Prepare for migration

The information below assumes you have completed the provisioning of your PostgresSQL Flexible server and have a working, available PostgreSQL database on Azure.

As mentioned in Migration tools, the ***AWS Schema Conversion Tool*** (SCT), and the ***AWS Database Migration Service*** (DMS) are the tools we have identified and tested to convert and migrate your database and its' data to *either* Cloud used by BNZ (Azure, or AWS).

In the examples below we use these tools to migrate a test DB2 LUW database from an on-premises Windows Server to an Azure PostgreSQL database. You can adapt this procedure to migrate your particular database to an AWS or Azure database.

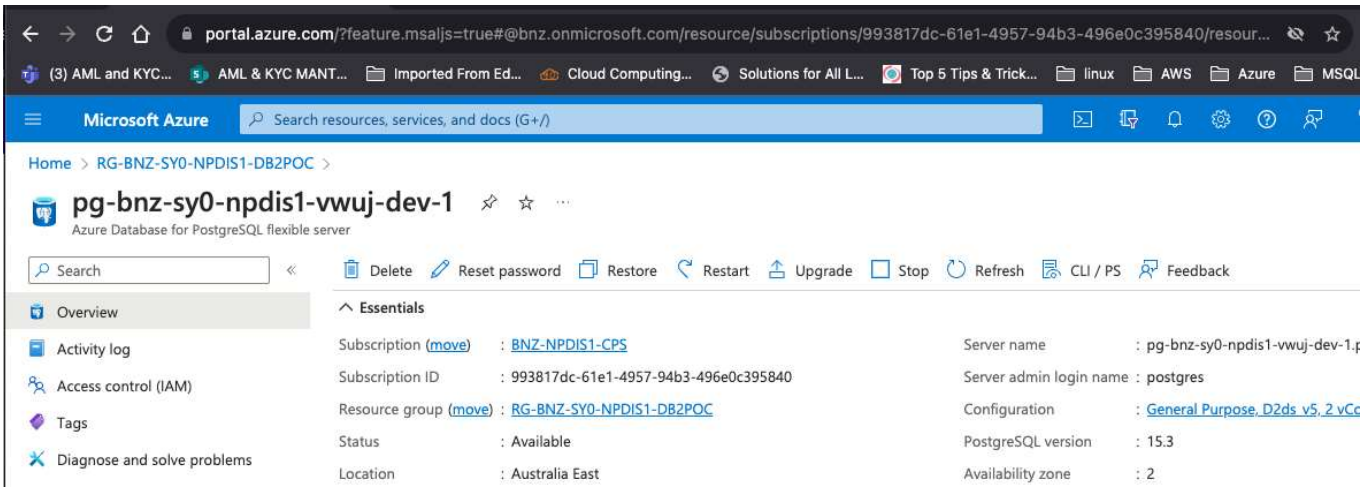
> **INFO**
>
> Note: you need to customise any settings shown in the examples to suit your database, Landing Zone, and credentials. Our example settings will not work for your database.

Firstly, set up your AWS environment and accesses

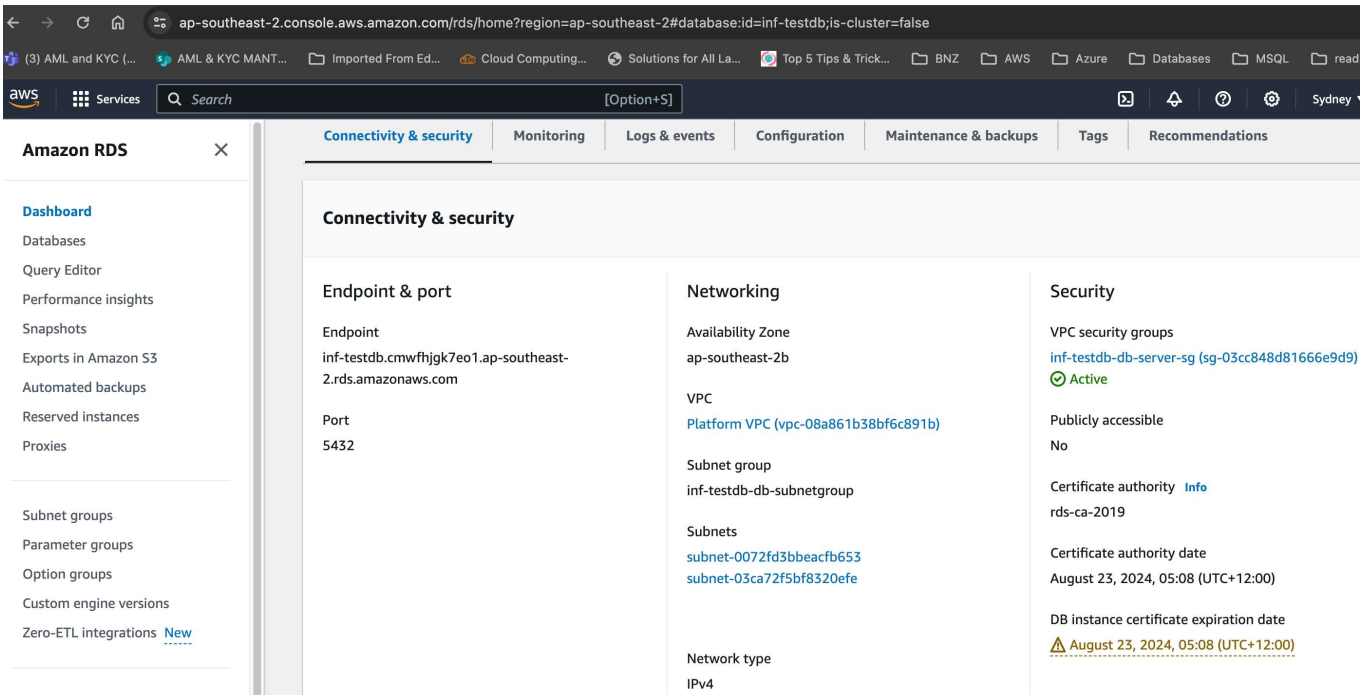
Item	information
To use DMS, you need an AWS logon and Account	Request AWS Account from AWS Cloud Team
Identify your Source database	The example uses our on-premises Windows Server (SWVTCDBSTG01)
Identify your Target (destination) database on the Cloud of your choice (AWS or Azure)	The example uses our test Azure PostgreSQL Flexible Server, pg-bnz-sy0-npdis1-vwuj-dev-1

Item	information
Firewall access to allow SCT and DMS to access the source and target databases	On Prem Service Request AWS Firewall Service Request Azure Firewall Service Request
Create a local account in the **source** database that can be used by SCT and DMS	This will require someone with database administrator privileges. In our example the DB2 DBAs do this.
Create a local account in the **target** database that can be used by SCT and DMS	This ID will need admin. access to create, update and delete database components and data

- Our example Azure *Target* database is on our test Azure PostgreSQL Flexible Server, pg-bnz-sy0-npdis1-vwuj-dev-1



- Our example AWS *Target* database is using our test AWS PostgreSQL database, inf-testdb



Next steps

AWS Schema Conversion Tool

Our examples are using DB2 LUW as our *Source* database, and PostgreSQL as the *Target* database. So we will use SCT to convert our database objects to the format used by PostgreSQL, such as lowercase Table names.

Database Migration Service

If we were using a database supported by DMS for object conversion, such as Microsoft SQL Server, or Oracle, we would be able to use DMS to migrate both our database ***and*** its data

Edit this page