

RDS AND DMS

Connect to database

The screenshot shows the Amazon RDS console with the 'Connect to database' dialog box open. The dialog box has a close button (X) in the top right corner. It contains the following fields and buttons:

- Database instance or cluster:** A dropdown menu with 'mydb2' selected.
- Database username:** A dropdown menu with 'admin' selected. A 'Delete' button is next to it.
- Database password:** A text input field with masked characters (dots).
- Enter the name of the database or schema - (optional):** A text input field with the placeholder text 'Enter database or schema name'.
- Query statement terminator:** A dropdown menu with ';' selected.
- Buttons:** 'Cancel' (grey), 'Connect to database' (orange), and 'Change database' (grey).

Background text in the dialog box: "You need to choose a database and enter the database credentials to use the query editor. We will be storing your credentials and the connection in the AWS Secrets Manager service. [Learn more](#)"

1.Create database

The screenshot shows the Amazon RDS console with the 'Query Editor' interface open. The interface has a sidebar on the left with the following menu items: Dashboard, Databases, Query Editor (highlighted), Performance insights, Snapshots, Automated backups, Reserved instances, Proxies, Subnet groups, Parameter groups, Option groups, Custom Availability Zones, and Custom engine versions. The main area has tabs for 'Editor', 'Recent', and 'Saved queries'. The 'Editor' tab is active, showing a SQL query editor with the following code:

```
1 create database mounisha_db;
2
3 --use mouni_db;
4
5 --create table mouni_db.staff(Name varchar(20),age int,address varchar(20),subject varchar(20));
```

At the bottom of the editor, there are buttons for 'Run' (orange), 'Save' (grey), 'Clear' (grey), and 'Change database' (grey).

Amazon RDS

Dashboard

Databases

Query Editor

Performance insights

Snapshots

Automated backups

Reserved instances

Proxies

Subnet groups

Parameter groups

Option groups

Custom Availability Zones

Custom engine versions

1--create database mounisha_db;

2

3use mounisha_db;

4

5--create table mouni_db.staff(Name varchar(20),age int,address varchar(20),subject varchar(20));

Run

Save

Clear

Change database

Output

Statements (1)

Export to csv

Amazon RDS

Dashboard

Databases

Query Editor

Performance insights

Snapshots

Automated backups

Reserved instances

Proxies

Subnet groups

Parameter groups

Option groups

Custom Availability Zones

Custom engine versions

Run

Save

Clear

Change database

Output

Statements (1)

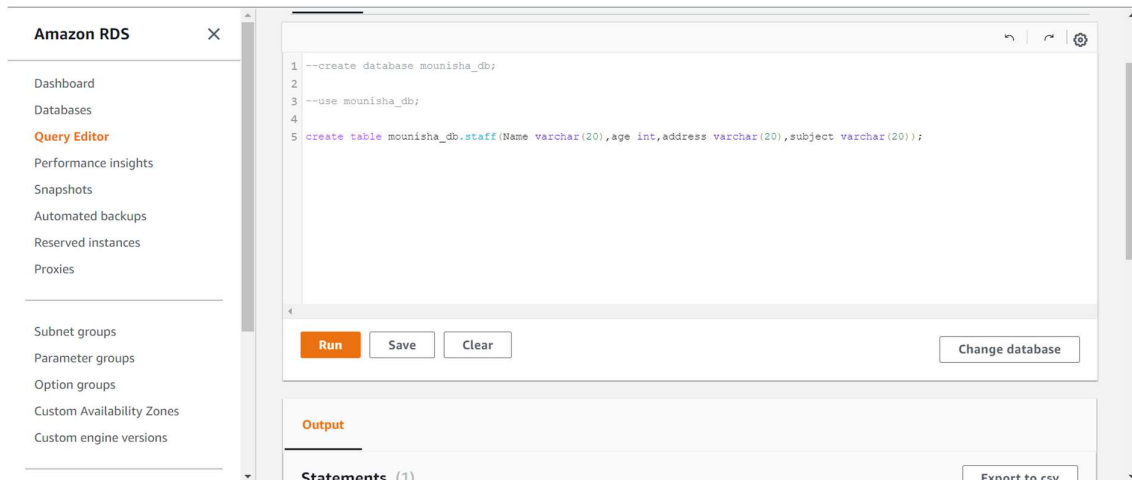
Export to csv

Search rows

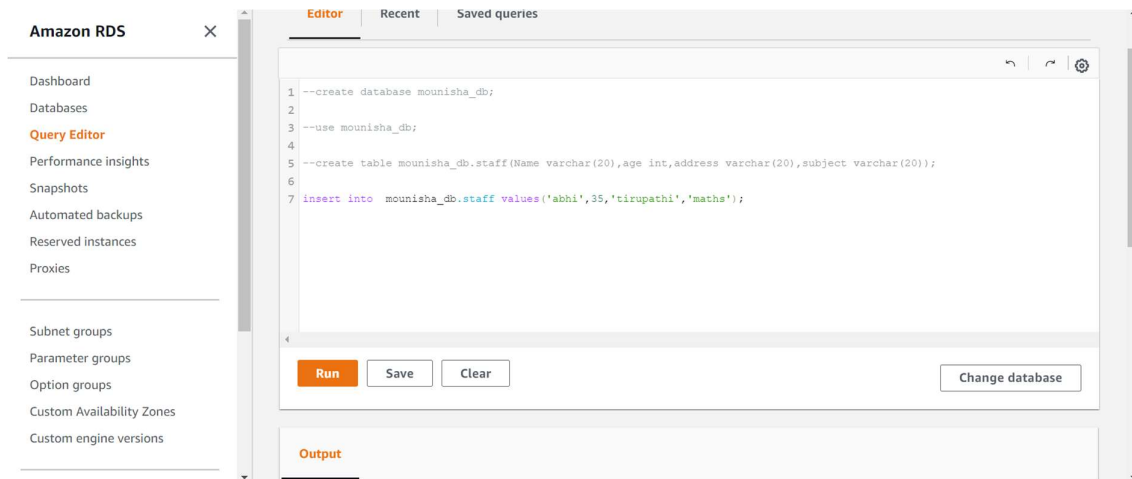
< 1 >

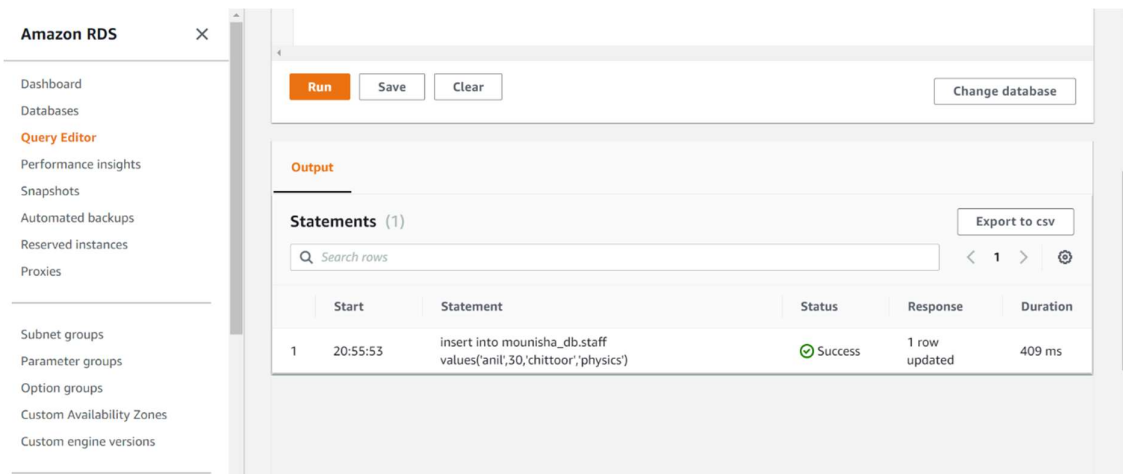
| | Start | Statement | Status | Response | Duration |
|---|----------|-----------------|---------|-----------------|----------|
| 1 | 20:19:50 | use mounisha_db | Success | no rows changed | 608 ms |

2. Create table



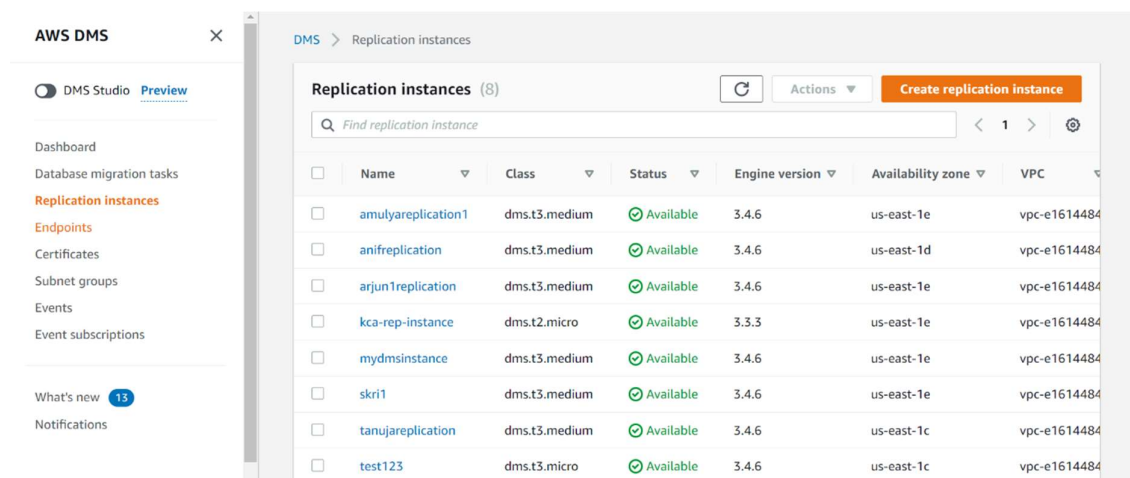
3. Insert values





Steps to create DMS:

1. choose Replication Instance



2. Create Replication Instance.

AWS DMS ×

DMS > Replication instances > Create replication instance

Create replication instance

Replication instance configuration

Name
The name must be unique among all of your replication instances in the current AWS region.
mounishareplication
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.
Friendly-ARN-name

Description
Type a short description for your replication instance
The description must only have unicode letters, digits, whitespace, or one of these symbols: _/!+=@. 1000 maximum character.

Instance class [Info](#)

3. Choose Endpoint.

AWS DMS ×

DMS > Endpoints > Create endpoint

Create endpoint

Endpoint configuration

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

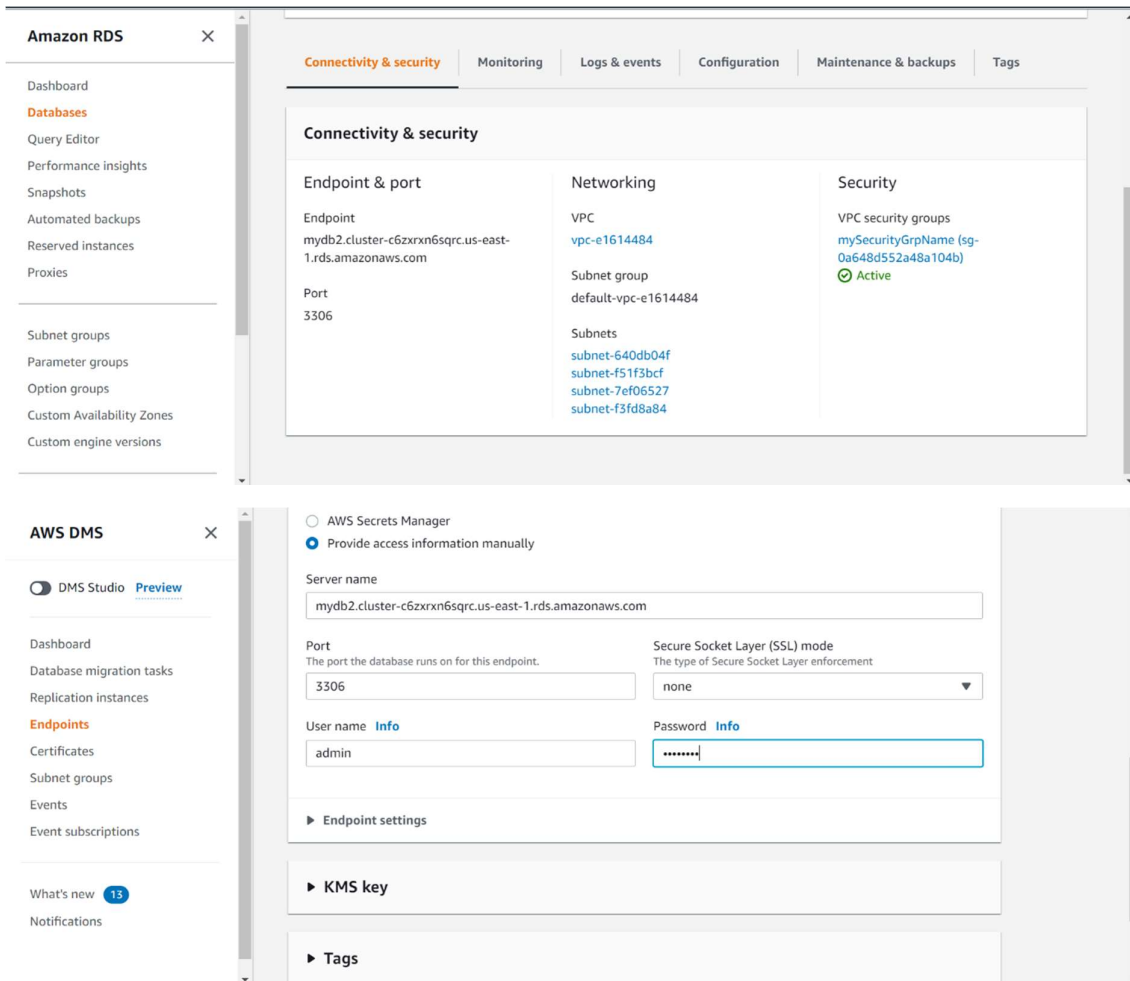
Descriptive Amazon Resource Name (ARN) - optional
A friendly name to override the default DMS ARN. You cannot modify it after creation.
Friendly-ARN-name

Source engine
The type of database engine this endpoint is connected to.
Amazon Aurora MySQL

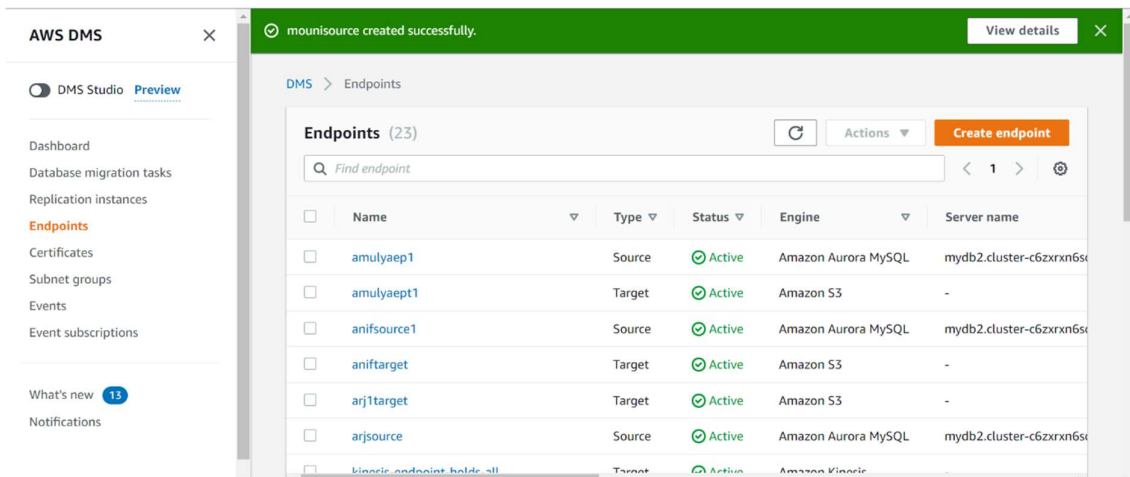
Access to endpoint database
☐ AWS Secrets Manager
☒ Provide access information manually

Server name
myddb2.cluster-c6zrxn6sarc.us-east-1.rds.amazonaws.com

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



5. Create the Endpoint.



6. Click on Target endpoint.

AWS DMS

DMS Studio **Preview**

Dashboard

Database migration tasks

Replication instances

Endpoints

Certificates

Subnet groups

Events

Event subscriptions

What's new **13**

Notifications

DMS > Endpoints > Create endpoint

Create endpoint

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.

7. Create Endpoint identifier, Select target engine as **Amazon S3**, Create endpoint.

AWS DMS

DMS Studio **Preview**

Dashboard

Database migration tasks

Replication instances

Endpoints

Certificates

Subnet groups

Events

Event subscriptions

What's new **13**

Notifications

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

mounitarget

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

Friendly-ARN-name

Target engine
The type of database engine this endpoint is connected to.

Amazon S3

Service access role ARN
Role that can access target

arn:aws:iam::954554338883:role/adminRoleforRDSInstance

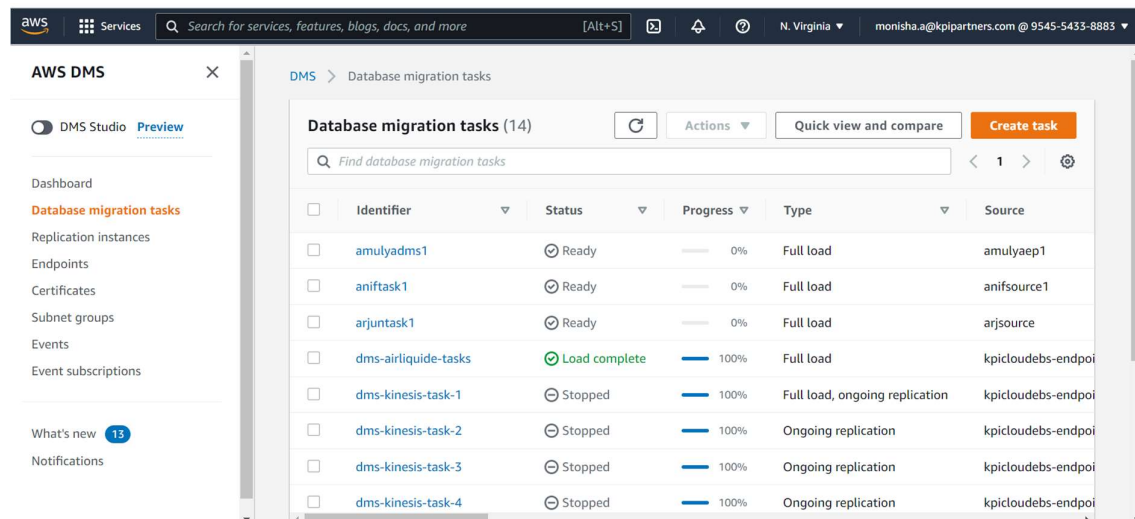
Bucket name
The name of an Amazon S3 bucket where DMS will read the files from

training-labtarget1

Bucket folder
The Amazon S3 bucket path where the CSV files can be found

Airport

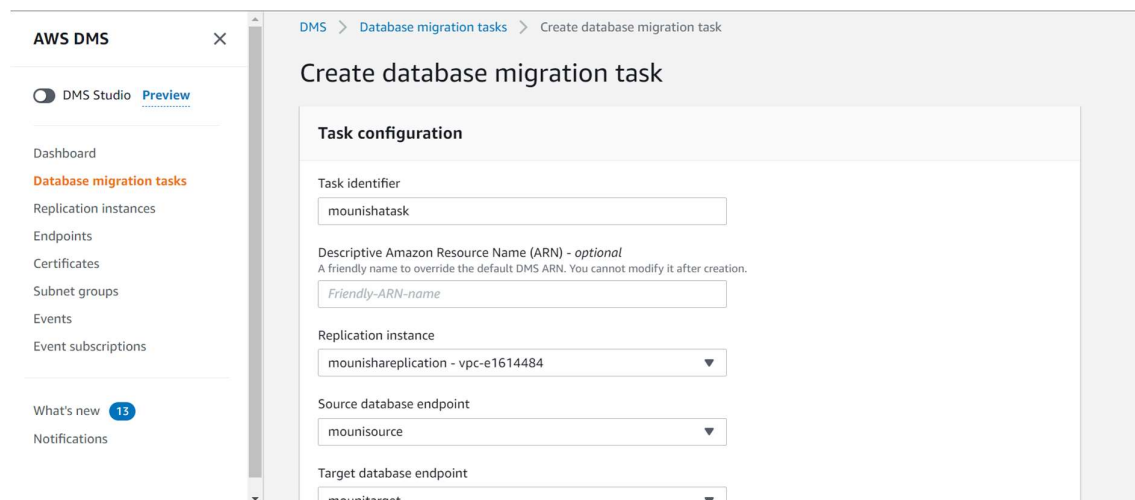
8. Choose Database migration tasks, Create task.



The screenshot shows the AWS DMS console interface. On the left is a navigation sidebar with options like 'DMS Studio', 'Dashboard', 'Database migration tasks', 'Replication instances', 'Endpoints', 'Certificates', 'Subnet groups', 'Events', 'Event subscriptions', 'What's new', and 'Notifications'. The main panel is titled 'Database migration tasks (14)' and contains a search bar and a table of tasks.

| Identifier | Status | Progress | Type | Source |
|----------------------|---------------|----------|--------------------------------|-----------------|
| amulyadms1 | Ready | 0% | Full load | amulyaep1 |
| aniftask1 | Ready | 0% | Full load | anifsource1 |
| arjuntask1 | Ready | 0% | Full load | arjsource |
| dms-airliquide-tasks | Load complete | 100% | Full load | kpclouds-endpoi |
| dms-kinesis-task-1 | Stopped | 100% | Full load, ongoing replication | kpclouds-endpoi |
| dms-kinesis-task-2 | Stopped | 100% | Ongoing replication | kpclouds-endpoi |
| dms-kinesis-task-3 | Stopped | 100% | Ongoing replication | kpclouds-endpoi |
| dms-kinesis-task-4 | Stopped | 100% | Ongoing replication | kpclouds-endpoi |

9. Create Datamigration Task, Select Replication instance, Select source datababse endpoint, select target database endpoint.



The screenshot shows the 'Create database migration task' configuration page in the AWS DMS console. The page is titled 'Create database migration task' and contains a 'Task configuration' section with the following fields:

- Task identifier: mounishatask
- Descriptive Amazon Resource Name (ARN) - optional: Friendly-ARN-name
- Replication instance: mounishareplication - vpc-e1614484
- Source database endpoint: mounisource
- Target database endpoint: mounitarget

AWS DMS

DMS Studio

Preview

Dashboard

Database migration tasks

Replication instances

Endpoints

Certificates

Subnet groups

Events

Event subscriptions

What's new

13

Notifications

| Task name | Status | Progress | Load type | Source |
|--|-----------------|----------|--------------------------------|-------------------|
| <input type="checkbox"/> dms-airliquide-tasks | ✔ Load complete | 100% | Full load | kpcloudbs-endpoi |
| <input type="checkbox"/> dms-kinesis-task-1 | ⊖ Stopped | 100% | Full load, ongoing replication | kpcloudbs-endpoi |
| <input type="checkbox"/> dms-kinesis-task-2 | ⊖ Stopped | 100% | Ongoing replication | kpcloudbs-endpoi |
| <input type="checkbox"/> dms-kinesis-task-3 | ⊖ Stopped | 100% | Ongoing replication | kpcloudbs-endpoi |
| <input type="checkbox"/> dms-kinesis-task-4 | ⊖ Stopped | 100% | Ongoing replication | kpcloudbs-endpoi |
| <input type="checkbox"/> dms-psft-extract | ✔ Load complete | 100% | Full load | kpcloudpsft-endpo |
| <input type="checkbox"/> kca-dms-incremental | ❌ Failed | 100% | Ongoing replication | kpcloudbs-endpoi |
| <input type="checkbox"/> kpcloudbsreplication-full | ✔ Load complete | 100% | Full load | kpcloudbs-endpoi |
| <input type="checkbox"/> kpcloudbsreplication-incr | ⊖ Stopped | 100% | Ongoing replication | kpcloudbs-endpoi |
| <input type="checkbox"/> mounishatask | ✔ Ready | 0% | Full load | mounisource |
| <input type="checkbox"/> mydbinstancetask | ✔ Ready | 0% | Full load | source |
| <input type="checkbox"/> tanujatask | ✔ Ready | 0% | Full load | tanujasource |