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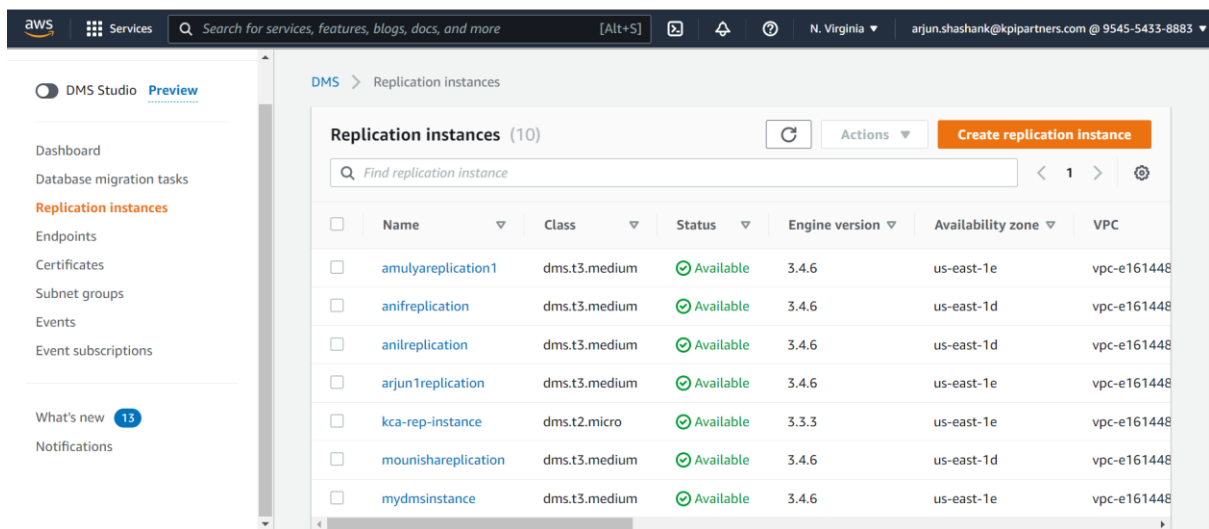
# Data Migration from RDS to S3



# Data Migration Service

## Steps to create Data Migration Task:

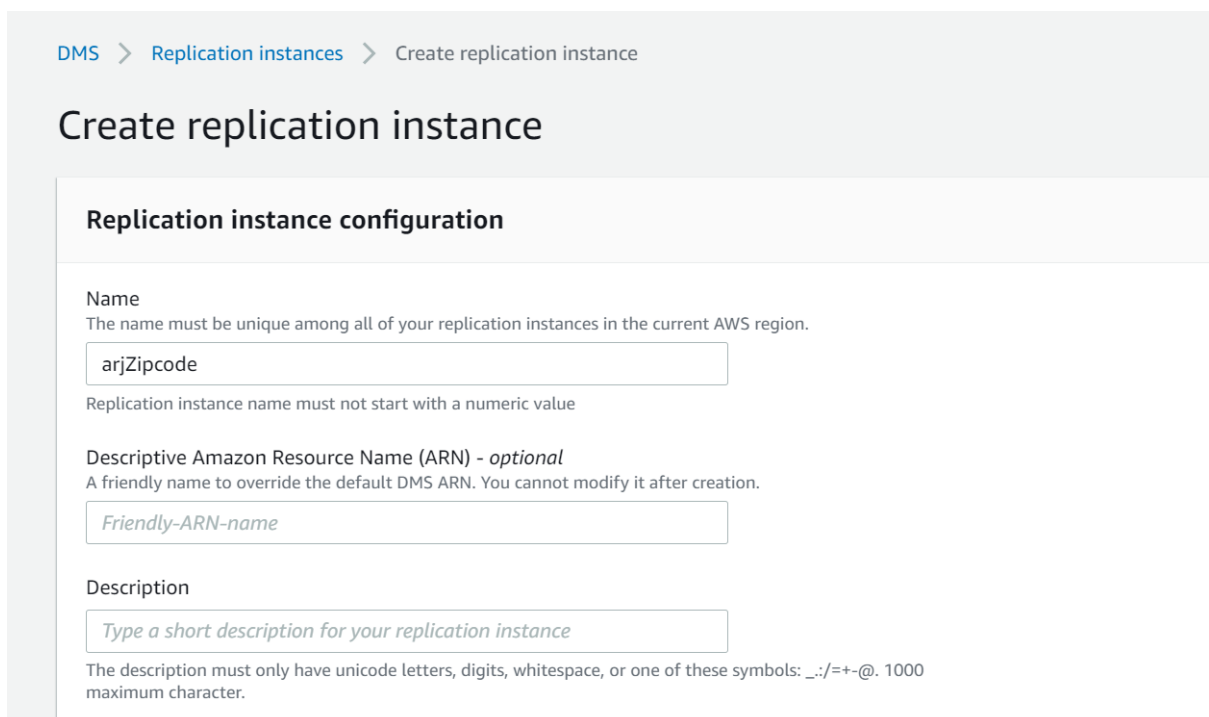
### 1. Choose Replication Instance



The screenshot shows the AWS Management Console interface for the Data Migration Service (DMS). The left sidebar contains navigation links for DMS Studio, Dashboard, Database migration tasks, Replication instances (highlighted), Endpoints, Certificates, Subnet groups, Events, and Event subscriptions. The main content area is titled 'Replication instances (10)' and includes a search bar and a 'Create replication instance' button. Below this is a table listing the existing replication instances.

	Name	Class	Status	Engine version	Availability zone	VPC
<input type="checkbox"/>	amulyareplication1	dms.t3.medium	Available	3.4.6	us-east-1e	vpc-e161448
<input type="checkbox"/>	anifreplication	dms.t3.medium	Available	3.4.6	us-east-1d	vpc-e161448
<input type="checkbox"/>	anilreplication	dms.t3.medium	Available	3.4.6	us-east-1d	vpc-e161448
<input type="checkbox"/>	arjun1replication	dms.t3.medium	Available	3.4.6	us-east-1e	vpc-e161448
<input type="checkbox"/>	kca-rep-instance	dms.t2.micro	Available	3.3.3	us-east-1e	vpc-e161448
<input type="checkbox"/>	mounishareplication	dms.t3.medium	Available	3.4.6	us-east-1d	vpc-e161448
<input type="checkbox"/>	mydmsinstance	dms.t3.medium	Available	3.4.6	us-east-1e	vpc-e161448

### 2. Create Replication Instance.



The screenshot shows the 'Create replication instance' page in the AWS Management Console. The page has a breadcrumb trail: DMS > Replication instances > Create replication instance. The main heading is 'Create replication instance'. Below this is the 'Replication instance configuration' section, which contains three fields: 'Name', 'Descriptive Amazon Resource Name (ARN) - optional', and 'Description'. The 'Name' field is filled with 'arjZipcode'. The 'Descriptive Amazon Resource Name (ARN) - optional' field is empty. The 'Description' field is empty.

**Replication instance configuration**

**Name**  
The name must be unique among all of your replication instances in the current AWS region.  
  
Replication instance name must not start with a numeric value

**Descriptive Amazon Resource Name (ARN) - optional**  
A friendly name to override the default DMS ARN. You cannot modify it after creation.

**Description**  
  
The description must only have unicode letters, digits, whitespace, or one of these symbols: \_:/=+-@. 1000 maximum character.

### 3. Choose source Endpoint.

The screenshot shows the AWS DMS Studio interface. On the left is a navigation sidebar with links to Dashboard, Database migration tasks, Replication instances, Endpoints (highlighted), Certificates, Subnet groups, Events, and Event subscriptions. Below these is a 'What's new' section with a badge showing '13' and a 'Notifications' link. The main content area is titled 'Endpoint type' with an 'Info' link. It contains two radio button options: 'Source endpoint' (selected) and 'Target endpoint'. The 'Source endpoint' option has a description: 'A source endpoint allows AWS DMS to read data from a database (on-premises or in the cloud), or from other data source such as Amazon S3.' Below this is a checkbox labeled 'Select RDS DB instance'. The 'Target endpoint' option has a description: 'A target endpoint allows AWS DMS to write data to a database, or to other data source.' Below the radio buttons is the 'Endpoint configuration' section, which includes an 'Endpoint identifier' field with the value 'zipcode1source' and a 'Descriptive Amazon Resource Name (ARN) - optional' field with the value 'A friendly name to override the default DMS ARN. You cannot modify it after creation.'

**Endpoint type** [Info](#)

☒ **Source endpoint**  
A source endpoint allows AWS DMS to read data from a database (on-premises or in the cloud), or from other data source such as Amazon S3.

☐ **Target endpoint**  
A target endpoint allows AWS DMS to write data to a database, or to other data source.

☐ Select RDS DB instance

**Endpoint configuration**

Endpoint identifier [Info](#)  
A label for the endpoint to help you identify it.

zipcode1source

Descriptive Amazon Resource Name (ARN) - *optional*  
A friendly name to override the default DMS ARN. You cannot modify it after creation.

### 4. Go to RDS, Select Database, Copy that Endpoint port and past it into server name and port.

The screenshot shows the AWS Management Console for the 'Amazon RDS' service. The left sidebar contains links to Dashboard, Databases (highlighted), Query Editor, Performance insights, Snapshots, Automated backups, Reserved instances, Proxies, Subnet groups, Parameter groups, Option groups, Custom Availability Zones, and Custom engine versions. The main content area is titled 'Connectivity & security' and is divided into three columns: 'Endpoint & port', 'Networking', and 'Security'. The 'Endpoint & port' column shows the 'Endpoint' as 'mydb2.cluster-c6zrxn6sqrc.us-east-1.rds.amazonaws.com' and the 'Port' as '3306'. The 'Networking' column shows the 'VPC' as 'vpc-e1614484', the 'Subnet group' as 'default-vpc-e1614484', and a list of 'Subnets' including 'subnet-640db04f', 'subnet-f51f3bcf', 'subnet-7ef06527', and 'subnet-f3fd8a84'. The 'Security' column shows the 'VPC security groups' as 'mySecurityGrpName (sg-0a648d552a48a104b)' and a status of 'Active'.

**Amazon RDS** [×](#)

**Connectivity & security** [Monitoring](#) [Logs & events](#) [Configuration](#) [Maintenance & backups](#) [Tags](#)

**Connectivity & security**

Endpoint & port	Networking	Security
<b>Endpoint</b> mydb2.cluster-c6zrxn6sqrc.us-east-1.rds.amazonaws.com	<b>VPC</b> vpc-e1614484	<b>VPC security groups</b> mySecurityGrpName (sg-0a648d552a48a104b)
<b>Port</b> 3306	<b>Subnet group</b> default-vpc-e1614484	<b>Active</b>
	<b>Subnets</b> subnet-640db04f subnet-f51f3bcf subnet-7ef06527 subnet-f3fd8a84	

## 5. Give the required credentials

The screenshot shows the 'Amazon Aurora MySQL' endpoint configuration page in the AWS Management Console. The left sidebar contains navigation links: DMS Studio (Preview), Dashboard, Database migration tasks, Replication instances, Endpoints (highlighted), Certificates, Subnet groups, Events, Event subscriptions, What's new (13), and Notifications. The main content area is titled 'Amazon Aurora MySQL' and includes the following fields:

- Access to endpoint database:** Two radio buttons. 'AWS Secrets Manager' is unselected, and 'Provide access information manually' is selected.
- Server name:** A text box containing 'mydb2.cluster-c6zrxn6sqrc.us-east-1.rds.amazonaws.com'.
- Port:** A text box containing '3306'.
- Secure Socket Layer (SSL) mode:** A dropdown menu set to 'none'.
- User name:** A text box containing 'admin'.
- Password:** A text box with masked characters (dots).
- Endpoint settings:** A section header with a right-pointing arrow.
- KMS key:** A section header with a right-pointing arrow.

Create the Endpoint.

## 6. Click on Target endpoint.

The screenshot shows the 'zipcode1target' target endpoint configuration page in the AWS Management Console. The left sidebar is identical to the previous screenshot, with 'Endpoints' highlighted. The main content area is titled 'zipcode1target' and includes the following fields:

- Descriptive Amazon Resource Name (ARN) - optional:** A text box with placeholder text 'Friendly-ARN-name'.
- Target engine:** A dropdown menu set to 'Amazon S3'.
- Service access role ARN:** A text box containing 'arn:aws:iam::954554338883:role/adminRoleforRDSInstance'.
- Bucket name:** A text box containing 'training-labtarget1'.
- Bucket folder:** A text box containing 'zip'.

## 7. Create Data Migration Task

The screenshot displays the AWS Management Console interface for creating a database migration task. The top navigation bar includes the AWS logo, a search bar with 's3', and user information for 'arjun.shashank@kplpartners.com' in the 'N. Virginia' region. The left sidebar shows the 'DMS Studio' menu with a 'Preview' link, and a list of navigation items: Dashboard, Database migration tasks (highlighted), Replication instances, Endpoints, Certificates, Subnet groups, Events, and Event subscriptions. Below these are 'What's new' (13 items) and 'Notifications'.

The main content area is titled 'Create database migration task' and contains a 'Task configuration' section with the following fields:

- Task identifier:** A text input field containing 'zipcodeTask'.
- Descriptive Amazon Resource Name (ARN) - optional:** A text input field with the placeholder 'Friendly-ARN-name'. A note below states: 'A friendly name to override the default DMS ARN. You cannot modify it after creation.'
- Replication instance:** A dropdown menu showing 'arjzipcode - vpc-e1614484'.
- Source database endpoint:** A dropdown menu showing 'zipcode1source'.