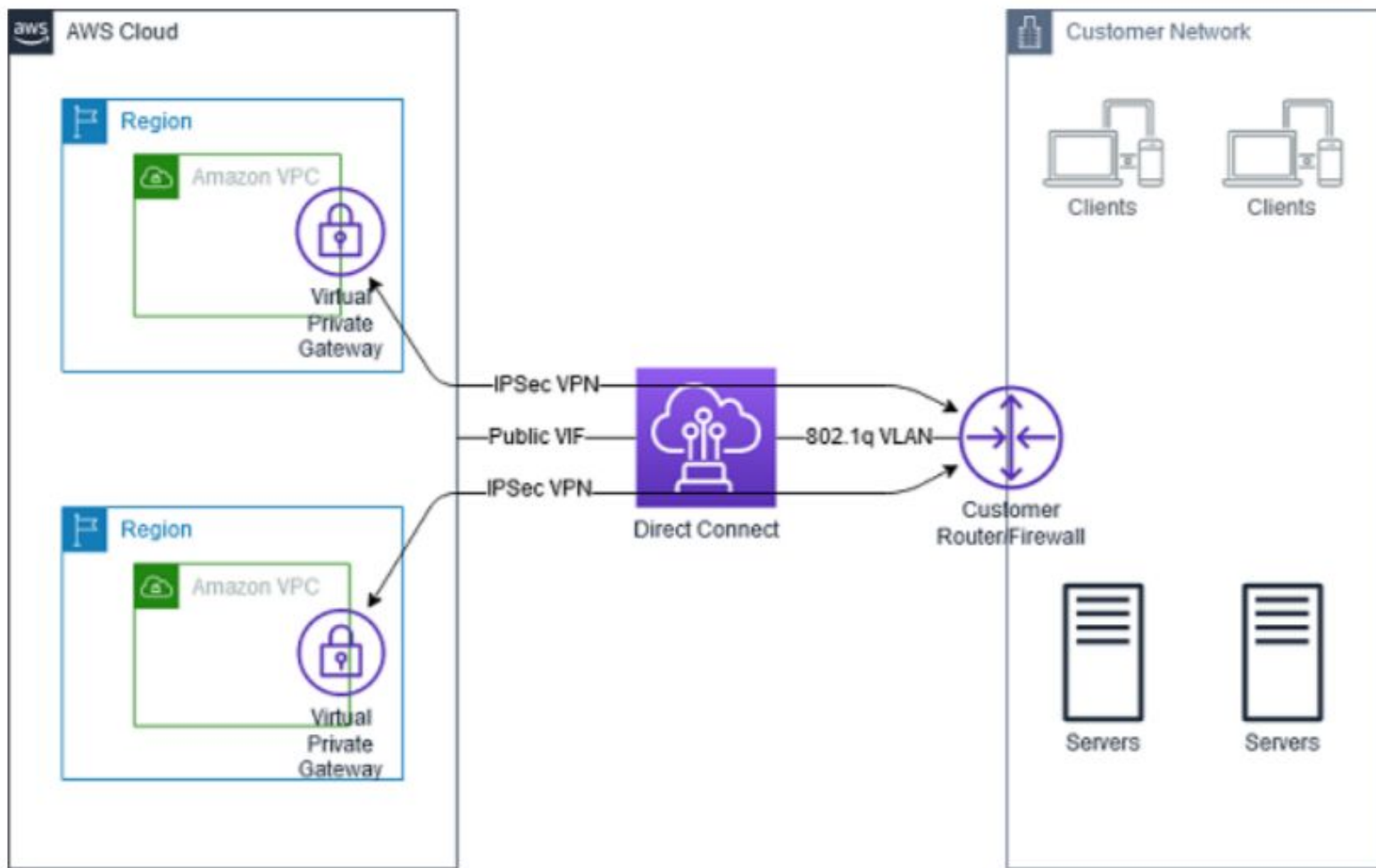
i

Enter a description for the origin. This value lets you distinguish multiple origins in the same distribution from one another. The description for each origin must be unique within the distribution.

i

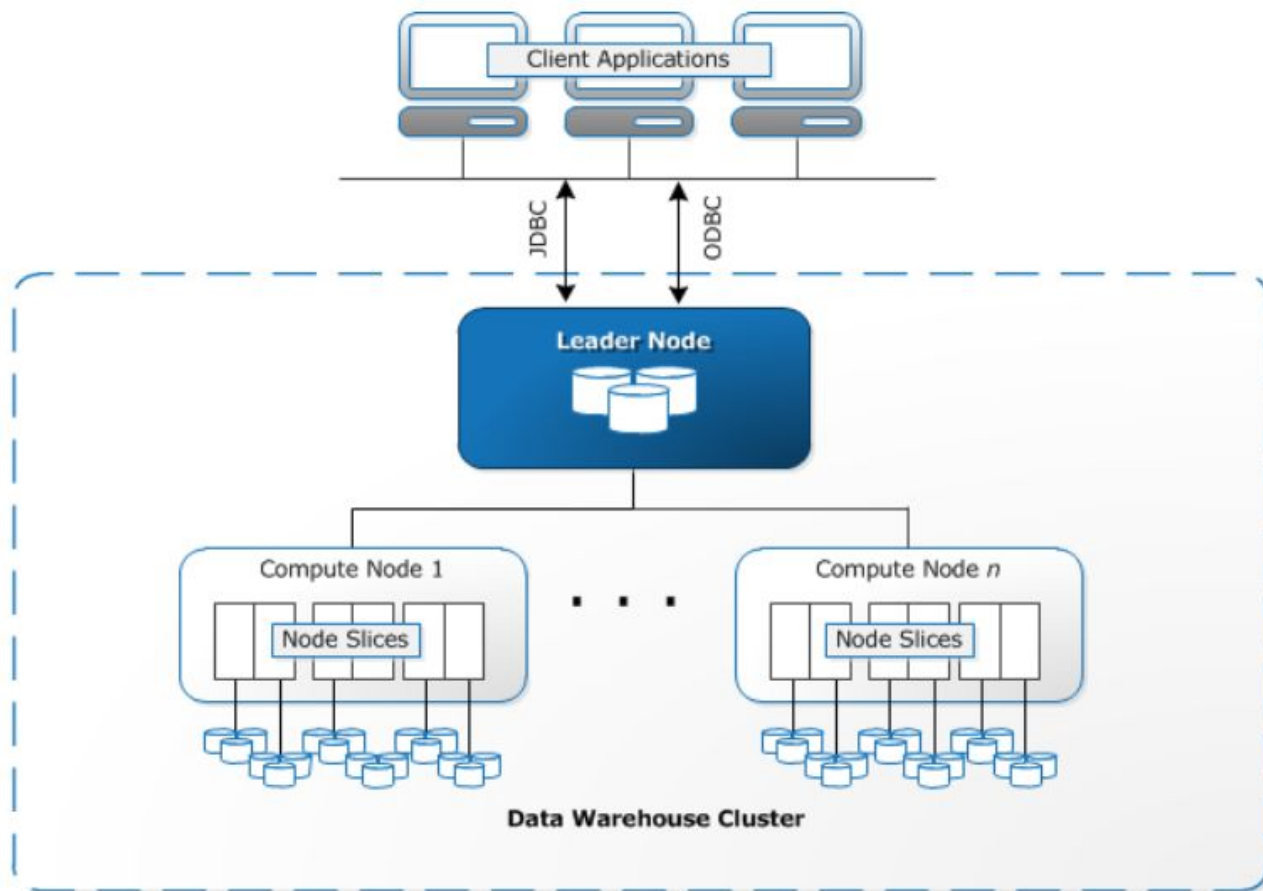
If you want to require that users always access your Amazon S3 content using CloudFront URLs, not Amazon S3 URLs, click Yes. This is useful when you are using signed URLs or signed cookies to restrict access to your content. In the Help, see "Serving Private Content through CloudFront".

i







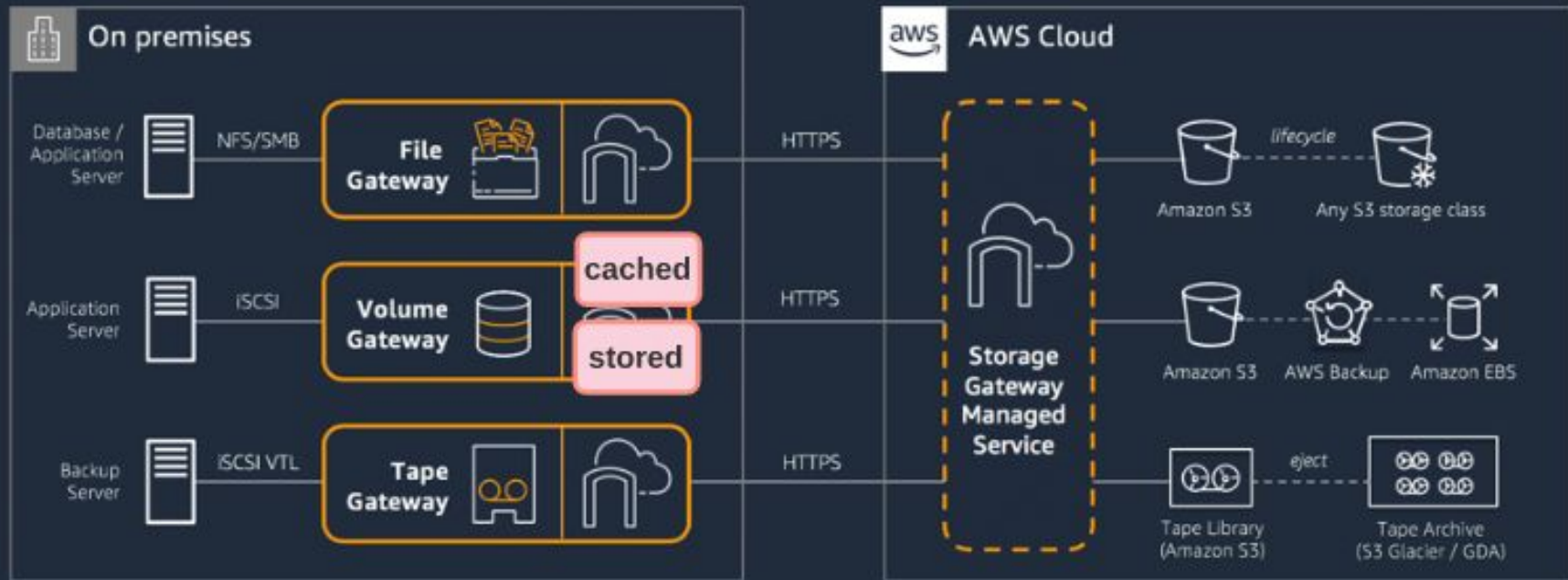






# Move on-premises backups to the cloud

Maintain your backup workflows while reducing your backup infrastructure on-premises



Data on the volumes is stored in Amazon S3 and you can take point in time copies of volumes which are stored in AWS as Amazon EBS snapshots.



XXX

1

Throttle

Q

Configuration Permissions Monitoring

▼ Designer

xxx

Layers (0)

+ Add trigger

Add trigger

2

Trigger configuration

Select a trigger

Q |

API Gateway  
api application-services aws serverless

AWS IoT  
aws devices iot

Alexa Skills Kit  
alexa iot

Alexa Smart Home  
alexa iot

Application Load Balancer  
aws load-balancing

CloudFront  
aws cdn edge

CloudWatch Logs  
aws logging management-tools

CodeCommit  
aws developer-tools git

Cognito Sync Trigger  
authentication aws identity mobile-services sync

DynamoDB  
aws database nosql

EventBridge (CloudWatch Events)  
aws events management-tools

Kinesis  
analytics aws streaming

MQ  
aws messaging multi-protocol

MSK

Add trigger

3

Trigger configuration

API Gateway  
api application-services aws serverless

Add an API to your Lambda function to create an HTTP endpoint that invokes your function. API Gateway supports two types of RESTful APIs: HTTP APIs and REST APIs. [Learn more](#)

API

Create a new API or attach an existing one.

Create an API

API type

☒ HTTP API  
Create an HTTP API.

☐ REST API  
Create a REST API.

Security

Configure the security mechanism for your API endpoint.

▼ Additional settings

API name

Choose a name for your API. API names don't need to be unique.

xxx-API

Deployment stage

The name of your API's deployment stage.

default

☒ Cross-origin resource sharing (CORS)

CORS is required to call your API from a webpage that isn't hosted on the same domain. This option enables cross-origin resource sharing (CORS) from any domain by adding the Access-Control-Allow-Origin header to all responses.

# The AWS modern application platform

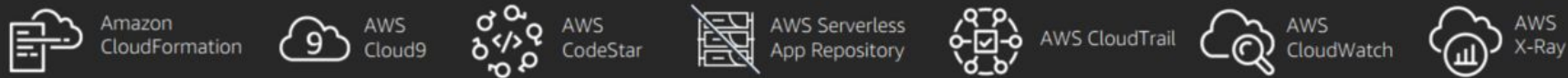
## SERVERLESS MICROSERVICES



## SERVERLESS DATASTORES



## DEVELOPER TOOLS



## SECURITY AND COMPLIANCE



# Glacier Retrievals: Expedited and Bulk Retrievals

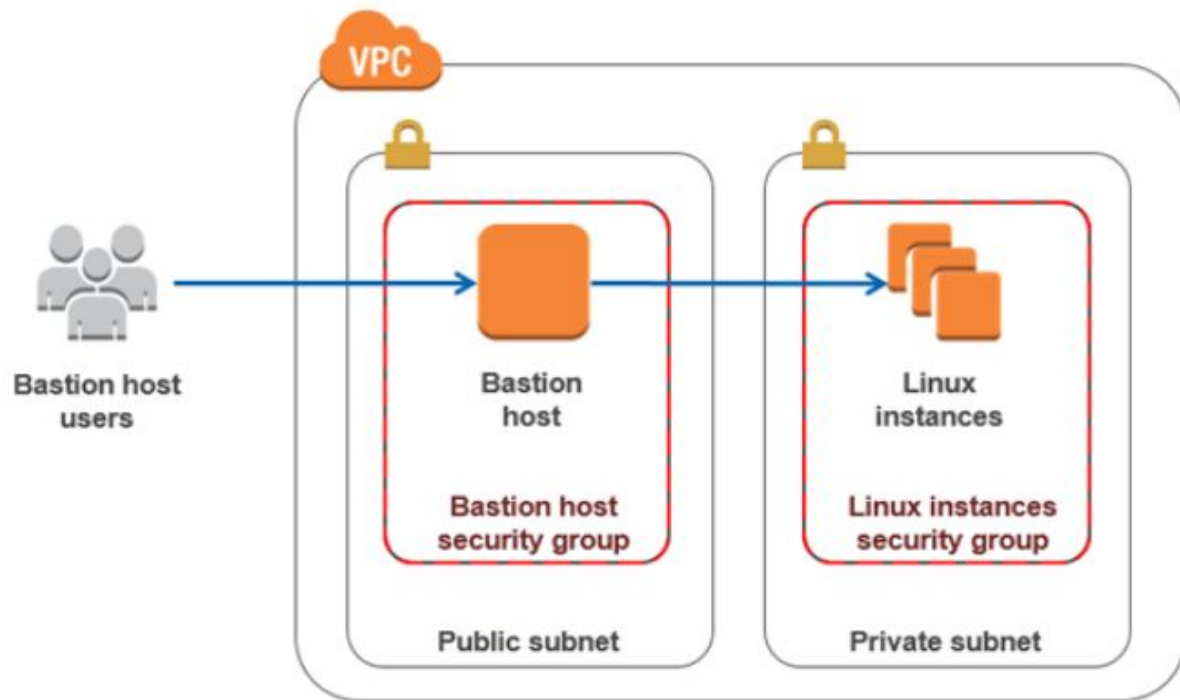
New

Clip slide

- Expedited: designed for occasional urgent access to a small number of archives
- Standard: Low-cost option for retrieving data in just a few hours
- Bulk: Lowest cost option optimized for large retrievals, up to petabytes of data in 12 hours
- Three flexible and powerful retrieval options to access any of your Glacier data

	<b>Expedited</b>	<b>Standard</b>	<b>Bulk</b>
Data Access Time	1 - 5 minutes	3 - 5 hours	5 - 12 hours
Data Retrievals	\$0.03 per GB	\$0.01 per GB	\$0.0025 per GB
Retrieval Requests	\$0.01 per request	\$0.05 per 1,000 requests	\$0.025 per 1,000 requests

aws





# Types of Savings Plans



## EC2 Instance Savings Plans

Provide the deepest discounts, up to 72% (same as Standard RIs) on the selected instance family (e.g. C5 or M5), in a specific AWS region

### FLEXIBLE ACROSS

- ✓ Size: E.g. move from m5.xl to m5.4xl
- ✓ OS: E.g. change from m5.xl Windows to m5.xl Linux
- ✓ Tenancy: E.g. modify m5.xl Dedicated to m5.xl Default tenancy



## Compute Savings Plans


Offer the greatest flexibility, up to 66% discounts (same discounts as Convertible RIs)

### FLEXIBLE ACROSS

- ✓ Instance family: E.g. Move from C5 to M5
- ✓ Region: E.g. change from EU (Ireland) to EU (London)
- ✓ OS: E.g. Windows to Linux
- ✓ Tenancy: E.g. switch Dedicated tenancy to Default tenancy
- ✓ Compute options: E.g. move from EC2 to Fargate





Summary			
Routes			
Subnet Associations			
Route Propagation			
Tags			
<div> <div>Edit</div> <div>  Save Successful         </div> </div>			
View: <span>All rules ▼</span>			
Destination	Target	Status	Propagated
10.0.0.0/16	local	Active	No
0.0.0.0/0	<a href="#">igw-a97272cc</a>	Active	No

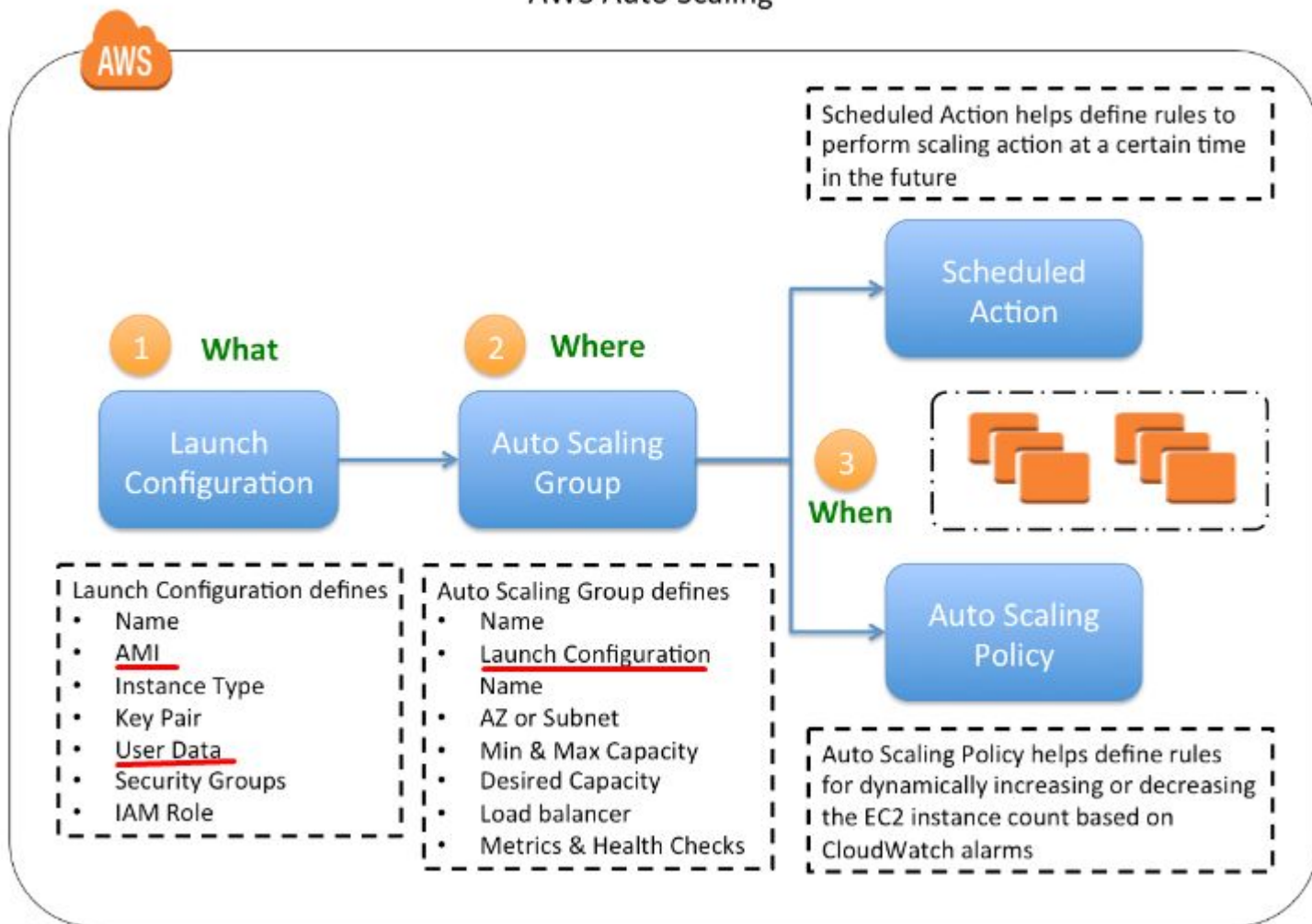
The destination for the route is 0.0.0.0/0, which represents **all IPv4 addresses**. The target is the internet gateway that's attached to your VPC.

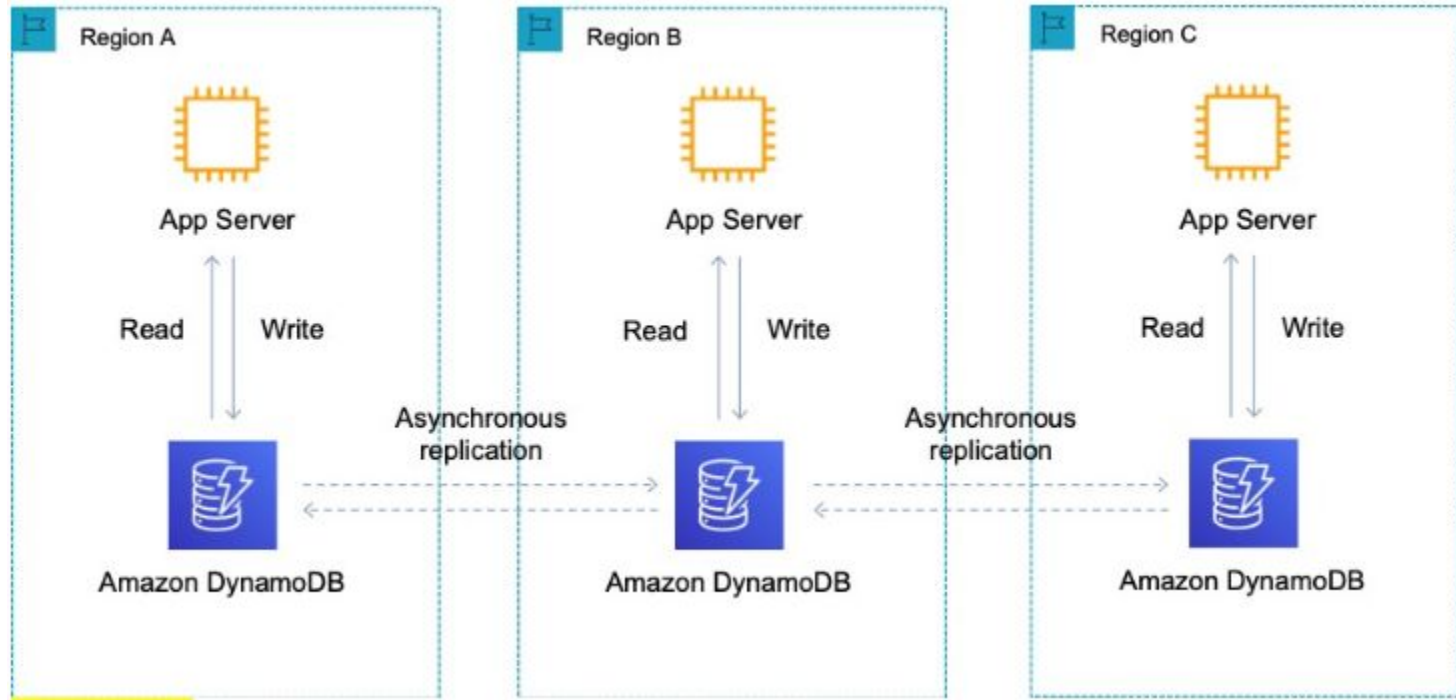


- Upto 10 GBPS
- VMDq
- TCP/IP
- Multiple ENI/instance
- Traffic can traverse across subnets
- VPC Networking, General purpose
- Default

- Upto 25 GBPS
- SR-IOV
- TCP/IP
- Single setting/per instance
- Traffic can traverses across subnets
- Low latency apps
- Optional on supported instance type

- Upto 100 GBPS
- OS-Bypass
- SRD
- One EFA per instance
- OS Bypass traffic is limited to single subnet and is not routable
- HPC and ML Apps
- Optional on supported instance type





\* If your application requires **strongly consistent** reads, it must perform all of its strongly consistent reads and writes in the same Region. **DynamoDB does not support strongly consistent reads across Regions.**

# Amazon EMR

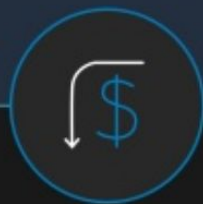
Easily Run Spark, Hadoop, Hive, Presto, HBase, and more big data apps on AWS

## Latest versions



Updated with latest open source frameworks within 30 days

## Low cost



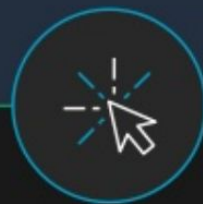
50–80% reduction in costs with EC2 Spot and Reserved Instances  
Per-second billing for flexibility

## Use S3 storage



Process data in S3 securely with high performance using the EMRFS connector

## Easy



Fully managed no cluster setup, node provisioning, cluster tuning

## S3 cross-region replication <sup>New</sup>

Automated, fast, and reliable asynchronous replication of data across AWS regions

### Use cases

**Compliance** - store data hundreds of miles apart

**Lower latency** - distribute data to regional customers)

**Security** - create remote replicas managed by separate AWS accounts



- Only replicates new PUTs. Once S3 is configured, all new uploads into a source bucket will be replicated
- Entire bucket or prefix based
- 1:1 replication between any 2 regions
- Versioning required

## Details on Cross-Region Replication

**Versioning** - Need to enable S3 versioning for the source and destination buckets.

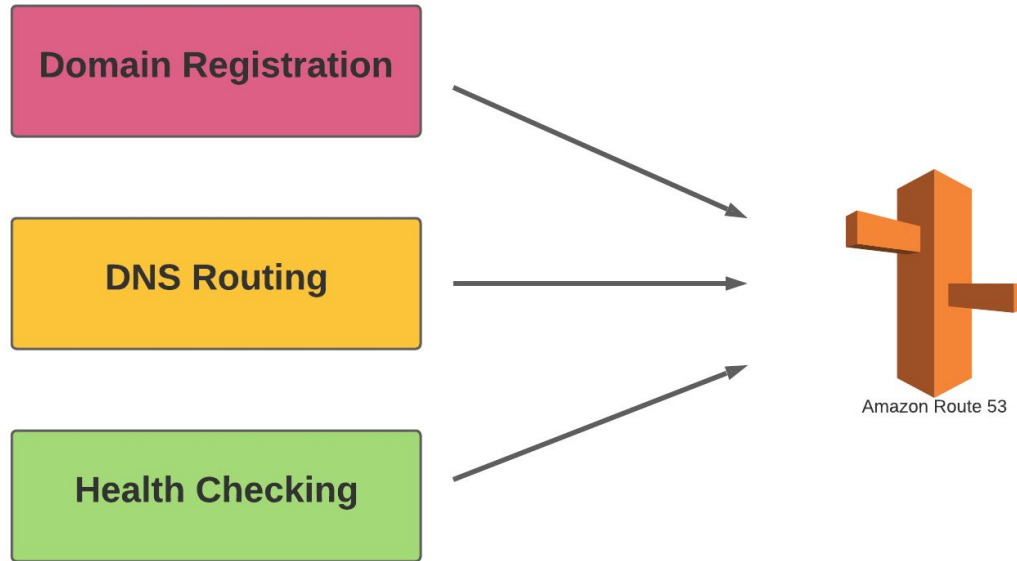
**Lifecycle Rules** - You can choose to use Lifecycle Rules on the destination bucket to manage older versions by deleting them or migrating them to Amazon Glacier.

**Determining Replication Status** - Use the HEAD operation on a source object to determine its replication status.

**Region-to-Region** - Replication always takes place between a pair of AWS regions. You cannot use this feature to replicate content to two buckets that are in the same region.

**New Objects** - Replicates new objects and changes to existing objects. Use S3 COPY to replicate existing objects

Amazon Route 53 is a highly available and scalable Domain Name System (DNS) web service.





# Object lifecycle management

**Transition actions**—Define when objects transition to another storage class

**Expiration actions**—Define when objects expire. Amazon S3 deletes expired objects on your behalf.



Delete

Create trail



	Name ▲	Home region ▼	Multi-region trail ▼	Insights ▼	Organization trail ▼	S3 bucket ▼	Log file prefix ▼	CloudWatch Logs log group ▼	Status ▼
<input type="radio"/>	CloudTrail-event-log-files	US East (N. Virginia)	Yes	Disabled	No	aws-cloudtrail-logs-827784331229-b8c157f7			Logging

## Trail name

Enter a display name for your trail.

3-128 characters. Only letters, numbers, periods, underscores, and dashes are allowed.

☐ Enable for all accounts in my organizationTo review accounts in your organization, open AWS Organizations. [See all accounts](#)Storage location [Info](#)

- ☒ Create new S3 bucket  
Create a bucket to store logs for this trail.

- ☐ Use existing S3 bucket  
Choose an existing bucket to store logs for this trail.

## Trail log bucket and folder

Enter a new S3 bucket name and folder (prefix) to store your logs. Bucket names must be globally unique.

Logs will be stored in aws-cloudtrail-logs-827784331229-b8c157f7/AWSLogs/827784331229

Log file SSE-KMS encryption [Info](#)☒ Enabled

## AWS KMS customer managed CMK

☒ New☐ Existing

## AWS KMS alias

KMS key and S3 bucket must be in the same region.

## ▼ Additional settings

Log file validation [Info](#)☒ Enabled

1

Amazon S3 &gt; aws-cloudtrail-logs-827784331229-b8c157f7 &gt; AWSLogs/ &gt; 827784331229/

827784331229/

3

Objects

Folder properties

## Objects (2)

Objects are the fundamental entities stored in Amazon S3. For others to access your objects, you'll need to explicitly grant them permissions.



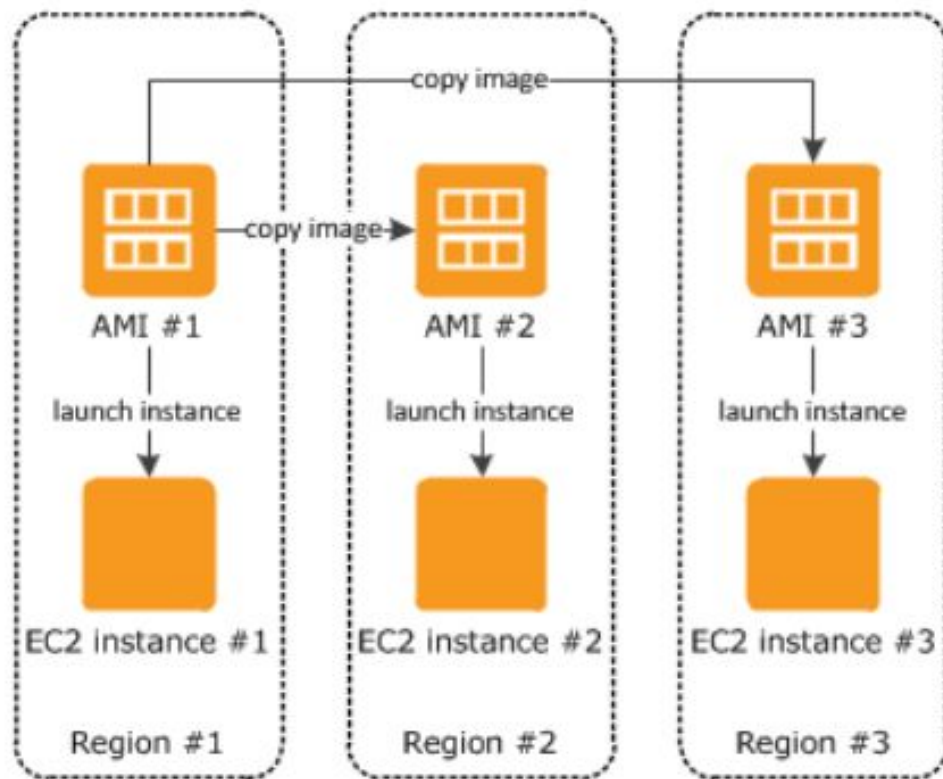
Delete

Actions ▼

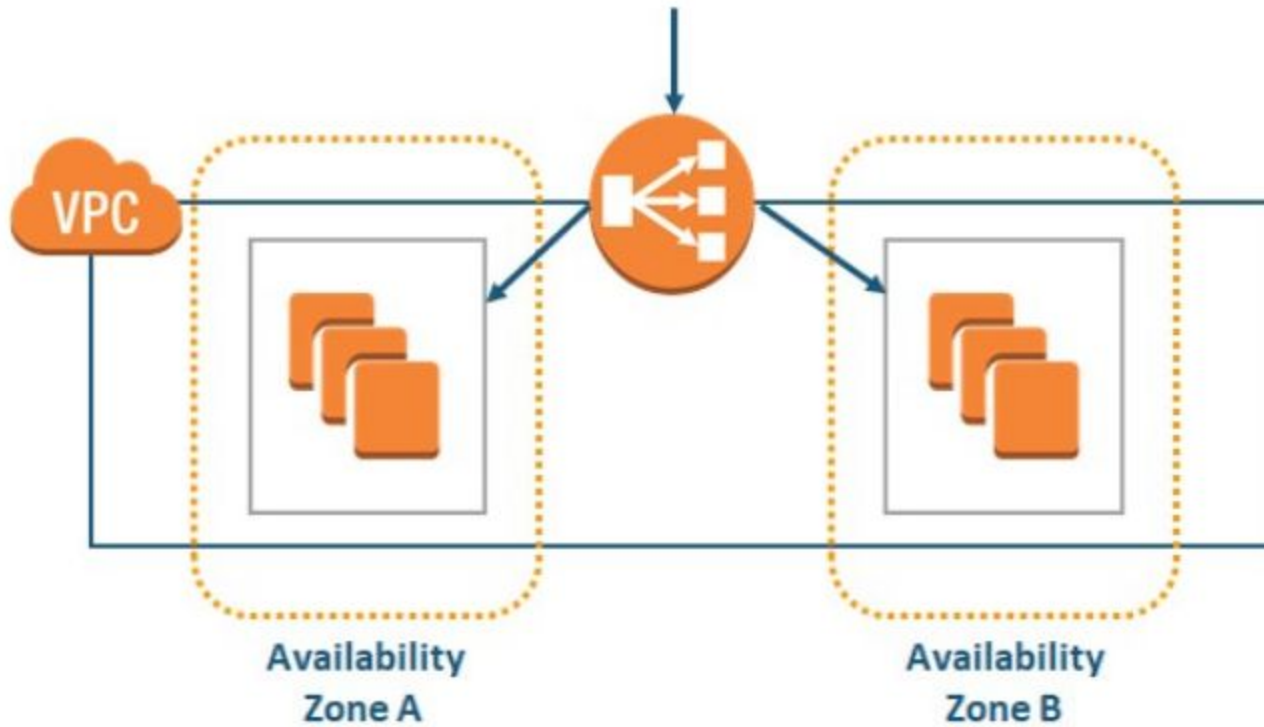
Create folder

Upload

<input type="checkbox"/>	Name ▲	Type ▼	Last modified
<input type="checkbox"/>	CloudTrail-Digest/	Folder	-
<input type="checkbox"/>	CloudTrail/	Folder	-







- Each AZ consists of **one or more** physical data centers.





http://d1111111abcdef8.cloudfront.net/images/image.jpg?color=red&size=large

## Select a delivery method for your content.

### Web

Create a web distribution if you want to:

- Speed up distribution of static and dynamic content, for example, .html, .css, .php, and graphics files.
- Distribute media files using HTTP or HTTPS.
- Add, update, or delete objects, and submit data from web forms.
- Use live streaming to stream an event in real time.

You store your files in an origin - either an Amazon S3 bucket or a web server. After you create the distribution, you can add more origins to the distribution.

[Get Started](#)

### RTMP

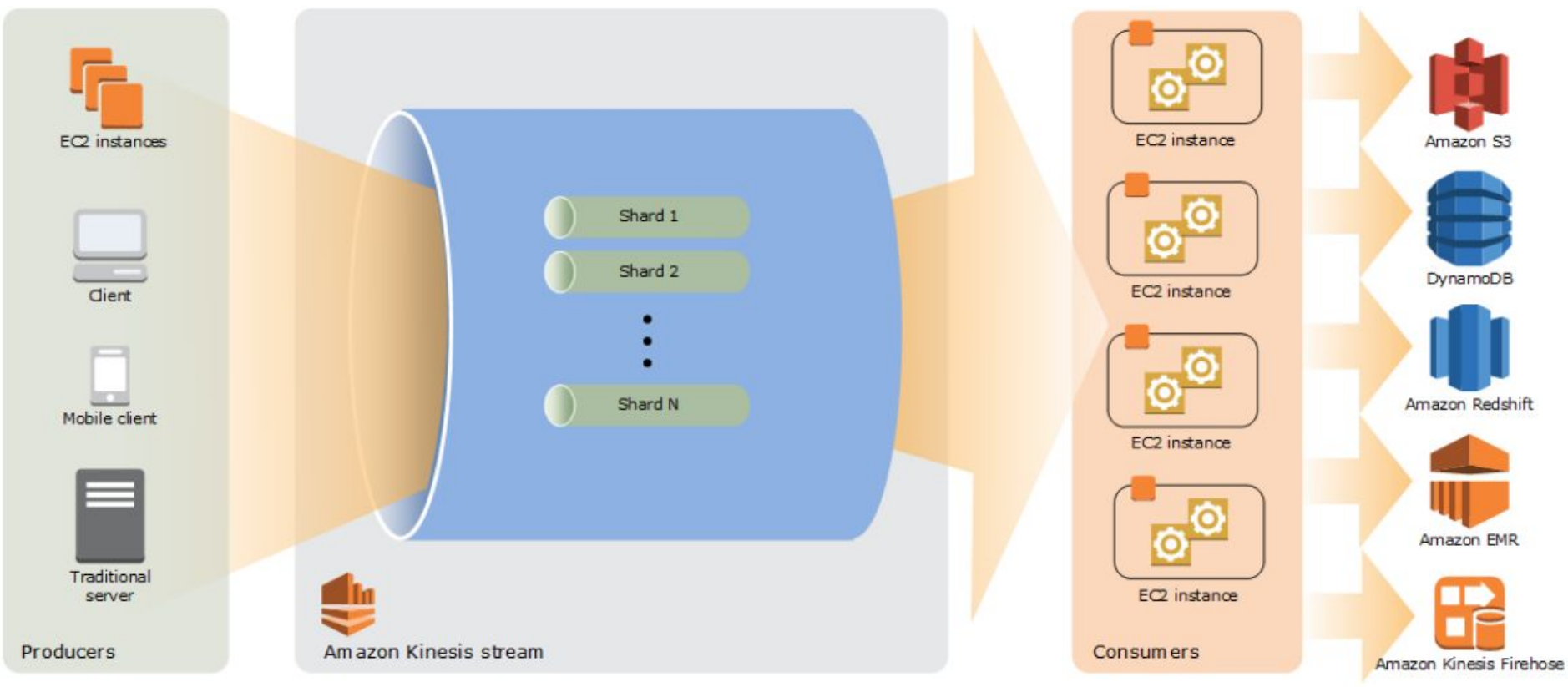
**CloudFront is discontinuing support for RTMP distributions on December 31, 2020. For more information, please [read the announcement](#).**

Create an RTMP distribution to speed up distribution of your streaming media files using Adobe Flash Media Server's RTMP protocol. An RTMP distribution allows an end user to begin playing a media file before the file has finished downloading from a CloudFront edge location. Note the following:

- To create an RTMP distribution, you must store the media files in an Amazon S3 bucket.
- To use CloudFront live streaming, create a web distribution.



[Get Started](#)





# spring.broadcast

## Bucket overview

Region US East (N. Virginia) us-east-1	Amazon resource name (ARN)  arn:aws:s3:::spring.broadcast	Creation date October 10, 2020, 16:21 (UTC+03:00)	Access  Public
-------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------	------------------------------------------------------------------------------------------------------

Objects Properties Permissions Metrics Management Access points

### Bucket Versioning

Versioning is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore every version of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions and application failures. [Learn more](#)

Edit

Bucket Versioning  
Disabled

Multi-factor authentication (MFA) delete

An additional layer of security that requires multi-factor authentication for changing Bucket Versioning settings and permanently deleting object versions. To modify MFA delete settings, use the AWS CLI, AWS SDK, or the Amazon S3 REST API. [Learn more](#)

Disabled

### Tags (0)

Track storage cost or other criteria by tagging your bucket. [Learn more](#)

Key

No tags

Amazon S3 > spring.broadcast > Edit Bucket Versioning

## Edit Bucket Versioning


### Bucket Versioning

Versioning is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore every version of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions and application failures. [Learn more](#)

#### Bucket Versioning

- ☐ Suspend  
This suspends the creation of object versions for all operations but preserves any existing object versions.

☒ Enable

 After enabling Bucket Versioning, you might need to update your lifecycle rules to manage previous versions of objects.

Multi-factor authentication (MFA) delete

An additional layer of security that requires multi-factor authentication for changing Bucket Versioning settings and permanently deleting object versions. To modify MFA delete settings, use the AWS CLI, AWS SDK, or the Amazon S3 REST API. [Learn more](#)

Disabled

Cancel

Save changes

## STANDARD QUEUE

- **Unlimited Throughput:** Support a nearly unlimited number of transactions per second (TPS) per API action.
- **At-Least-Once Delivery:** A message is delivered at least once, but occasionally more than one copy of a message is delivered.
- **Best-Effort Ordering:** Occasionally, messages might be delivered in an order different from which they were sent.



## FIFO QUEUE

- **High Throughput:** By default, FIFO queues support up to 300 messages per second
- **Exactly-Once Processing:** A message is delivered once and remains available until a consumer processes and deletes it. **Duplicates aren't introduced into the queue.**
- **First-In-First-Out Delivery:** The order in which messages are sent and received is strictly preserved





## SQS - Short vs Long Polling

**Polling** is the method in which we retrieve messages from the queues.

**Short polling (default)** returns messages immediately, even if the message queue being polled is empty.

When you need a message **right away**, shorting polling is what you want to use.

Long polling waits until message **arrives in the queue**, or the **long poll timeout expires**.

Long polling makes it **inexpensive to retrieve messages** from your queue as soon as the messages are available.

Using long polling will reduce the cost because you can **reduce the number of empty receives**.

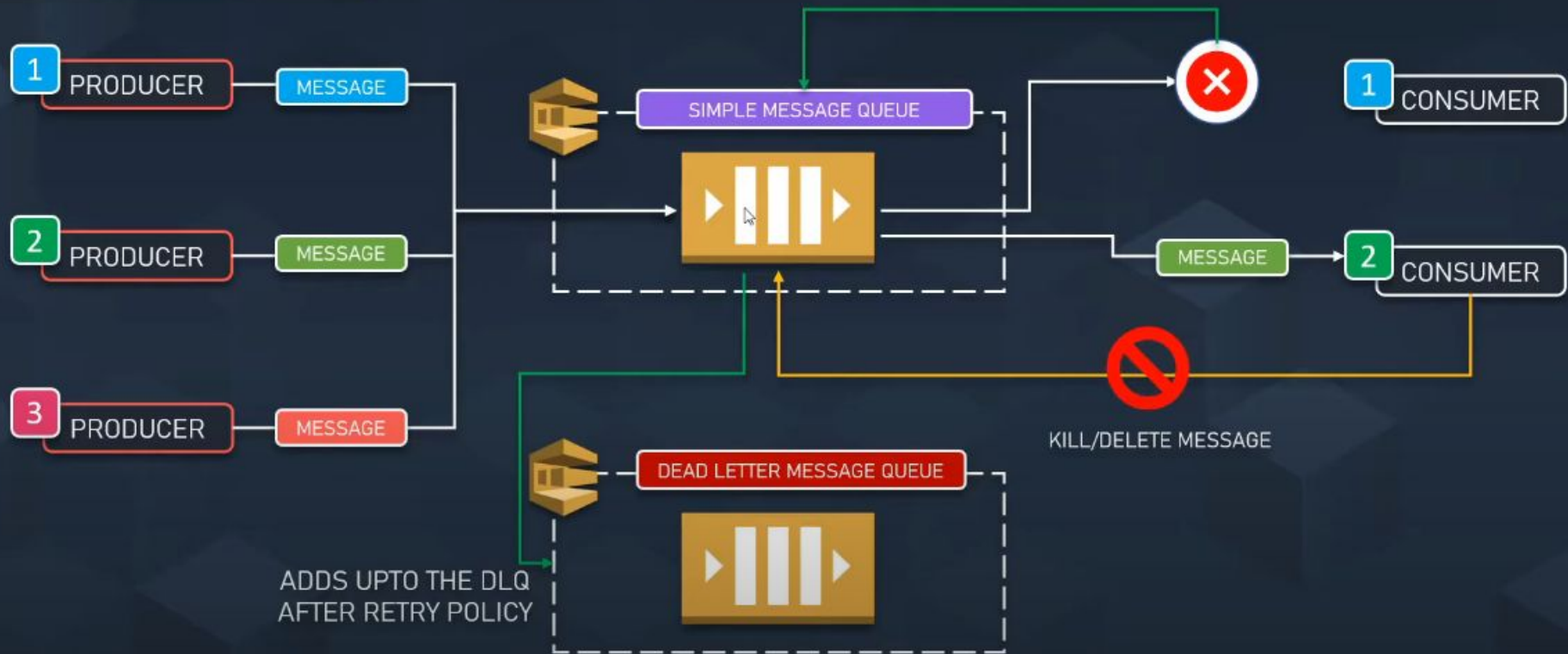
**Most use-cases** you want to use Long Polling

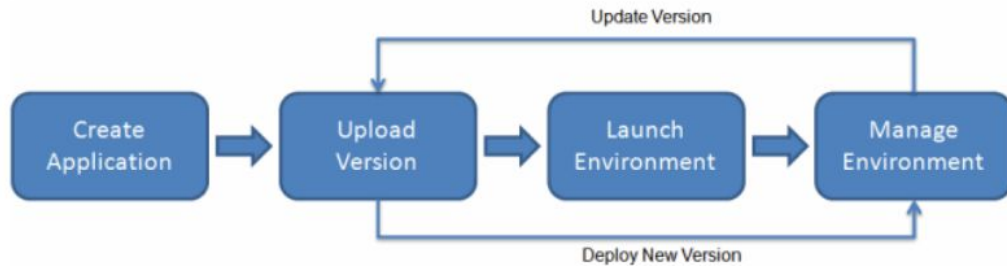
You can enable long polling when receiving a message by setting the wait time in seconds on the `ReceiveMessageRequest`



```
1 ReceiveMessageRequest receive_request = new ReceiveMessageRequest()
2   .withQueueUrl(queue_url)
3   .withWaitTimeSeconds(40);
4 sqs.receiveMessage(receive_request);
```

## Dead Letter Queue





Java,  
.NET,  
PHP,  
Node.js,  
Python,  
Ruby,  
Go,  
and Docker

**Application information**

Application name  
  
Up to 100 Unicode characters, not including forward slash (/).

**Application tags**

Apply up to 50 tags. You can use tags to group and filter your resources. A tag is a key-value pair. The key must be unique within the resource and is case-sensitive. [Learn more](#)

Key  Value

50 remaining

**Platform**

Platform

Platform branch

Platform version

**Application code**

☒ Sample application  
Get started right away with sample code.

☐ Upload your code  
Upload a source bundle from your computer or copy one from Amazon S3.

With Elastic Beanstalk, you can **quickly deploy** and manage applications in the AWS Cloud **without having to learn about the infrastructure** that runs those applications.







**Simple routing policy** – basic routing policy defined using an A record to resolve to a single resource always without any specific rules.

**Multivalued answer routing policy** – Use when you want Route 53 to respond to DNS queries with up to eight healthy records selected at **random**.

**Latency routing policy** – is used when there are multiple resources (multiple AWS Regions) for the **same functionality** and you want Route 53 to respond to DNS queries with answers that provide **the best latency**.

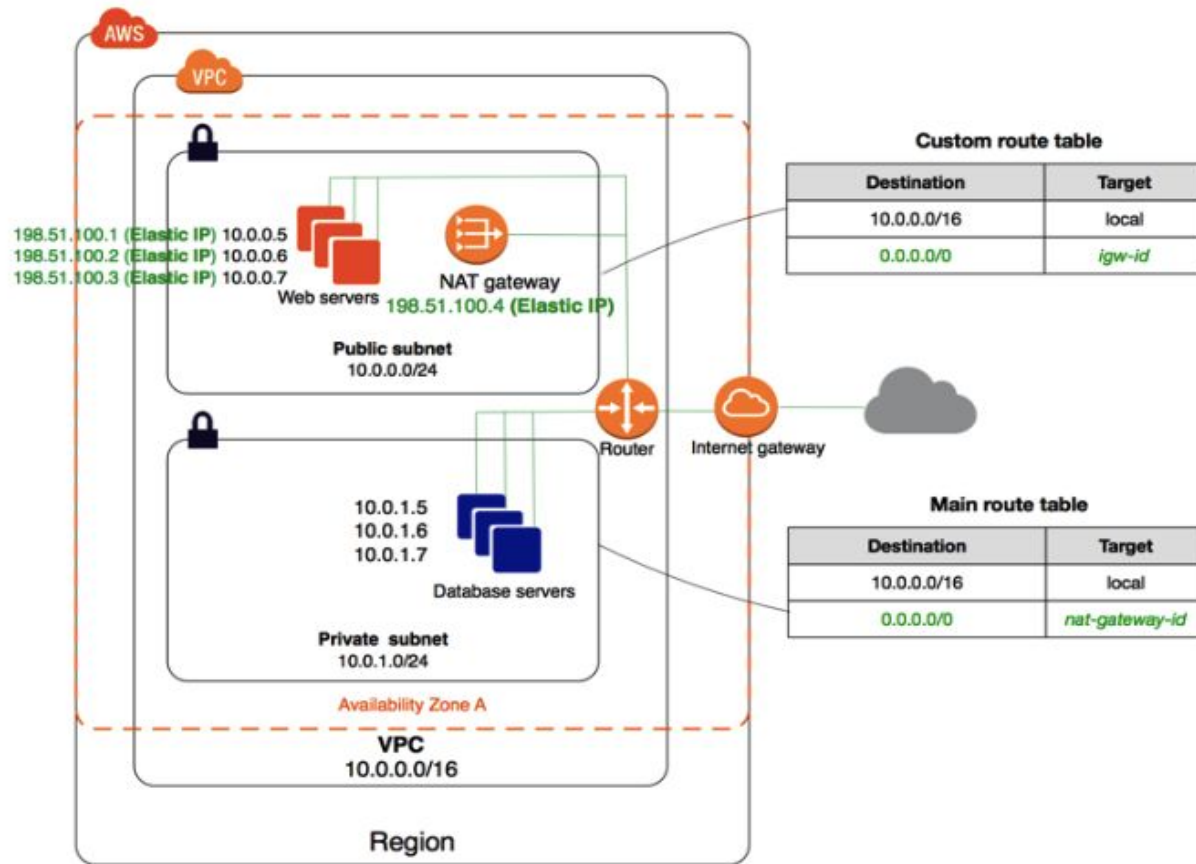
**Weighted routing policy** – is good for testing new versions of the software. Also, It is the ideal approach for **Blue-Green** deployments.

Solid State Drives (SSD)						Hard Disk Drives (HDD)	
Volume Type	EBS Provisioned IOPS SSD (io2 Block Express)	EBS Provisioned IOPS SSD (io2)	EBS Provisioned IOPS SSD (io1)	EBS General Purpose SSD (gp3) <b>announced Dec 1, 2020</b>	EBS General Purpose SSD (gp2)*	Throughput Optimized HDD (st1)	Cold HDD (sc1)
Short Description	Highest performance SSD volume designed for business-critical latency-sensitive <b>transactional workloads</b>	<b>Highest performance</b> and highest durability SSD volume designed for <b>latency-sensitive transactional workloads</b>	Highest performance SSD volume designed for <b>latency-sensitive transactional workloads</b>	<b>Lowest cost SSD volume that balances price performance for a wide variety of transactional workloads</b>	General Purpose SSD volume that <b>balances price performance for a wide variety of transactional workloads</b>	<b>Low cost</b> HDD volume designed for <b>frequently accessed, throughput intensive workloads</b>	<b>Lowest cost</b> HDD volume designed for <b>less frequently accessed workloads</b>
Durability	99.999%		99.8% - 99.9% durability			99.8% - 99.9% durability	
Use Cases	Largest, most I/O intensive, mission critical deployments of NoSQL and relational <b>databases</b> such as Oracle, SAP HANA, Microsoft SQL Server, and SAS Analytics	I/O-intensive NoSQL and relational <b>databases</b>	I/O-intensive NoSQL and relational <b>databases</b>	Virtual desktops, medium sized single instance <b>databases</b> such as Microsoft SQL Server and Oracle, latency sensitive interactive applications, boot volumes, and dev/test environments	Virtual desktops, medium sized single instance <b>databases</b> such as Microsoft SQL Server and Oracle, latency sensitive interactive applications, boot volumes, and dev/test environments	<b>Big data, data warehouses, log processing</b>	<b>Colder data requiring fewer scans per day</b>

Solid State Drives (SSD)						Hard Disk Drives (HDD)	
Volume Type	EBS Provisioned IOPS SSD (io2 Block Express)	EBS Provisioned IOPS SSD (io2)	EBS Provisioned IOPS SSD (io1)	EBS General Purpose SSD (gp3)	EBS General Purpose SSD (gp2)*	Throughput Optimized HDD (st1)	Cold HDD (sc1)
API Name	io2	io2	io1	gp3	gp2	st1	sc1
Volume Size	4 GB – 64 TB			1 GB - 16 TB		125 GB - 16 TB	
Max IOPS**/Volume	256,000	64,000	64,000	16,000	16,000	500	250
Max Throughput***/Volume	4,000 MB/s	1,000 MB/s	1,000 MB/s	1,000 MB/s	250 MB/s	500 MB/s	250 MB/s
Max IOPS/Instance	260,000	160,000**	260,000	260,000	260,000	260,000	260,000
Max Throughput/Instance	7,500 MB/s	4,750 MB/s**	7,500 MB/s	7,500 MB/s	7,500 MB/s	7,500 MB/s	7,500 MB/s
Latency	sub-millisecond	single digit millisecond					
Price	\$0.125/GB-month \$0.065/provisioned IOPS-month up to 32,000 IOPS \$0.046/provisioned IOPS-month from 32,001 to 64,000 \$0.032/provisioned IOPS-month for greater than 64,000 IOPS		\$0.125/GB-month \$0.065/provisioned IOPS-month	\$0.08/GB-month 3,000 IOPS free and \$0.005/provisioned IOPS-month over 3,000; 125 MB/s free and \$0.04/provisioned MB/s-month over 125	\$0.10/GB-month	\$0.045/GB-month	\$0.015/GB-month
Dominant Performance Attribute	IOPS, throughput, latency, capacity, and volume durability	IOPS and volume durability	IOPS	IOPS	IOPS	MB/s	MB/s







partition key

Music

```
{  
  "Artist": "No One You Know",  
  "SongTitle": "My Dog Spot",  
  "AlbumTitle": "Hey Now",  
  "Price": 1.98,  
  "Genre": "Country",  
  "CriticRating": 8.4  
}
```

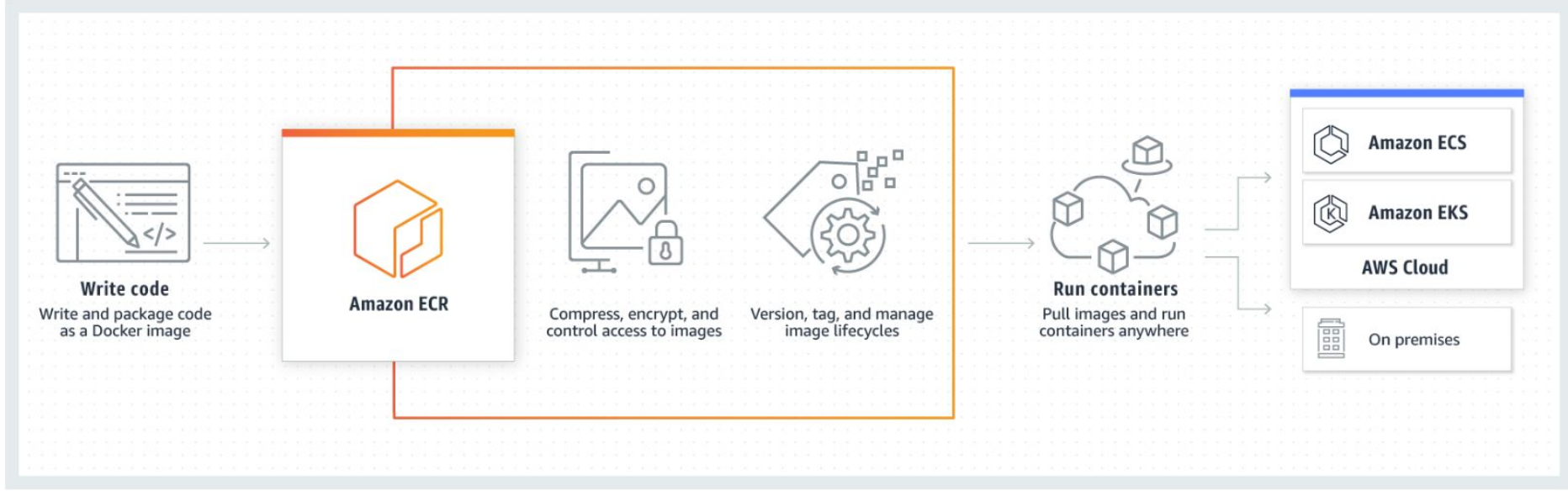
sort key

```
{  
  "Artist": "No One You Know",  
  "SongTitle": "Somewhere Down The Road",  
  "AlbumTitle": "Somewhat Famous",  
  "Genre": "Country",  
  "CriticRating": 8.4,  
  "Year": 1984  
}
```

GenreAlbumTitle

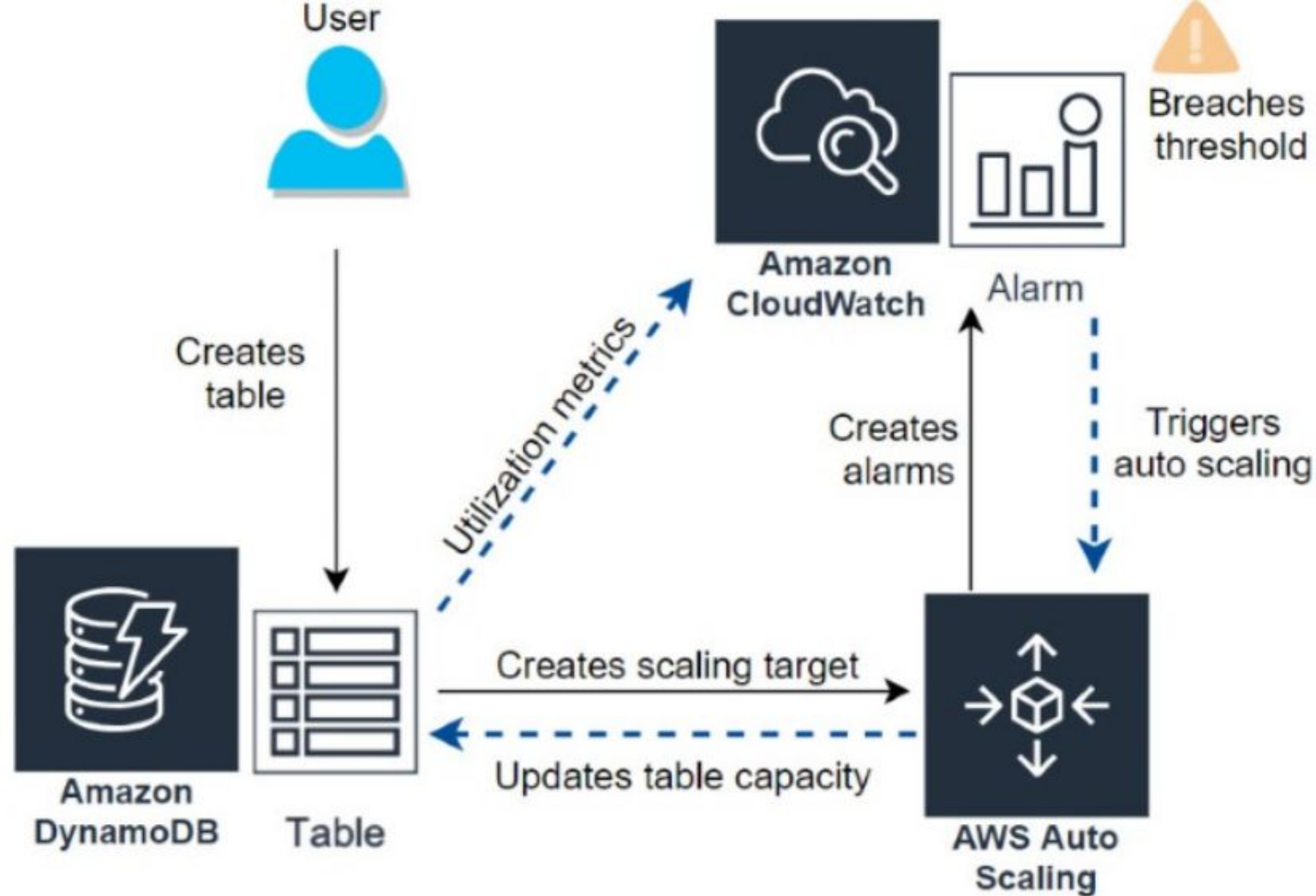
```
{  
  "Genre": "Country",  
  "AlbumTitle": "Hey Now",  
  "Artist": "No One You Know",  
  "SongTitle": "My Dog Spot"  
}
```

```
{  
  "Genre": "Country",  
  "AlbumTitle": "Somewhat Famous",  
  "Artist": "No One You Know",  
  "SongTitle": "Somewhere Down The Road"  
}
```









## Create Distribution

### Origin Settings

Origin Domain Name

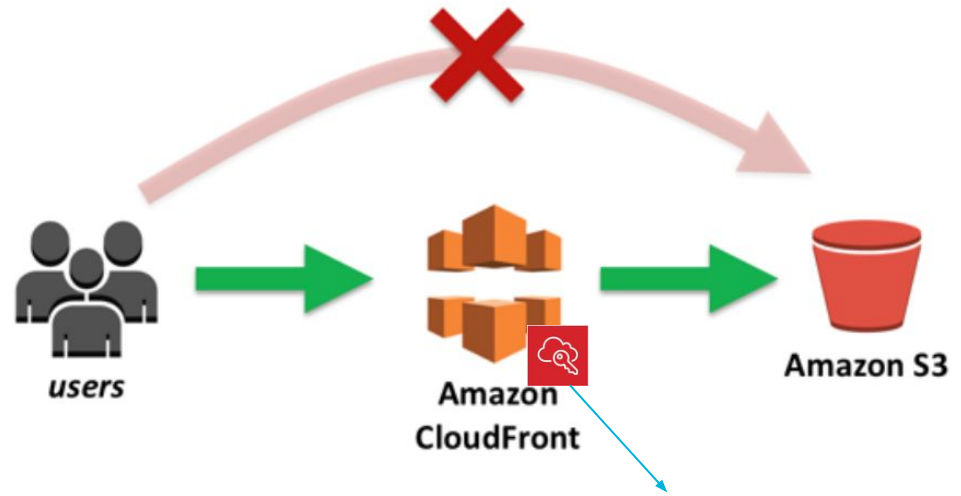
Origin Path

Enable Origin Shield ☐ Yes  
☒ No

Origin ID

Restrict Bucket Access ☒ Yes  
☐ No

Origin Access Identity ☒ Create a New Identity  
☐ Use an Existing Identity



signed URLs or  
signed cookies  
(https only)

i

i

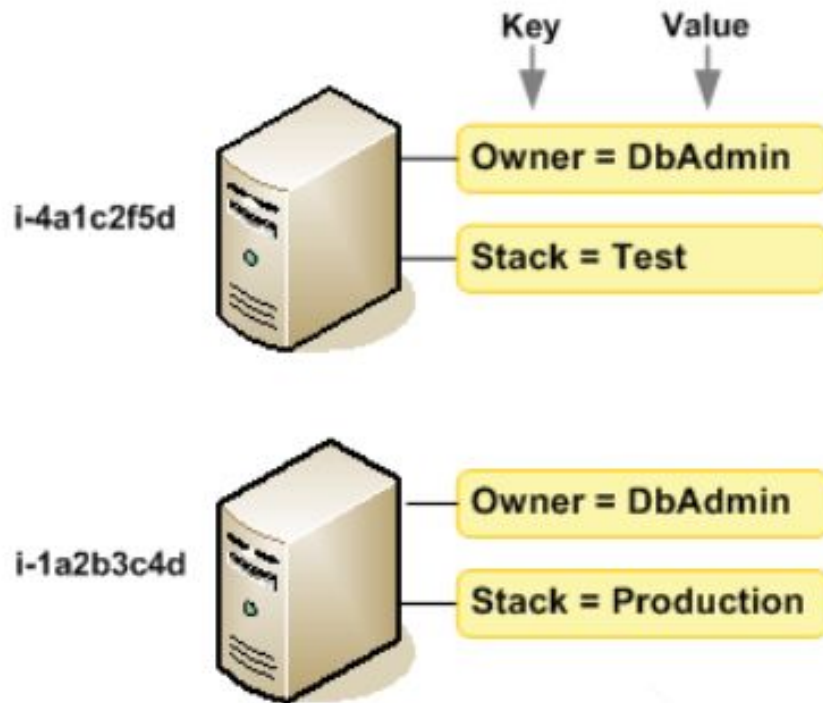
i

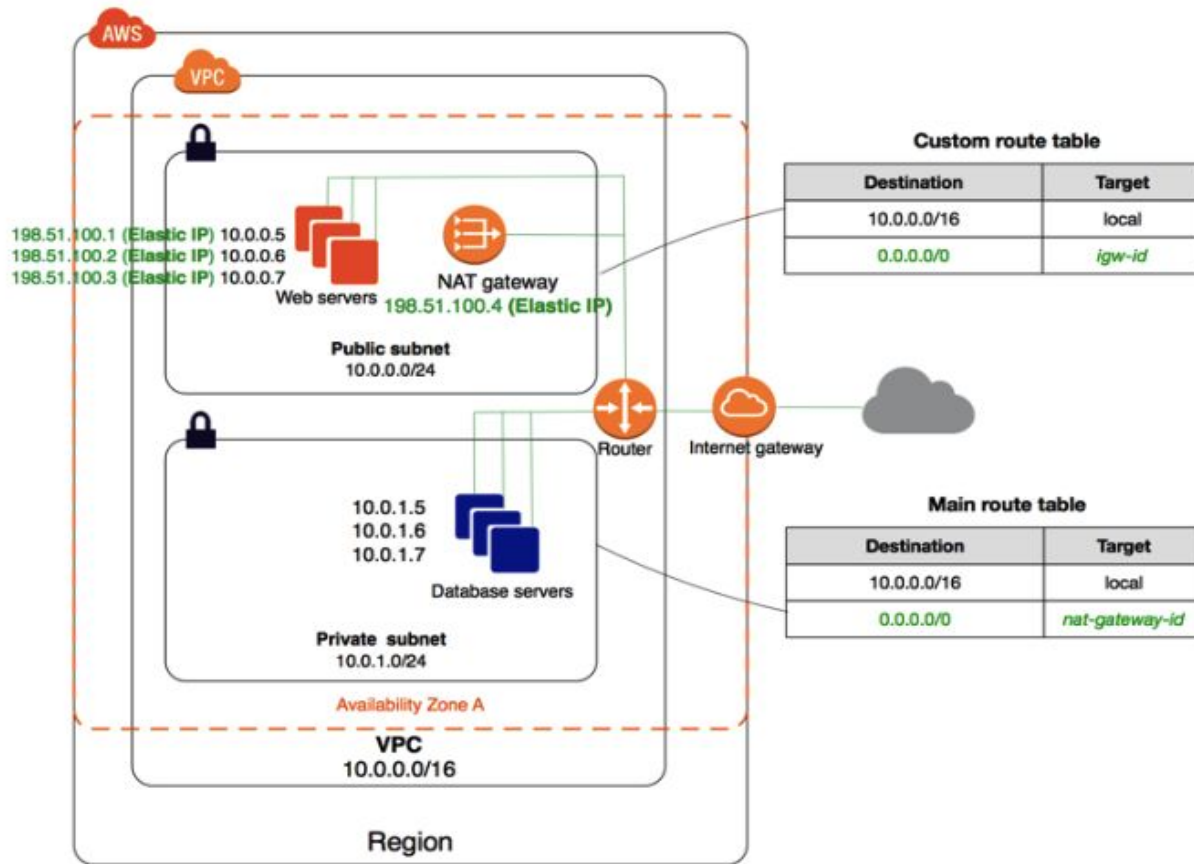
Enter a description for the origin. This value lets you distinguish multiple origins in the same distribution from one another. The description for each origin must be unique within the distribution.

i

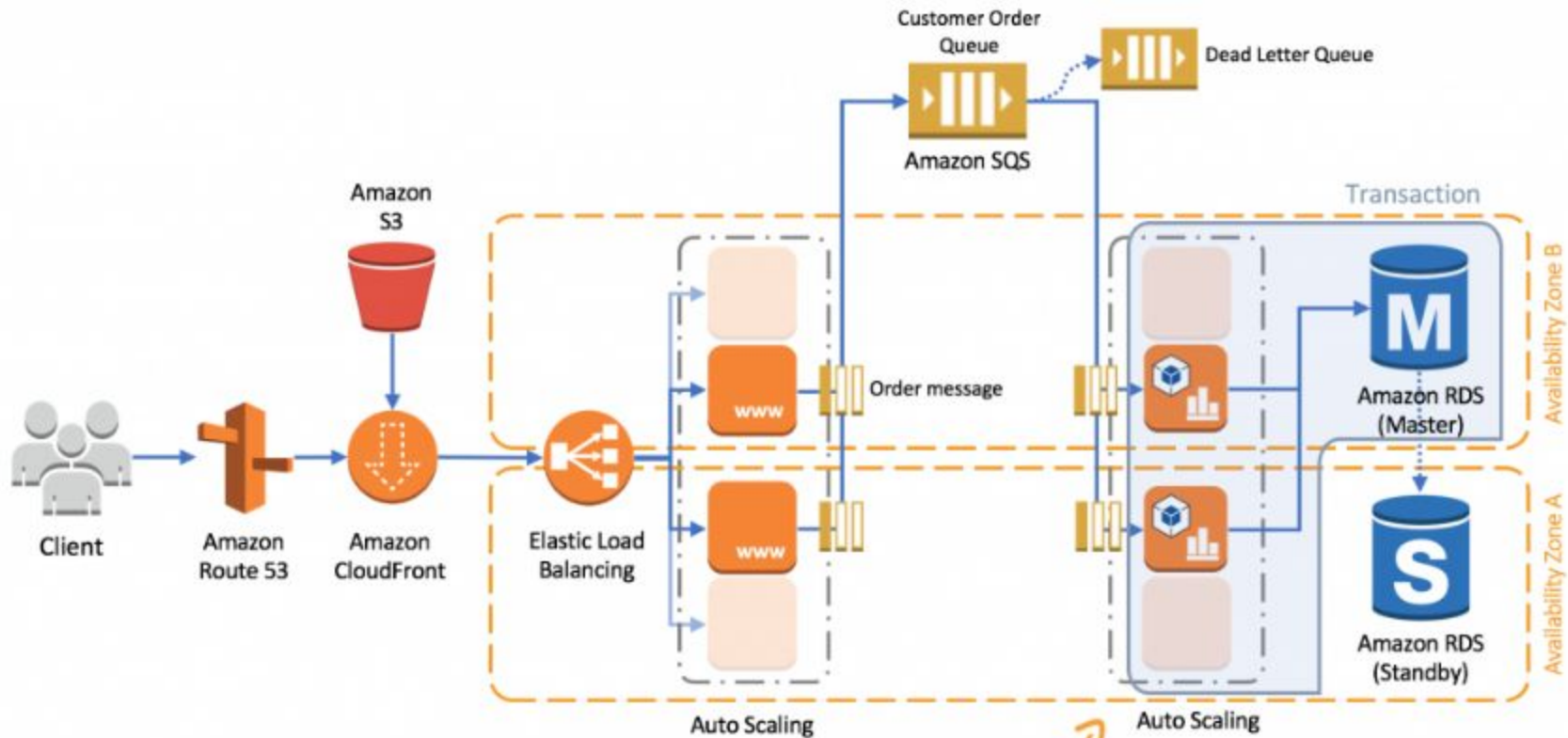
If you want to require that users always access your Amazon S3 content using CloudFront URLs, not Amazon S3 URLs, click Yes. This is useful when you are using signed URLs or signed cookies to restrict access to your content. In the Help, see "Serving Private Content through CloudFront"

i









New processing nodes scaling independently, using

- ApproximateNumberOfMessagesVisible
- ApproximateAgeOfOldestMessage



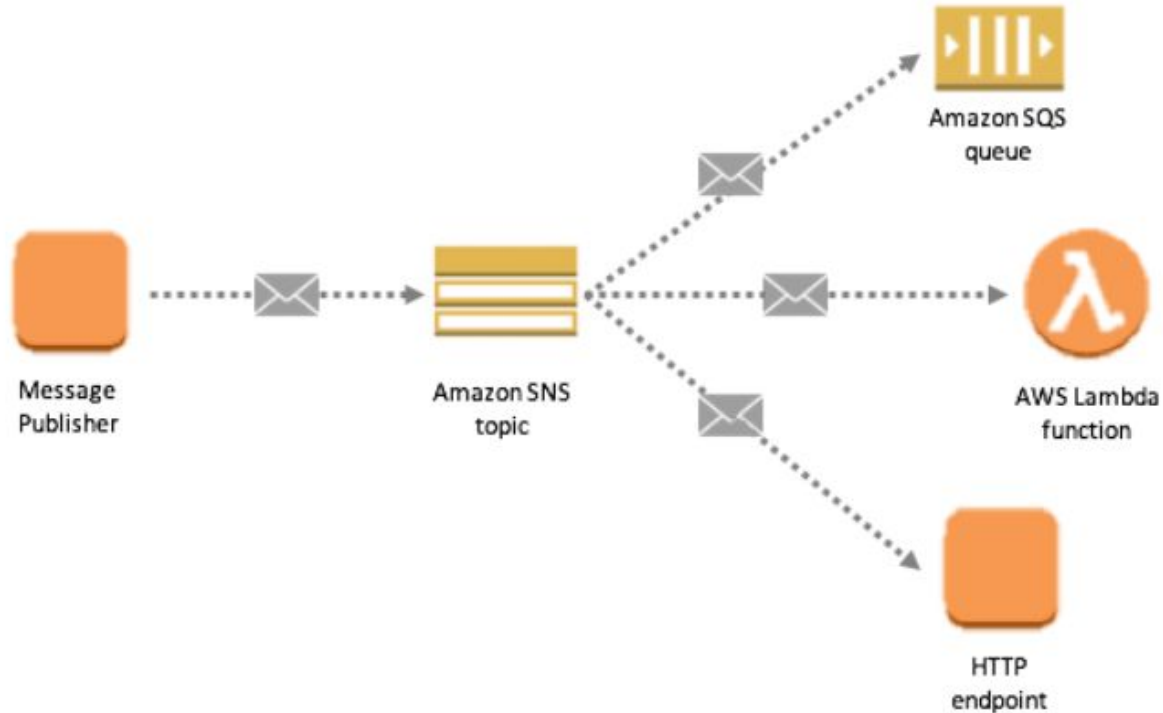




## us-east-1 region

a	b	c	d	e	f	Total	
3	3	3	3			12	
16						16	
2	2	2	2	2		10	
4	4	4				12	

**SNS** is a distributed **publish-subscribe** system. Messages are pushed to subscribers when they are sent by publishers to SNS. AWS SNS is able to push notifications to the related **SQS endpoints**.



Objects

Properties


Permissions

Metrics


Management

Access points

### Bucket overview

Region	Amazon resource name (ARN)	Creation date
US East (N. Virginia) us-east-1	 arn:aws:s3:::deneme	September 19, 2020, 22:21:02 (UTC+03:00)

### Bucket Versioning


Versioning is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore every version of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions and application failures. [Learn more](#) 

Edit

Bucket Versioning

Suspended


Multi-factor authentication (MFA) delete

An additional layer of security that requires multi-factor authentication for changing Bucket Versioning settings and permanently deleting object versions. To modify MFA delete settings, use the AWS CLI, AWS SDK, or the Amazon S3 REST API. [Learn more](#) 

Disabled



### Object Lock

Edit

Store objects using a write-once-read-many (WORM) model to help you prevent objects from being deleted or overwritten for a fixed amount of time or indefinitely. [Learn more](#) 

Object Lock

Disabled

 Amazon S3 currently does not support enabling Object Lock after a bucket has been created. To enable Object Lock for this bucket, contact [Customer Support](#) 

## Comparing the Amazon S3 storage classes

The following table compares the storage classes.

Storage class	Designed for	Durability (designed for)	Availability (designed for)	Availability Zones	Min storage duration
S3 Standard	Frequently accessed data	99.999999999%	99.99%	>= 3	None
S3 Standard-IA	Long-lived, infrequently accessed data	99.999999999%	99.9%	>= 3	30 days
S3 Intelligent-Tiering	Long-lived data with changing or unknown access patterns	99.999999999%	99.9%	>= 3	30 days
S3 One Zone-IA	Long-lived, infrequently accessed, <u>non-critical data</u>	99.999999999%	99.5%	1	30 days
S3 Glacier	Long-term data archiving with retrieval times ranging from minutes to hours	99.999999999%	99.99% (after you restore objects)	>= 3	90 days
S3 Glacier Deep Archive	Archiving rarely accessed data with a default retrieval time of 12 hours	99.999999999%	99.99% (after you restore objects)	>= 3	180 days
RRS (Not recommended)	Frequently accessed, non-critical data	99.99%	99.99%	>= 3	None