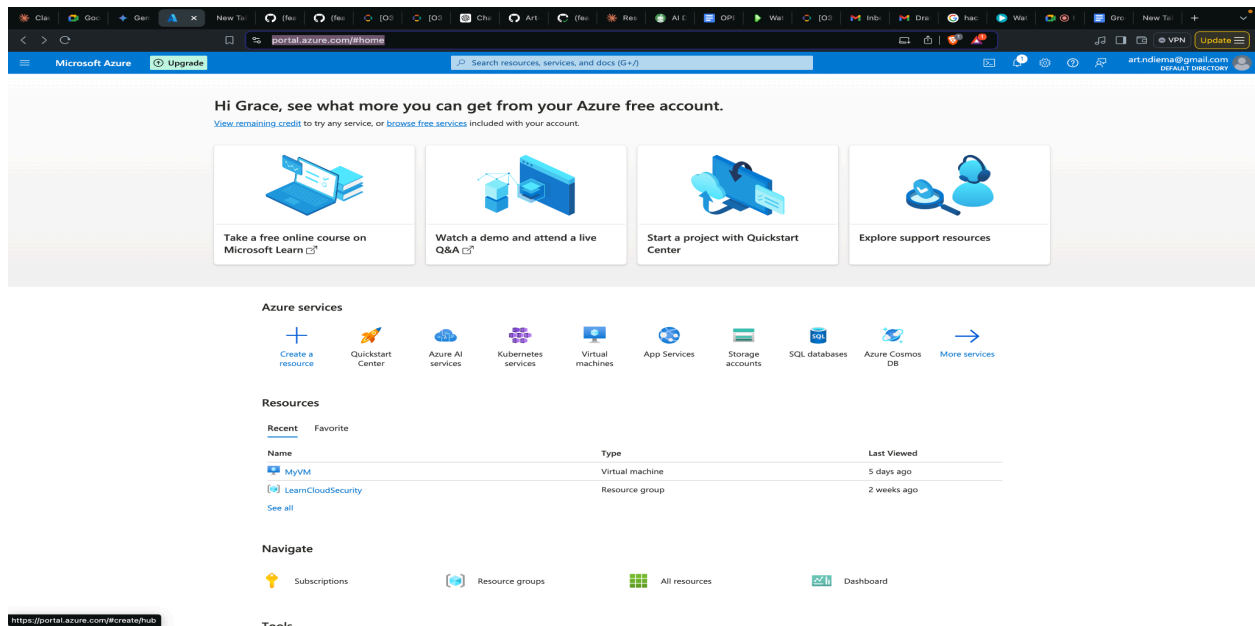
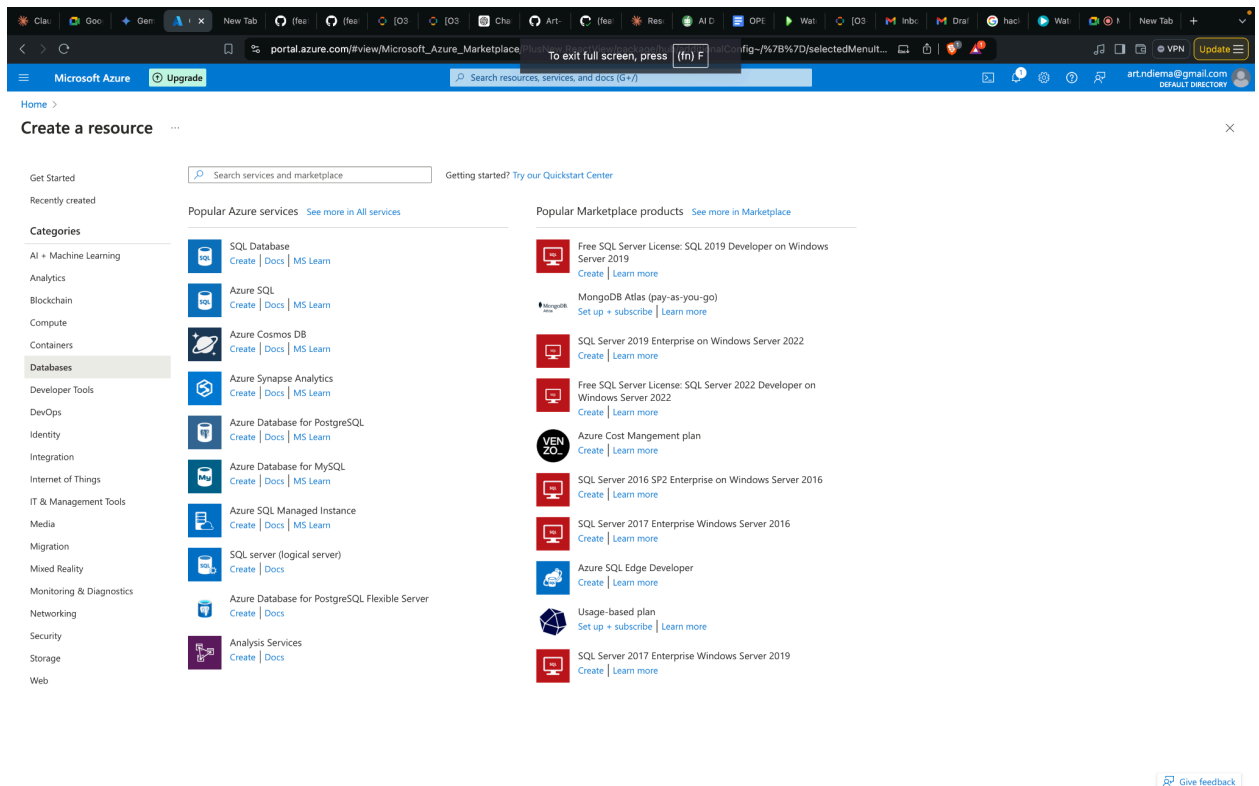


Open the Azure Portal.



1. Click on **create a Resource**
2. Under the category, select **Databases**



3. Then **create** SQL Databases

4. Move to the **project details** and **do step 1,2 and 3**

Microsoft Azure Upgrade

Home >

Create SQL Database

Microsoft

Create a SQL database with your preferred configurations. Complete the Basics tab then go to Review > Create to provision with smart defaults, or visit each tab to customize. [Learn more](#)

Want to try Azure SQL Database for free? Create a free serverless database with the first 100,000 vCore seconds, 32GB of data, and 32GB of backup storage free per month for the lifetime of the subscription. [Learn more](#)

Apply offer (Preview)

SQL Database Hyperscale: Low price, high scalability, and best feature set. [Learn more](#)

Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription * Azure subscription 1

Resource group * Select a resource group

[Create new](#) **step 1**

Database details

Enter required settings for this database, including picking a logical server and configuring the compute and storage resources

Database name * Enter database name **step 2**

Server * Select a server

[Create new](#) **step 3**

Want to use SQL elastic pool? ☐ Yes ☒ No

Workload environment

☒ Development

☐ Production

Default settings provided for Development workloads. Configurations can.

[Review > create](#) [Next: Networking >](#)

At step 3 Create a **database server**

Microsoft Azure Upgrade

Home > Create SQL Database >

Create SQL Database Server

Microsoft

Server details

Enter required settings for this server, including providing a name and location. This server will be created in the same subscription and resource group as your database.

Server name * group6test

Location * (Africa) South Africa North

Authentication

Azure Active Directory (Azure AD) is now Microsoft Entra ID. [Learn more](#)

Select your preferred authentication methods for accessing this server. Create a server admin login and password to access your server with SQL authentication, select only Microsoft Entra authentication [Learn more](#) or using an existing Microsoft Entra user, group, or application as Microsoft Entra admin [Learn more](#) or, or select both SQL and Microsoft Entra authentication.

Authentication method

☐ Use Microsoft Entra-only authentication

☐ Use both SQL and Microsoft Entra authentication

☒ Use SQL authentication

Server admin login * Grace

Password * *****

Confirm password * *****

Password and confirm password must match.

OK

Leave the rest under basics at default

The screenshot shows the 'Create SQL Database' page in the Azure portal, specifically the 'Basics' tab. The page is titled 'Create SQL Database' and includes a warning banner about changing basic options. The 'Database details' section contains the following fields and options:

- Database name:** test1
- Server:** (new) group6test (South Africa North)
- Want to use SQL elastic pool?** No
- Workload environment:** Development
- Compute + storage:** General Purpose - Serverless, Standard-series (Gen5), 1 vCore, 32 GB storage, zone redundant disabled
- Backup storage redundancy:** Geo-redundant backup storage

At the bottom, there are two buttons: 'Review + create' and 'Next: Networking >'. A warning message at the bottom states: 'Selected value for backup storage redundancy is Geo-redundant backup storage'.

Under **Networking**, select **Public endpoint**, allow azure services and resources to access this server and add current client IP address

The screenshot shows the 'Create SQL Database' page in the Azure portal, specifically the 'Networking' tab. The page is titled 'Create SQL Database' and includes a warning banner about changing basic options. The 'Networking' section contains the following fields and options:

- Network connectivity:** Public endpoint
- Firewall rules:** Setting 'Allow Azure services and resources to access this server' to Yes allows communications from all resources inside the Azure boundary, that may or may not be part of your subscription. Setting 'Add current client IP address' to Yes will add an entry for your client IP address to the server firewall.
- Allow Azure services and resources to access this server:** Yes
- Add current client IP address:** Yes
- Connection policy:** Default - Uses Redirect policy for all client connections originating inside of Azure (except Private Endpoint connections) and Proxy for all client connections originating outside Azure

At the bottom, there are three buttons: 'Review + create', '< Previous', and 'Next: Security >'. A cost summary box on the right shows the following details:

Cost summary	
General Purpose (GP_S_Gen5_1)	
Cost per GB (in USD)	0.15
Max storage selected (in GB)	x 41.6
ESTIMATED STORAGE COST / MONTH	6.41 USD
COMPUTE COST / VCORE SECOND	0.000194 USD

NOTES: 1. Storage databases are billed in vCore seconds based on a combination of CPU and memory utilization. Learn more about servability billing.

Under **Additional settings**, select **sample database**

The screenshot shows the 'Create SQL Database' wizard in the Azure portal, specifically the 'Additional settings' tab. The page is titled 'Create SQL Database' and includes a Microsoft logo. The navigation bar at the top shows 'Home >' and a close button. The main content area has tabs for 'Basics', 'Networking', 'Security', 'Additional settings' (selected), 'Tags', and 'Review + create'. Below the tabs, there is a section for 'Data source' with a description: 'Customize additional configuration parameters including collation & sample data.' Under 'Data source', there is a section 'Use existing data *' with three radio buttons: 'None', 'Backup', and 'Sample' (selected). Below this, it says 'AdventureWorksLT will be created as the sample database.' There is a section for 'Database collation' with a description: 'Database collation defines the rules that sort and compare data, and cannot be changed after database creation. The default database collation is SQL_Latin1_General_CP1_CI_AS. [Learn more](#)' and a text input field containing 'SQL_Latin1_General_CP1_CI_AS'. On the right side, there is a 'Cost summary' box with a SQL logo at the top. It lists 'General Purpose (GP_5_Gen5_1)' with 'Cost per GB (in USD)' as '0.15' and 'Max storage selected (in GB)' as 'x 41.6'. It also shows 'ESTIMATED STORAGE COST / MONTH' as '6.41 USD' and 'COMPUTE COST / VCORE SECOND' as '0.000194 USD'. A 'NOTES' section at the bottom of the cost summary states: 'Serverless databases are billed in vCore seconds based on a combination of CPU and memory utilization. [Learn more about serverless billing](#)'. At the bottom of the page, there are three buttons: 'Review + create' (highlighted in blue), '< Previous', and 'Next: Tags >'. The browser's address bar shows the URL: 'portal.azure.com/#view/SqlAzureExtension/SharedCreateServer/isNewServer~/true/subscriptionId/0b9c34c8-bd4c-4026-864...'.

Leave the rest of the fields at default then click on **create**

The screenshot shows the 'Create SQL Database' wizard in the Azure portal, specifically the 'Review + create' tab. The page is titled 'Create SQL Database' and includes a Microsoft logo. The navigation bar at the top shows 'Home >' and a close button. The main content area has tabs for 'Basics', 'Networking', 'Security', 'Additional settings', 'Tags', and 'Review + create' (selected). Below the tabs, there is a summary of the configuration. Under 'Authentication method', it shows 'SQL authentication'. Under 'Server admin login', it shows 'Grace'. Under 'Compute + storage', it shows 'General Purpose - Serverless: Standard-series (Gen5), 1 vCore, 32 GB storage, zone redundant disabled'. Under 'Backup storage redundancy', it shows 'Geo-redundant backup storage'. There is a section for 'Networking' with a description: 'Allow Azure services and resources to access this server' and 'Yes'. Under 'Add current client IP address', it shows 'Yes'. Under 'Private endpoint', it shows 'None'. Under 'Minimum TLS version', it shows '1.2'. Under 'Connection Policy', it shows 'Default'. There is a section for 'Security' with a description: 'Identity' and 'Not enabled'. Under 'Transparent data encryption (Server level)', it shows 'Service-managed key selected'. Under 'Database level customer-managed key', it shows 'Not configured'. Under 'Database level user assigned managed identity', it shows 'Not configured'. Under 'Advanced data security', it shows 'Start free trial'. Under 'Always encrypted with secure enclaves', it shows 'Not configured'. Under 'Sql Ledger(Database)', it shows 'Disabled'. Under 'Digest Storage', it shows 'Disabled'. There is a section for 'Additional settings' with a description: 'Use existing data' and 'Sample'. Under 'Collation', it shows 'SQL_Latin1_General_CP1_CI_AS'. There is a section for 'Tags' with a description: 'Create'. At the bottom of the page, there are three buttons: 'Create' (highlighted in blue), '< Previous', and 'Download a template for automation'. The browser's address bar shows the URL: 'portal.azure.com/#view/SqlAzureExtension/SharedCreateServer/isNewServer~/true/subscriptionId/0b9c34c8-bd4c-4026-864...'.

After deployment is complete click on **Go to resources**

Microsoft Azure | Upgrade | Search resources, services, and docs (G+V)

Home > Microsoft.SQLDatabase.newDatabaseNewServer_45a8f7d6937347db8ace9 | Overview

Search

Delete Cancel Redeploy Download Refresh

Your deployment is complete

Deployment name : Microsoft.SQLDatabase.newDatabaseNewServer_45a8f7d6937347db8ace9 Start time : 8/12/2024, 2:06:39 PM
Subscription : Azure subscription 1 Correlation ID : eaf2c3ae-1f5d-41e9-9539-2bc4fc2c320b
Resource group : test1

> Deployment details

> Next steps

Go to resource

Give feedback
Tell us about your experience with deployment

Cost management
Get notified to stay within your budget and prevent unexpected charges on your bill.
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Select **Query editor (preview)**

Microsoft Azure | Upgrade | Search resources, services, and docs (G+V)

Home > Microsoft.SQLDatabase.newDatabaseNewServer_45a8f7d6937347db8ace9 | Overview > test1 (group6test/test1)

Search

Copy Restore Export Set server firewall Delete Connect with... Feedback

test1 (group6test/test1) SQL database

Overview

Activity log

Tags

Diagnose and solve problems

Query editor (preview)

Settings

Data management

Integrations

Power Platform

Security

Intelligent performance

Monitoring

Automation

Help

Essentials

Resource group (move) : test1

Status : Online

Location : South Africa North

Subscription (move) : Azure subscription 1

Subscription ID : 0b9c34c8-bd4c-4026-854e-64127acd4c49

Tags (edit) : Add tags

Server name : group6test.database.windows.net

Connection strings : Show database connection strings

Pricing tier : General Purpose - Serverless: Gen5, 1 vCore

Auto-pause delay : 1 hour

Earliest restore point : 2024-08-12 11:12 UTC

Getting started Monitoring Properties Features Notifications (1) Integrations Tutorials

Start working with your database

Connect to your database and start working with data with a few simple steps. [Learn more](#)

Configure access
Configure network access to your SQL server. [Learn more](#)

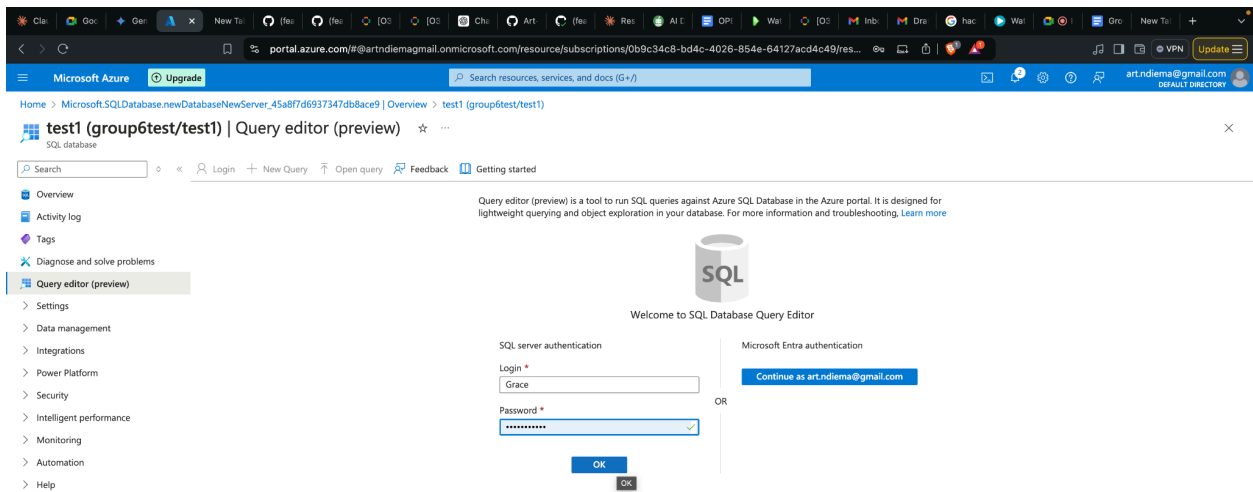
Connect to application
Use connection strings to connect to your SQL database from your applications and favorite tools.

Start developing
Work in your database by using tools to add, modify and query data. [Compare tools](#)

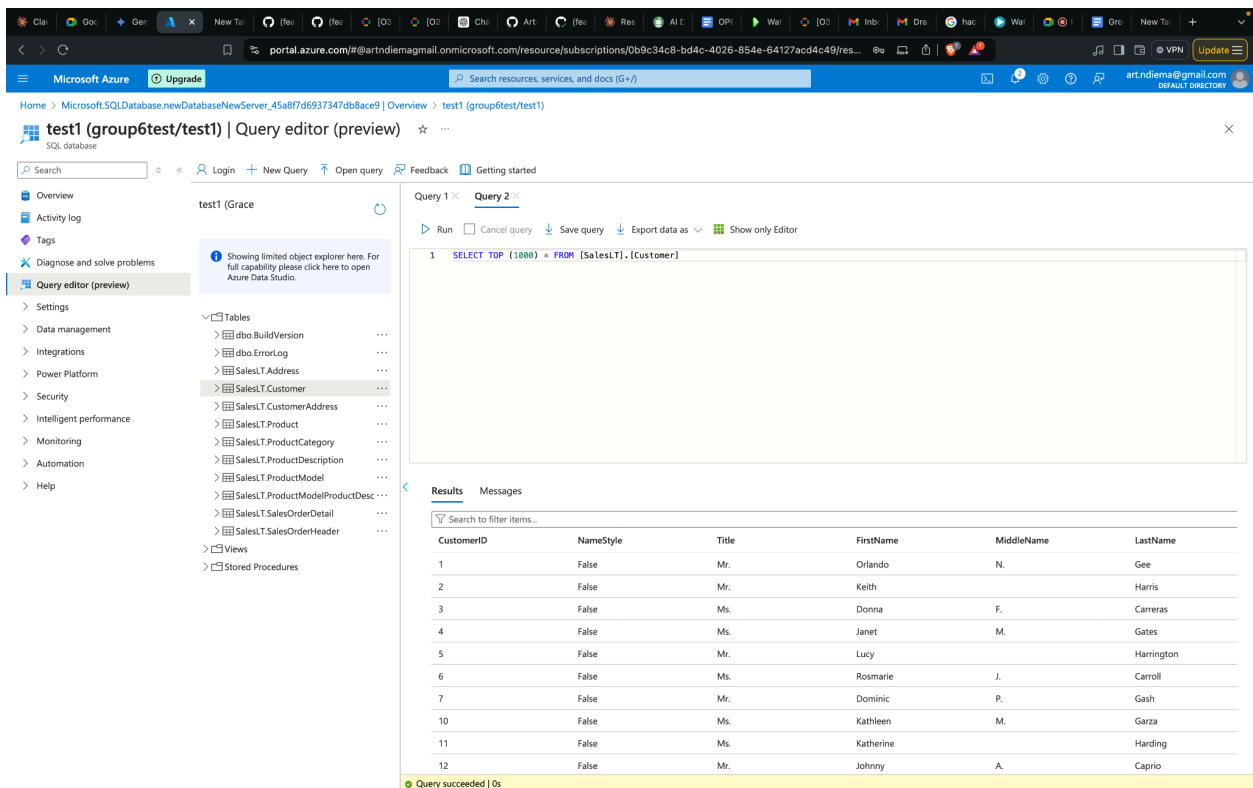
[Configure](#) [See connection strings](#) [Open Azure Data Studio](#) [Open in Visual Studio](#) [Open in Visual Studio Code](#)

<https://portal.azure.com#@artndiemagmail.onmicrosoft.com/resource/subscriptions/0b9c34c8-bd4c-4026-854e-64127acd4c49/resourceGroups/test1/providers/Microsoft.Sql/servers/group6test/databases/test1/queryEditor>

Login the database



You can preview the database



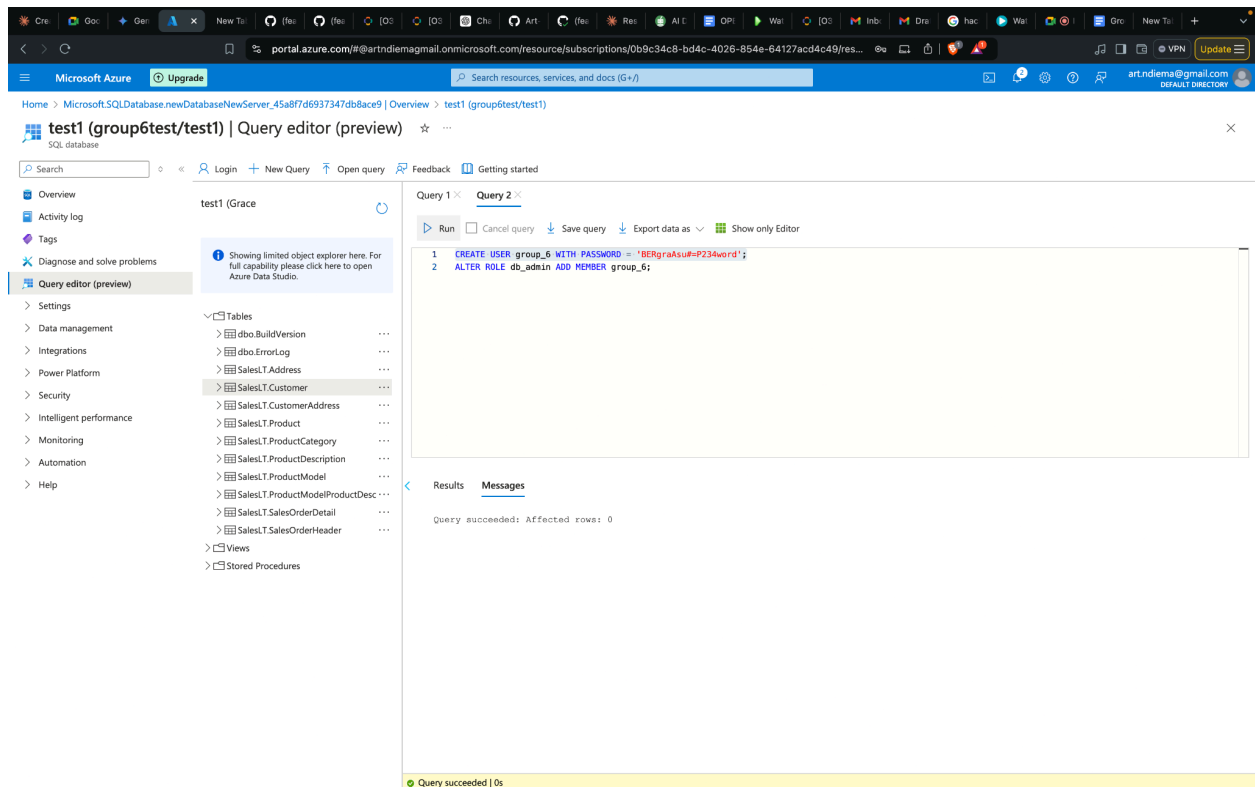
Create a User

```
CREATE USER group_6 WITH PASSWORD = 'BERgraAsu#=P234word';
```

(This statement creates a new user account named 'group_6' in the database system, with the password 'BERgraAsu#=P234word'.)

```
ALTER ROLE db_datareader ADD MEMBER group_6;
```

(This statement adds the newly created user 'group_6' to an existing database role called 'db_datareader'.)



Go to **Security** and under select **Dynamic Data Masking**