

# Redshift Cross-Region Data Sharing

1. From the producer cluster's Datashares tab, create a database connection to current cluster.

Datashares created in my namespace [Info](#)

Create a datashare and share it with other namespaces and [AWS](#) accounts.

Delete

Edit

Create data set on [AWS](#) Data Exchange [↗](#)

Create datashare

Q Search

Any datashare status

▼

<

1

>

<input type="checkbox"/>	Datashare name	▲	Producer namespace	▼	Source database	▼	Publicly accessible	▼	Type	▼	Datashare status
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You don't have a database connection. To view datashares, connect to a database.

Connect to database

2. Create a datashare in the producer cluster.

Datashares created in my namespace [Info](#)

Create a datashare and share it with other namespaces and [AWS](#) accounts.

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Edit

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Create datashare

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Any datashare status

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<

1

>

<input type="checkbox"/>	Datashare name	▲	Producer namespace	▼	Source database	▼	Publicly accessible	▼	Type	▼	Datashare status
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No datashare

You don't have any datashares in this namespace.

Datashare information

Datashare type

☒ Datashare

Select this option to target an account or namespace to share your data.

☐ [AWS](#) Data Exchange datashare

Select this option to license your data by using [AWS](#) Data Exchange.

Datashare name

You can't change the datashare name after the datashare is created.

cluster\_singapore

Datashare name must begin with a letter, must contain only [ASCII](#) letters, digits, or underscore and must not end with an underscore or contain two consecutive underscores.

Database name

Choose the database that you want to create the datashare from. You can't change the database name after the datashare is created.

dev

▼

Publicly accessible [Info](#)

Turn on or off sharing your datashare to publicly accessible namespaces.

☐ Turn on

Publicly accessible data consumers can query your datashare and receive data.

☒ Turn off

If a publicly accessible data consumer queries your datashare, the query is denied.

Add datashare objects

Schema

Choose a schema to add to the datashare.

dev

Object types

Choose which types of objects to add to the schema. If you don't specify object type, only the schema will be added.

Choose object types

Tables and views

Add objects

☒ Add all existing objects of chosen object types from schema

Choose which object types to include above.

☐ Add specific objects from schema

Choose which object types to include above, and choose specific tables, views and user-defined functions below.

1 schema, 1 tables and views, 0 user-defined functions selected

Cancel

Add and repeat

Add

Data consumers

Info

Add data consumers to the datashare. Data consumers can be namespaces or [AWS](#) accounts. You can add data consumers at any time by editing a datashare. [Learn more](#)

☐ Add namespaces to the datashare

A namespace is a globally unique identifier (GUID) for an Amazon Redshift cluster or serverless endpoint.

Namespace IDs

Choose namespaces

☐ Add [AWS](#) accounts to the datashare

The [AWS](#) account number is a 12-digit ID for the [AWS](#) account.

Cancel

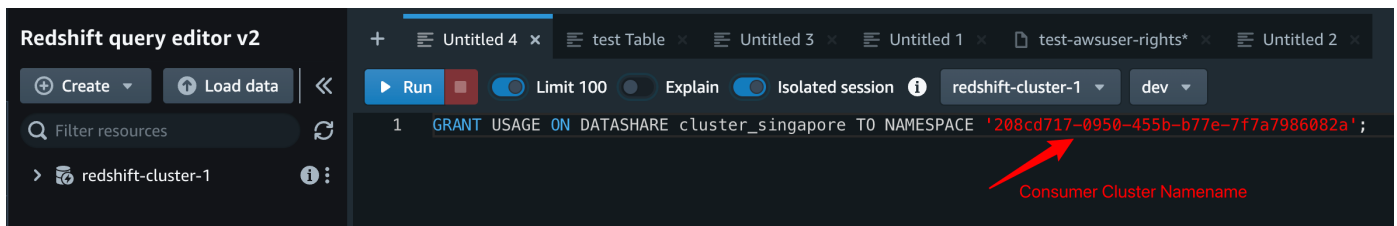
Save changes

3. Check the consumer's cluster namespace, e.g. 208cd717-0950-455b-b77e-7f7a7986082a .

Cluster identifier redshift-cluster-tokyo	Status Available	Node type ra3.4xlarge	Endpoint redshift-cluster-tokyo.ca84onnbwnlw.a...
Cluster namespace 208cd717-0950-455b-b77e-7f7a7986082a	Date created February 24, 2023, 16:44 (UTC+08:00)	Number of nodes 2	JDBC URL jdbc:redshift://redshift-cluster-tokyo.ca...
Cluster configuration Production	Storage used 0.00% (0.00 of 256 TB used)		ODBC URL Driver={Amazon Redshift (x64)}; Server...
	Multi-AZ No		

4. In the producer cluster's namespace, run following command to grant datashare to consumer cluster.

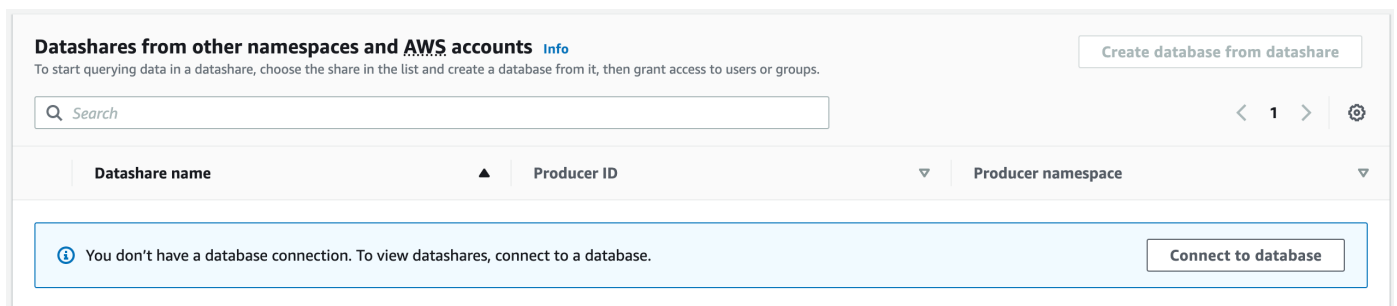
```
1 GRANT USAGE ON DATASHARE cluster_singapore TO NAMESPACE
   'CONSUMER_CLUSTER_NAMESPACE';
```



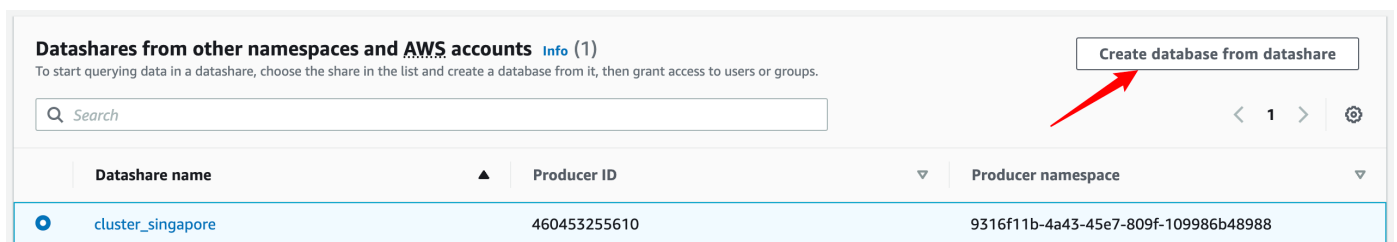
5. Take note of the **Producer namespace** of the newly created datashare. Note: If the datashare is shared, the status will show as "Shared".

Datashares created in my namespace <a href="#">Info</a> (1)							<a href="#">Delete</a> <a href="#">Edit</a> <a href="#">Create data set on <a href="#">AWS</a> Data Exchange</a> <a href="#">Create datashare</a>	
<input type="text" value="Search"/>							Any datashare status <span>▼</span>	
							< 1 > <span>⚙️</span>	
<input type="checkbox"/>	Datashare name	Producer namespace	Source database	Publicly accessible	Type	Datashare status		
<input type="checkbox"/>	cluster_singapore	9316f11b-4a43-45e7-809f-109986b48988	dev	Disabled	Datashare	✔ Shared		

6. From the consumer cluster, create a database connection to current cluster (itself).



7. The datashare from producer cluster is shown in the list. Create a database from it.



## Create database from datashare

To start querying data in the datashare, create a database from the datashare.

Datashare name

cluster\_singapore

Namespace

redshift-cluster-tokyo

Database name

Enter a name for your new database.

shared

Cancel

Create

8. Examine the share database in the consumer cluster.

