Data Share Setup Guide

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Prerequisites to Receive Data Share

1. An Azure Subscription is required to accept the Data Share invitation
2. Azure Active Directory has to be set up with the email address which will receive the data share
3. Configure a Data Service for the target, like storage or a database account

Registering Data Share Service

Register the Microsoft.DataShare resource provider in the Azure subscription where you'll create a Data Share resource and the Azure subscription where your target Azure data stores are located.

Follow these steps to register the Microsoft.DataShare resource provider into your Azure Subscription. You need **Contributor** access to the Azure subscription to register resource provider.
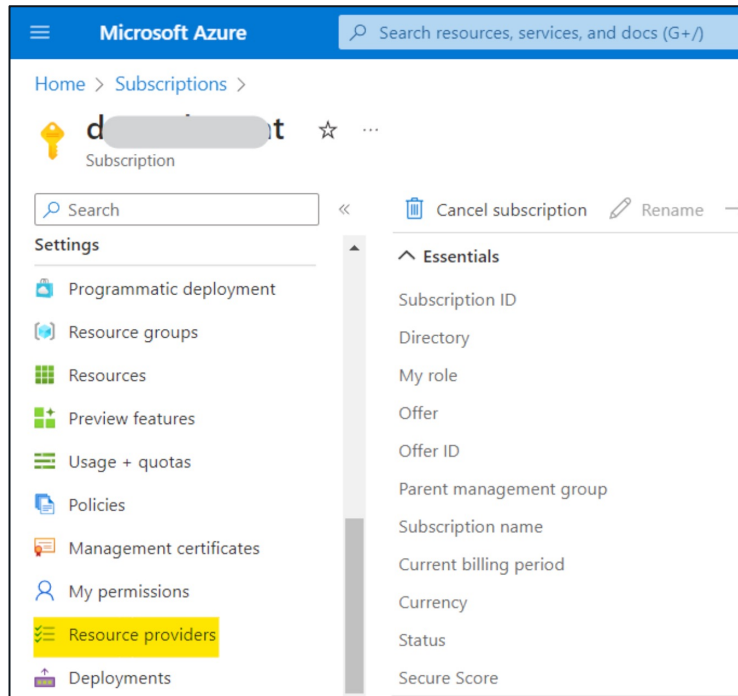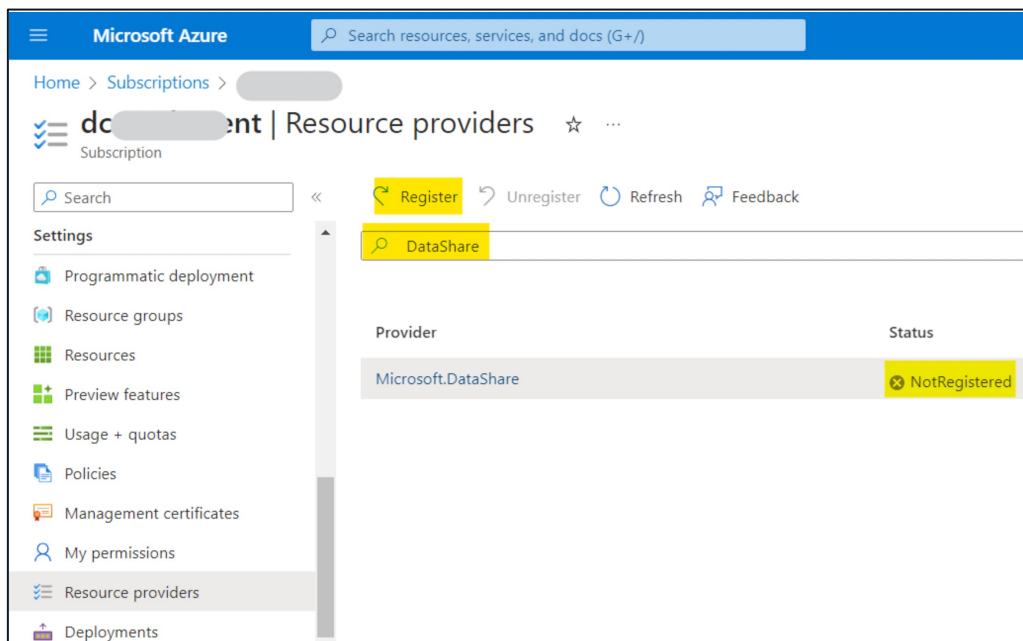
1. In the Azure portal, navigate to Subscriptions.
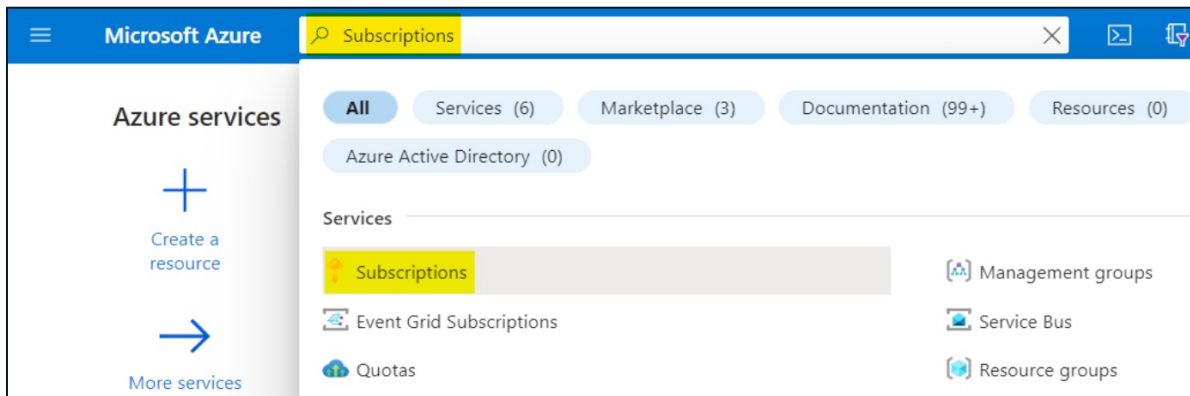
2. Select the subscription you're using for Azure Data Share.
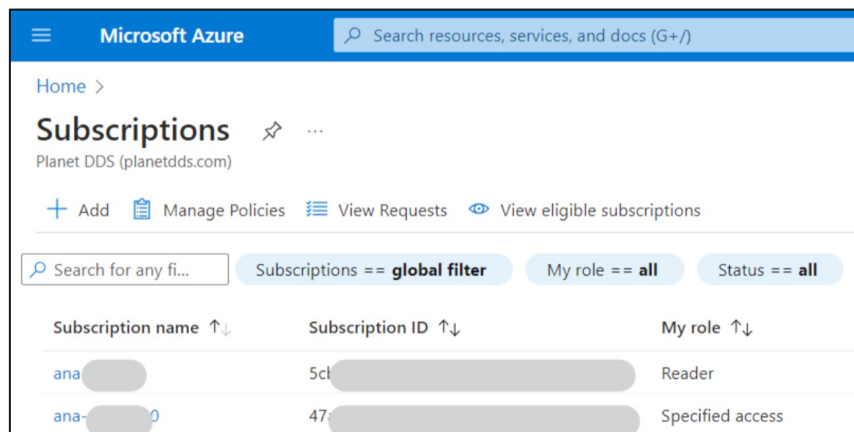
3. Select Resource Providers.
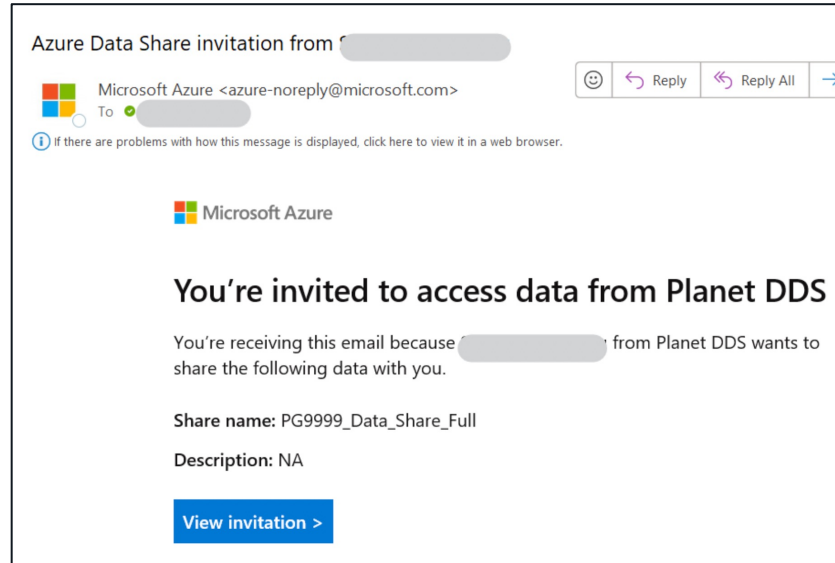

4. Search for Microsoft.Datashare.

5. Select Register.

Configuring the Data Share

1.   An invite for a Data Share will be sent to the email provided

2.   Clicking on View invitation will take you to the Data Share Invitations. Alternatively, you could also search for Data Share Invitations on the Azure Portal

3.   Click on the Invitation, PG9999_Data_Share_Full.
4.   Select Subscription, Resource Group

5. Click on Create New (for Data Share account)

6. Enter a name for the Data Share.
7. Select Subscription, Resource group and Location

8.   You should see the following screen after the Data Share instance is setup
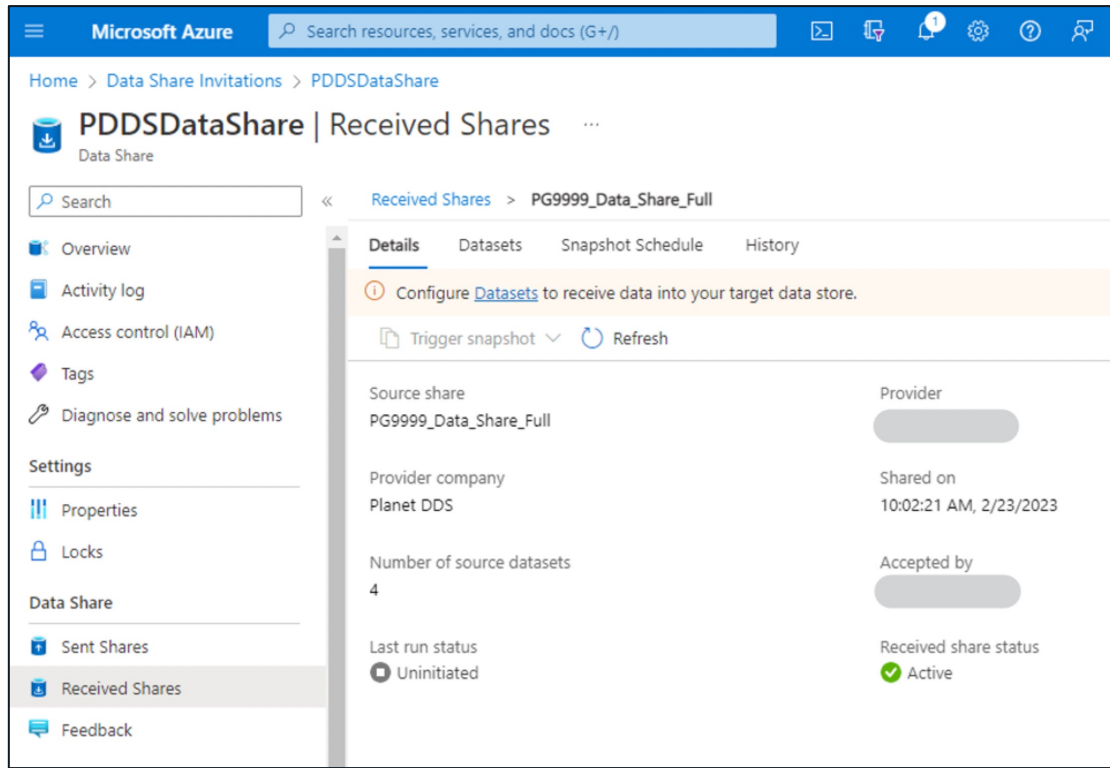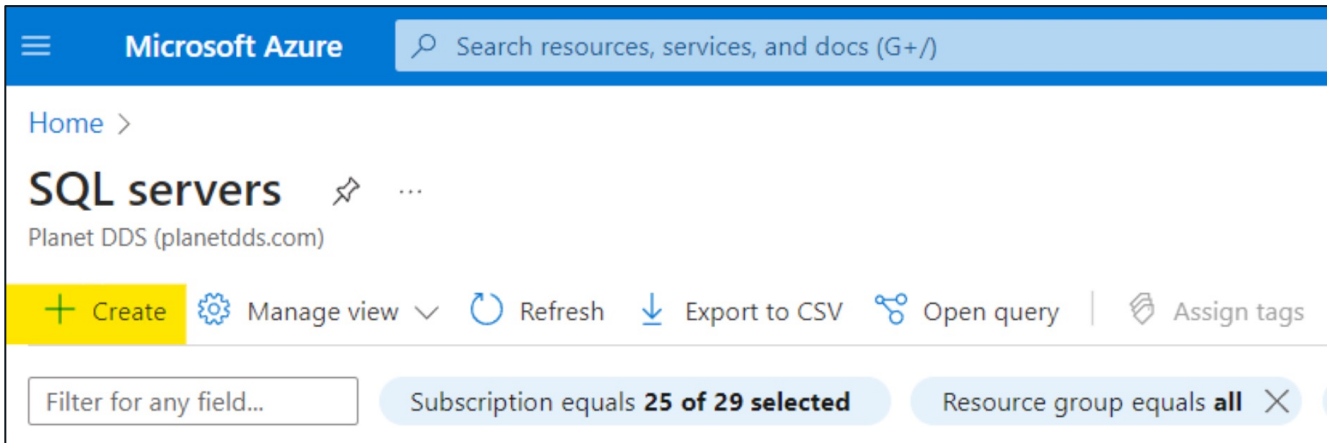

Configuring SQL Server

1.   On Azure Portal, Search and click on SQL Servers
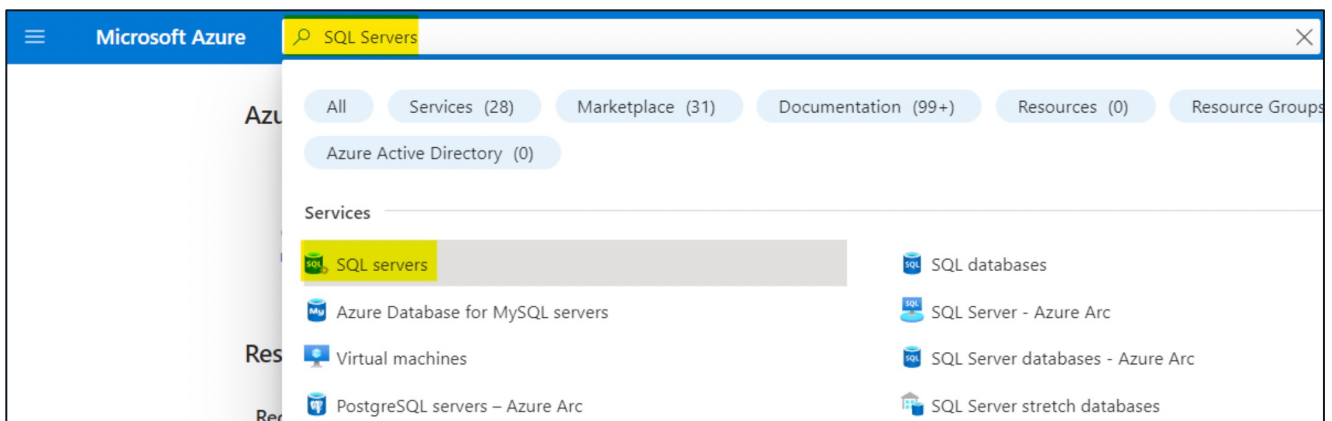
2. Click Create to create a new server

3. Enter the Subscription, Resource group, Server name and Location

4. Select the Authentication method according to your organization's policies.
5. Select both Azure AD and SQL authentication.

6. Click Review + Create.
7. When the SQL server is provisioned, configure the access by clicking on Networking.
Note: Consult with your networking team to follow your organization's policies

8. Click on Selected networks, Add your client IP address to access this server
9. Check Allow Azure services and resources to access this server
10. Click Save

Configuring Azure Database

1. Select the SQL Server
2. On the Overview tab, click Create database
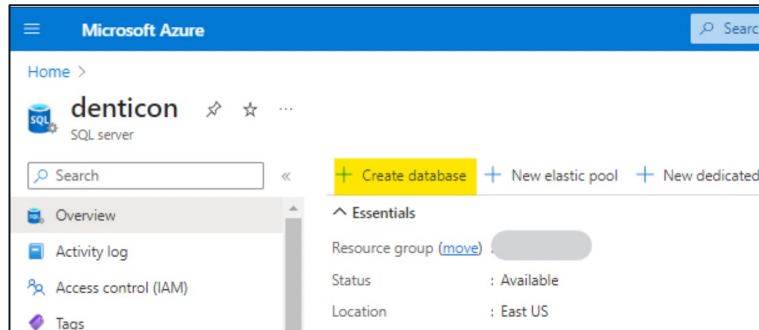
3. Select the Subscription, Resource group, Database name, Server

4. Select SQL elastic pool as No

5. Select Workload environment as Production

6. Select Backup storage redundancy, according to your organization's policies

7. Click on Configure database to select Compute + storage. Minimum required Gen5 Serverless, 4 vCores (see next screenshot to configure)

8. Click Review + Create after returning to this screen

9. Select General Purpose, Serverless.
10. Set Max vCores to 8
11. Check Enable auto-pause. Select 1 Hour
12. Database max size 50 GB minimum, 100 GB recommended
13. Click Apply

14. After the database is provisioned, click Go to resource

15.   Login with the appropriate authentication
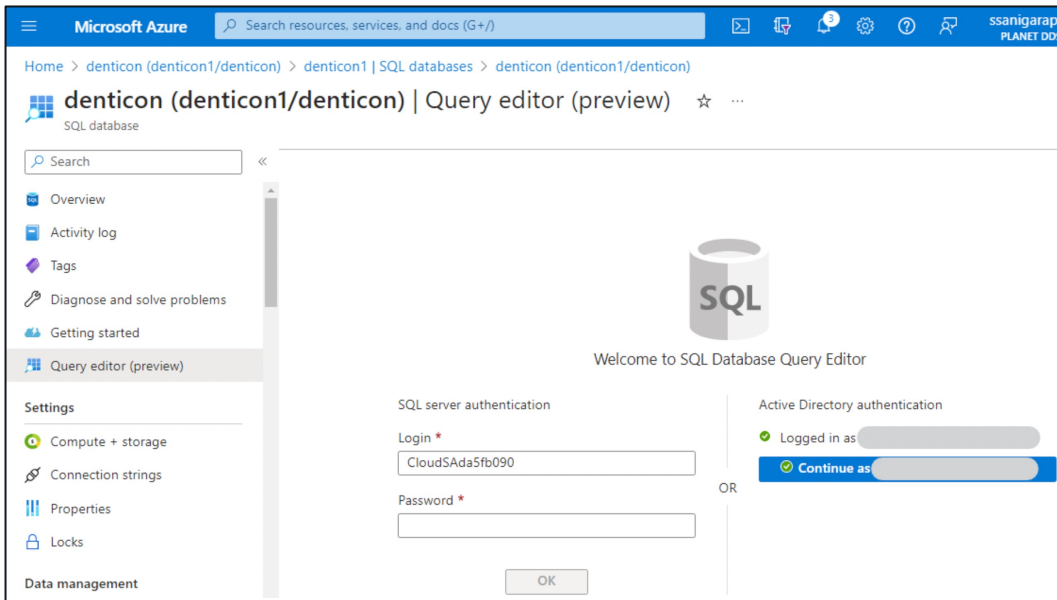
16.   Execute the query, in the Query editor, to grant the Data Share service access to the database. Replace with the Data Share service name created earlier (Data Share configuration, step 7)

```
create user "PDDSDataShare" from external provider;
exec sp_addrolemember db_datareader, "PDDSDataShare";
exec sp_addrolemember db_datawriter, "PDDSDataShare";
exec sp_addrolemember db_ddladmin, "PDDSDataShare";
```
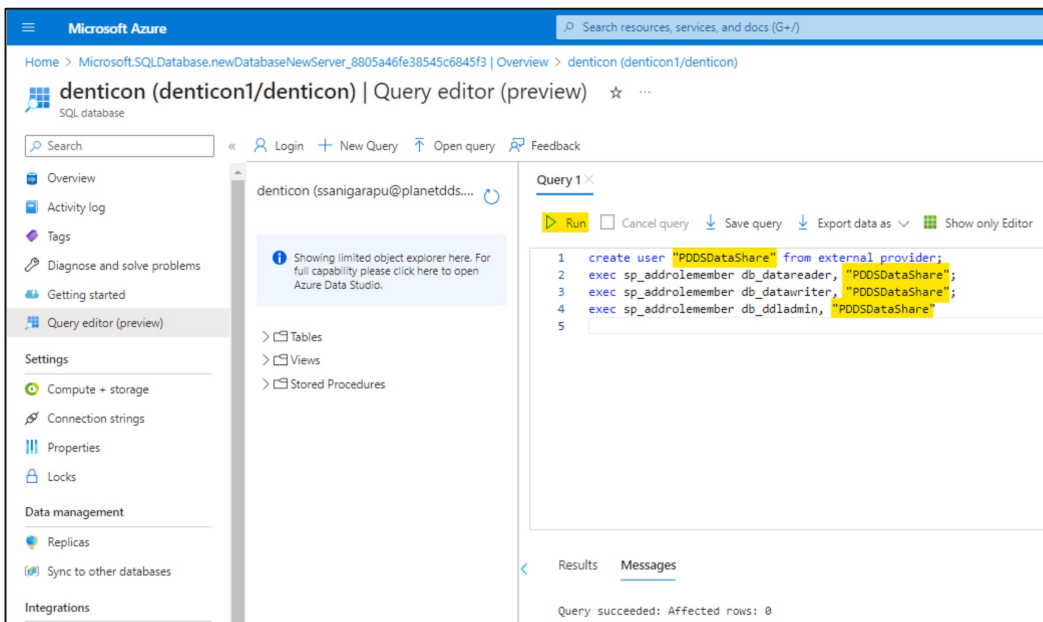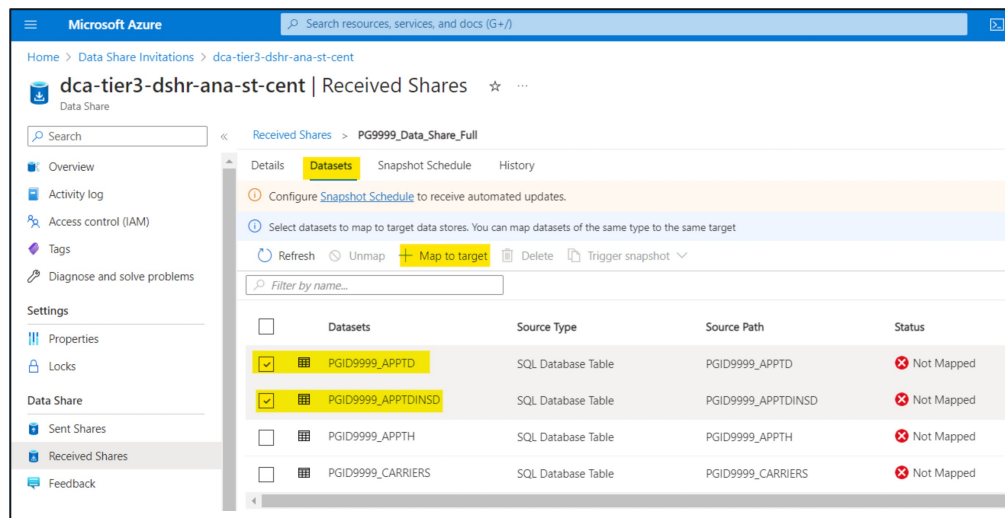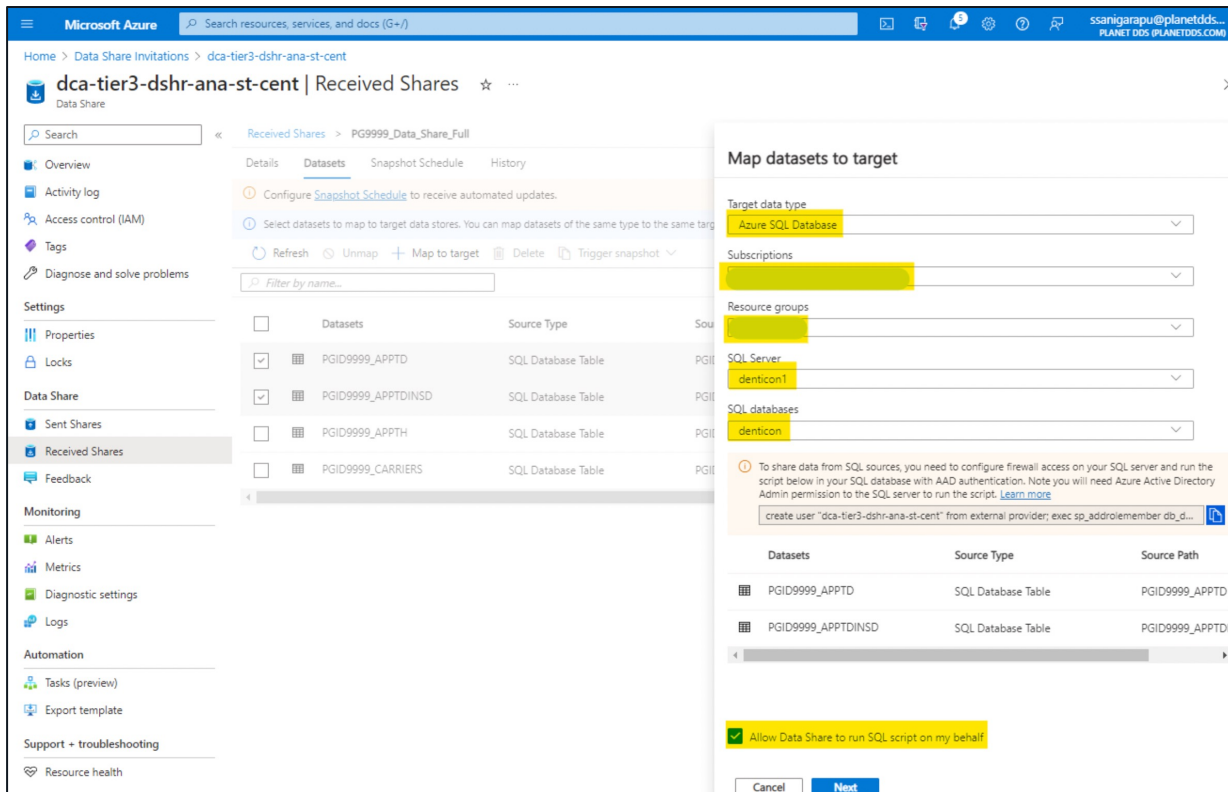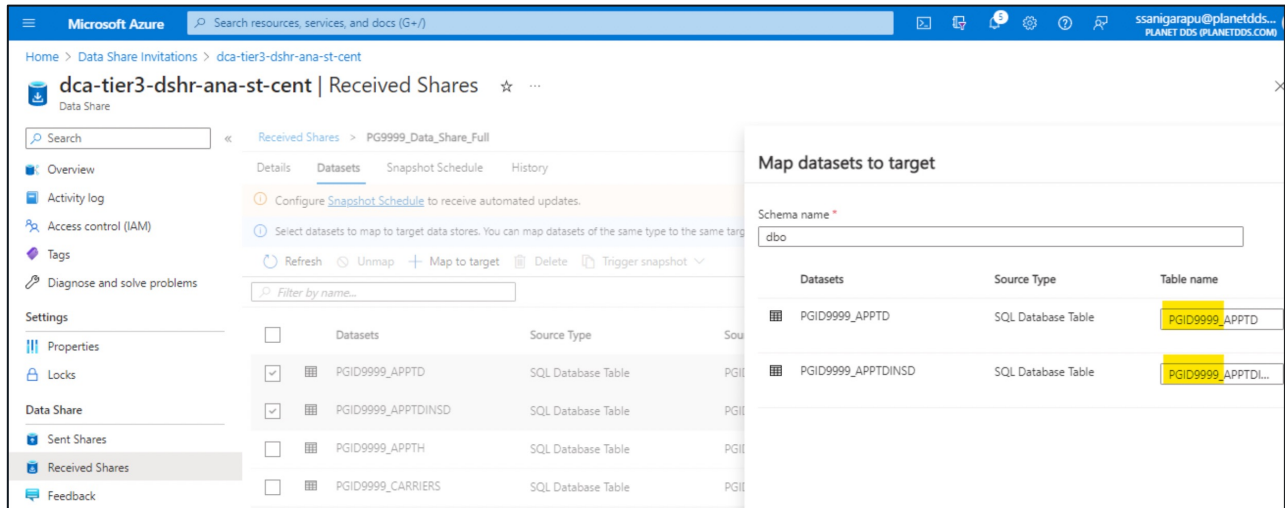
Mapping Datasets in Data Share to the Database

1. On the Azure portal, search for Data Share and go to the Data Share created earlier
2. Click on PG9999_Data_Share_Full
3. Click on Datasets
4. Check the first 2 Datasets and click Map to target

5. Select the database server and database, check Allow Data Share to run SQL script on my behalf

6. Edit the Table name to remove PGID9999 from each entry

7. Click Map to Target
8. When successfully mapped, map other datasets in the same way

Triggering the Snapshot

1. To start importing data to your database, click on full snapshot
2. Click History to see the status and previous runs
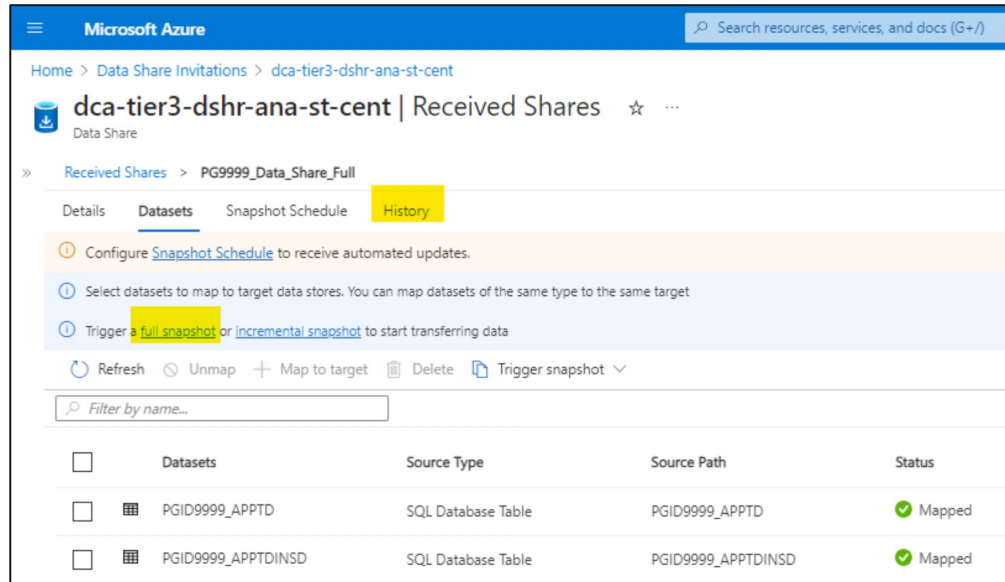
3. To enable the auto schedule, Select Snapshot Schedule
4. Check Daily
5. Click on Enable

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