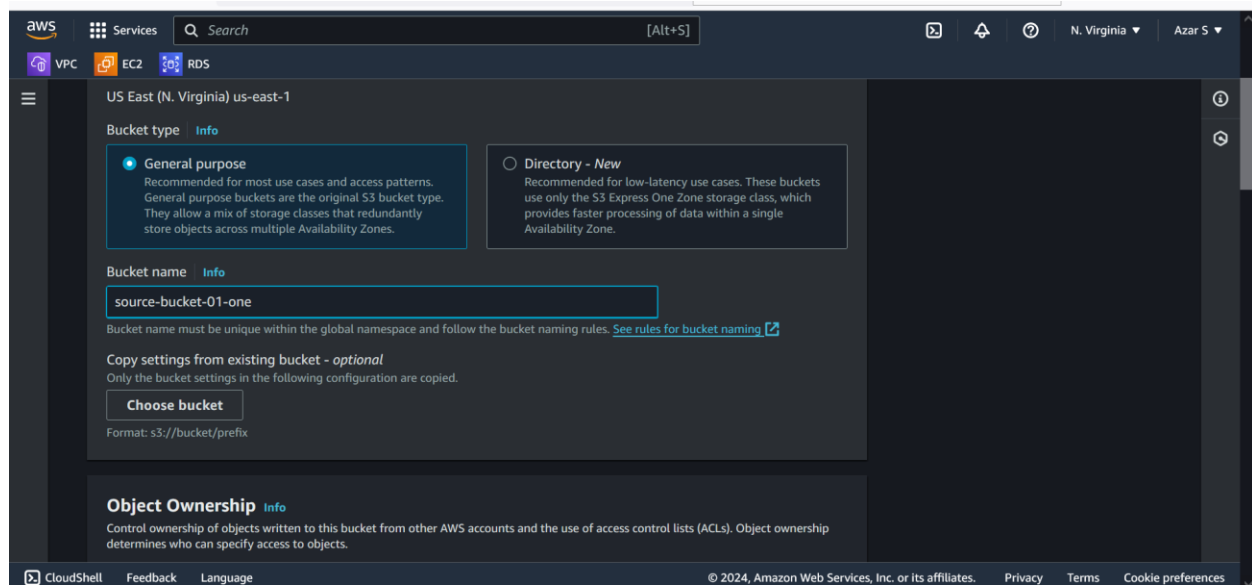
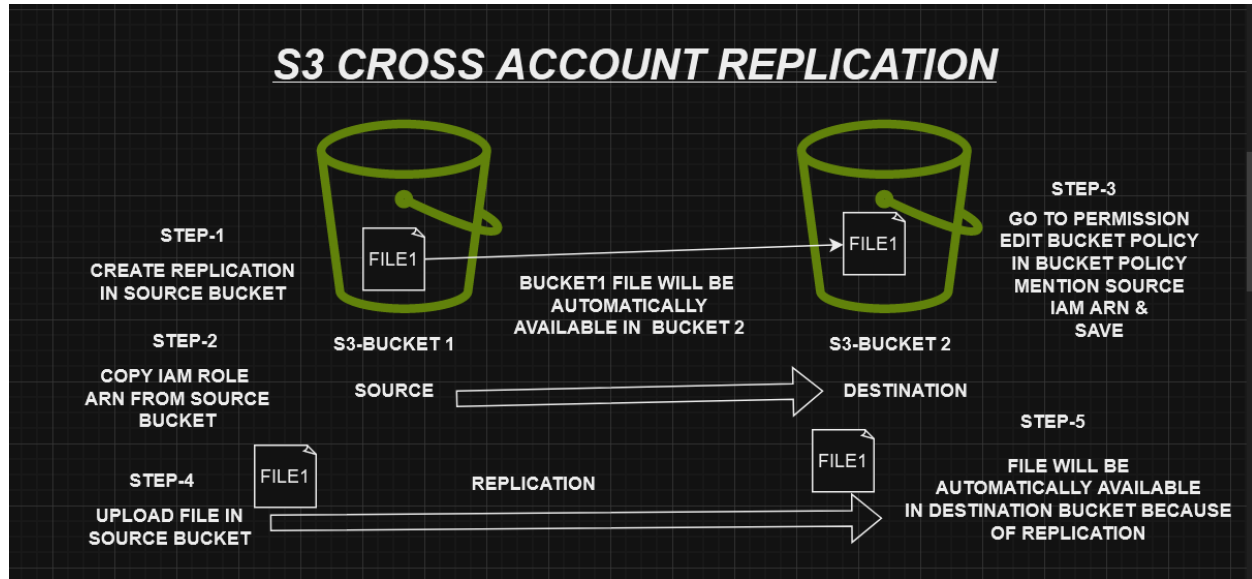


## S3 CROSS ACCOUNT REPLICATION:



Bucket Versioning

☐ Disable

☒ Enable

aws

Services

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N. Virginia

Azar S

VPC

EC2

RDS

Server-side encryption with Amazon S3 managed keys (SSE-S3)

☐ Server-side encryption with AWS Key Management Service keys (SSE-KMS)

☐ Dual-layer server-side encryption with AWS Key Management Service keys (DSSE-KMS)

Secure your objects with two separate layers of encryption. For details on pricing, see [DSSE-KMS pricing on the Storage tab of the Amazon S3 pricing page.](#)

Bucket Key

Using an S3 Bucket Key for SSE-KMS reduces encryption costs by lowering calls to AWS KMS. S3 Bucket Keys aren't supported for DSSE-KMS. [Learn more](#)

☐ Disable

☒ Enable

Advanced settings

After creating the bucket, you can upload files and folders to the bucket, and configure additional bucket settings.

Cancel

Create bucket

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Amazon S3

Buckets

source-bucket-01-one

source-bucket-01-one

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Access Points

Lifecycle rules

Refresh

View details

Edit

Delete

Actions

Create lifecycle rule

Use lifecycle rules to define actions you want Amazon S3 to take during an object's lifetime such as transitioning objects to another storage class, archiving them, or deleting them after a specified period of time. [Learn more](#)

Lifecycle rule ...	Status	Scope	Current versio...	Noncurrent ve...	Expired object...	Incomplete m...
No lifecycle rules						
There are no lifecycle rules for this bucket.						
<div>Create lifecycle rule</div>						

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The top screenshot shows the AWS Management Console interface for 'Create lifecycle rule'. The main content area displays 'Replication rules (0)' with buttons for 'View details', 'Edit rule', 'Delete', 'Actions', and 'Create replication rule'. Below this is a table with the following columns: Replication rule name, Status, Destination bucket, Destination Region, Priority, Scope, Storage class, Replica owner, Replication Time Control, and KMS-encrypted objects (SSE-KMS or DSSE-KMS). The table is empty, and a message states 'No replication rules. You don't have any rules in the replication configuration.' with a 'Create replication rule' button.

The bottom screenshot shows the 'Create replication rule' configuration page. The breadcrumb trail is 'Amazon S3 > Buckets > source-bucket-01-one > Replication rules > Create replication rule'. The main heading is 'Create replication rule' with an 'Info' link. The configuration section includes:

- Replication rule configuration**
- Replication rule name**: A text input field containing 'replica-source-destination'. Below it, a note states: 'Up to 255 characters. In order to be able to use CloudWatch metrics to monitor the progress of your replication rule, the replication rule name must only contain English characters.'
- Status**: A section with the text 'Choose whether the rule will be enabled or disabled when created.' and two radio buttons: 'Enabled' (selected) and 'Disabled'.
- Priority**: A section with the text: 'The priority value resolves conflicts that occur when an object is eligible for replication under multiple rules to the same destination. The rule is added to the configuration at the highest priority and the priority can be changed on the replication rules table.'

The image shows two screenshots of the AWS IAM console. The top screenshot displays the 'Source bucket' configuration for an S3 replication rule. The 'Source bucket name' is 'source-bucket-01-one' and the 'Source Region' is 'US East (N. Virginia) us-east-1'. Under 'Choose a rule scope', the option 'Apply to all objects in the bucket' is selected. The bottom screenshot shows the 'Destination' configuration. The 'Destination' section explains that objects can be replicated across buckets in different AWS Regions (Cross-Region Replication) or in the same AWS Region (Same-Region Replication). Under 'Choose a bucket in this account', the option 'Specify a bucket in another account' is selected. The 'Account ID' is '471112873367'. The 'Bucket name' is 'bucket-one-new-one'. The 'Destination Region' is 'Asia Pacific (Mumbai) ap-south-1'. There is an unchecked checkbox for 'Change object ownership to destination bucket owner'. The bottom screenshot also shows the 'IAM role' section with three options: 'Create new role' (selected), 'Choose from existing IAM roles', and 'Enter IAM role ARN'.

**Source bucket**

Source bucket name  
source-bucket-01-one

Source Region  
US East (N. Virginia) us-east-1

Choose a rule scope

- ☐ Limit the scope of this rule using one or more filters
- ☒ Apply to all objects in the bucket

**Destination**

Destination  
You can replicate objects across buckets in different AWS Regions (Cross-Region Replication) or you can replicate objects across buckets in the same AWS Region (Same-Region Replication). You can also specify a different bucket for each rule in the configuration. [Learn more](#)

☐ Choose a bucket in this account

☒ Specify a bucket in another account

Account ID  
471112873367

Bucket name  
Choose the bucket that will receive replicated objects.  
bucket-one-new-one

Destination Region  
Asia Pacific (Mumbai) ap-south-1

☐ Change object ownership to destination bucket owner  
Objects in the source bucket not owned by the source bucket owner will be replaced with access policy that grants full permission to the destination bucket owner

**IAM role**

- ☒ Create new role
- ☐ Choose from existing IAM roles
- ☐ Enter IAM role ARN

The screenshot displays the AWS Management Console interface. The top navigation bar includes the AWS logo, a search bar, and the user's name 'Azar S' in the 'N. Virginia' region. The left sidebar shows the 'Services' menu with 'VPC', 'EC2', and 'RDS' visible. The main content area is titled 'Additional replication options' and contains four unchecked checkboxes: 'Replication Time Control (RTC)', 'Replication metrics', 'Delete marker replication', and 'Replica modification sync'. Each option has a brief description and a 'Learn more' link. At the bottom of this section are 'Cancel' and 'Save' buttons. Below this, a green banner states 'Replication configuration successfully updated'. The 'Replication configuration settings' section shows 'Source bucket' as 'source-bucket-01-one' and 'Source Region' as 'US East (N. Virginia) us-east-1'. A 'Replication rules (1)' section at the bottom includes buttons for 'View details', 'Edit rule', 'Delete', and 'Actions', along with a 'Create replication rule' button. A context menu is open over the 's3crr\_role\_for\_source-bucket-01-one' link, showing options like 'Open Link in New Tab', 'Bookmark Link...', and 'Copy Link'.

aws Services Search [Alt+S] N. Virginia Azar S

VPC EC2 RDS

### Additional replication options

- ☐ Replication Time Control (RTC)  
Replication Time Control replicates 99.99% of new objects within 15 minutes and includes replication metrics. Additional fees will apply. [Learn more](#)
- ☐ Replication metrics  
With replication metrics, you can monitor the total number and size of objects that are pending replication, and the maximum replication time to the destination Region. You can also view and diagnose replication failures. CloudWatch metrics fees apply. [Learn more](#) or see [Amazon CloudWatch pricing](#)
- ☐ Delete marker replication  
Delete markers created by S3 delete operations will be replicated. Delete markers created by lifecycle rules are not replicated. [Learn more](#)
- ☐ Replica modification sync  
Replicate metadata changes made to replicas from the destination bucket to the source bucket. [Learn more](#)

Cancel Save

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### Replication configuration successfully updated

If changes to the configuration aren't displayed, choose the refresh button. Changes apply only to new objects. To apply these changes to existing objects, choose **Create replication job**.

### Replication configuration settings

Configuration settings affect all replication rules in the bucket.

Source bucket	IAM role
source-bucket-01-one	<a href="#">s3crr_role_for_source-bucket-01-one</a>
Source Region	
US East (N. Virginia) us-east-1	

### Replication rules (1)

View details Edit rule Delete Actions Create replication rule

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Open Link in New Tab  
Open Link in New Window  
Open Link in New Private Window  
Bookmark Link...  
Save Link As...  
Save Link to Pocket  
Copy Link  
Copy Link Without Site Tracking  
Search Google for "s3crr\_role\_for\_..."  
Inspect Accessibility Properties  
Inspect (Q)

The image displays two screenshots from the AWS Management Console. The top screenshot shows the IAM console page for the role `s3crr_role_for_source-bucket-01-one`. The role was created on April 05, 2024, at 12:53 (UTC+05:30). The ARN `arn:aws:iam::709398145454:role/service-role/s3crr_role_for_source-bucket-01-one` is highlighted with a green 'ARN copied' notification. The bottom screenshot shows the Amazon S3 console for the bucket `bucket-one-new-one` in the `ap-south-1` region. The 'Permissions' tab is selected, showing the 'Permissions overview' and 'Block public access (bucket settings)' section. The 'Block public access' settings are currently set to 'Off'. The console interface includes a left-hand navigation menu, a top navigation bar with the AWS logo and search bar, and a footer with copyright information and system status.

The image displays two screenshots of the AWS IAM console, specifically the 'Edit bucket policy' page for a bucket named 'bucket-one-new-one' in the 'ap-south-1' region. The browser tabs include WhatsApp, Meet, and the current page 'Edit bucket policy - S3 bucket'. The AWS console header shows the 'Services' menu and the 'IAM' service selected.

**Top Screenshot:** The 'Edit bucket policy' page is shown with the 'Bucket policy' section. The 'Bucket ARN' is 'arn:aws:s3:::bucket-one-new-one'. The 'Policy' section is empty, and the 'Edit statement' button is visible. A tooltip is present over the 'Policy' section.

**Bottom Screenshot:** The 'Edit bucket policy' page is shown with the 'Policy' section expanded. The 'Policy' section contains a JSON policy document. The 'Edit statement' button is visible, and a tooltip is present over the 'Policy' section.

**Policy Document (Bottom Screenshot):**

```
1 {
2   "Version": "2012-10-17",
3   "Id": "",
4   "Statement": [
5     {
6       "Sid": "Object Level Permissions",
7       "Effect": "Allow",
8       "Principal": {
9         "AWS": "arn:aws:iam::709398145454:role/service-r
10      },
11      "Action": [
12        "s3:ReplicateObject",
13        "s3:ReplicateDelete"
14      ],
15      "Resource": "arn:aws:s3:::bucket-one-new-one/*"
```

**Bottom Screenshot Details:** The 'Edit statement' button is visible, and a tooltip is present over the 'Policy' section. The 'Select a statement' dialog is open, showing the option to 'Add new statement'.

source-bucket-01-one

Objects (1)

Name	Type	Last modified	Size	Storage class
rootkey.csv	csv	April 5, 2024, 13:02:53 (UTC+05:30)	99.0 B	Standard

Object management overview

The following bucket properties and object management configurations impact the behavior of this object.

**Bucket properties**

- Bucket Versioning**  
When enabled, multiple variants of an object can be stored in the bucket to easily recover from unintended user actions and application failures.  
**Enabled**
- Object Lock**  
When enabled, this object will be prevented from being deleted or overwritten until the hold is explicitly removed.  
**Disabled**
- Object Lock retention mode**  
In governance mode, users can't overwrite or delete this object or alter its lock settings unless they have special permissions. In compliance mode the object can't be overwritten or deleted by any user, including the root user in your AWS account.  
**Disabled**
- Default retention period**

**Management configurations**

- Replication status**  
When a replication rule is applied to an object the replication status indicates the progress of the operation.  
**COMPLETED**  
[View replication rules](#)
- Expiration rule**  
You can use a lifecycle configuration to define expiration rules to schedule the removal of this object after a pre-defined time period.  
-
- Expiration date**  
The object will be made noncurrent and generate a delete marker on this date.  
-



**Amazon S3**

**Buckets**

- Access Grants
- Access Points
- Object Lambda Access Points
- Multi-Region Access Points
- Batch Operations
- IAM Access Analyzer for S3

Block Public Access settings for this account

**Storage Lens**

- Dashboards
- Storage Lens groups

**Objects (4) Info**

Copy S3 URI Copy URL Download Open Delete Actions

Create folder Upload

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

Find objects by prefix Show versions

	Name	Type	Last modified	Size	Storage class
	one1.tf	tf	April 5, 2024, 11:18:15 (UTC+05:30)	61.0 B	Standard
	rootkey.csv	csv	April 5, 2024, 13:02:53 (UTC+05:30)	99.0 B	Standard

```
C:\Users> Dell > Downloads > {} BUCKET POLICY.json > {} Statement > {} 0
1 {
2   "Version": "2012-10-17",
3   "Id": "",
4   "Statement": [
5     {
6       "Sid": "Object Level Permissions",
7       "Effect": "Allow",
8       "Principal": {
9         # SOURCE BUCKET IAM ARN
10        "AWS": "arn:aws:iam::709398145454:role/service-role/s3crr_role_for_source-bucket-01-one"
11      },
12      "Action": [
13        "s3:ReplicateObject",
14        "s3:ReplicateDelete"
15      ],
16      "Resource": "arn:aws:s3:::bucket-one-new-one/*"
17    },
18    {
19      "Sid": "Bucket Level Permissions",
20      "Effect": "Allow",
21      "Principal": {
22        # SOURCE BUCKET IAM ARN
23        "AWS": "arn:aws:iam::709398145454:role/service-role/s3crr_role_for_source-bucket-01-one"
24      },
25      "Action": [
26        "s3:List*",
27        "s3:GetBucketVersioning",
28        "s3:PutBucketVersioning"
29      ],
30    },
31    {
32      # DESTINATION BUCKET NAME
33      "Resource": "arn:aws:s3:::bucket-one-new-one"
34    }
35  ]
36 }
37
38
```

**BUCKET POLICY:**

```
{
  "Version": "2012-10-17",
  "Id": "",
  "Statement": [
    {
      "Sid": "Object Level Permissions",
      "Effect": "Allow",
      "Principal": {
        "AWS": "arn:aws:iam::709398145454:role/service-role/s3crr_role_for_source-
bucket-01-one"
      },
      "Action": [
        "s3:ReplicateObject",
        "s3:ReplicateDelete"
      ],
      "Resource": "arn:aws:s3:::bucket-one-new-one/*"
    },
    {
      "Sid": "Bucket Level Permissions",
      "Effect": "Allow",
      "Principal": {
        "AWS": "arn:aws:iam::709398145454:role/service-role/s3crr_role_for_source-
bucket-01-one"
      },
      "Action": [
        "s3:List*",
        "s3:GetBucketVersioning",
```

```
"s3:PutBucketVersioning"  
],  
"Resource": "arn:aws:s3:::bucket-one-new-one"  
}  
]  
}
```