

Power BI

Najam Aqeel

19p-0035

CS-6B

Step -1

Login into Azure!

The screenshot shows the Microsoft Azure portal interface. At the top is a blue header bar with the Microsoft Azure logo on the left, a search bar in the center, and user profile information on the right. Below the header, the main content area is divided into several sections:

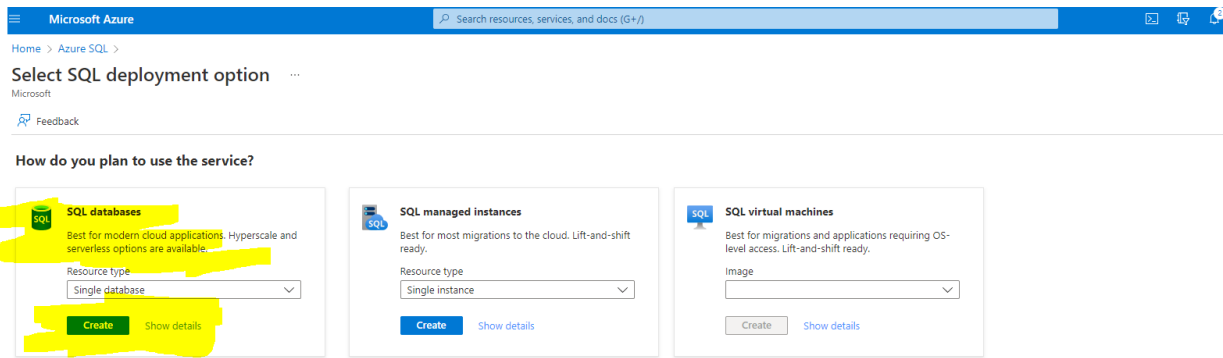
- Azure services:** A row of icons for various services: Create a resource, Static Web Apps, Storage accounts, Subscriptions, Marketplace, Monitor, Virtual machines, Cost Management, Quickstart Center, and All services.
- Recent resources:** A table listing recently viewed resources.
- Navigate:** A row of icons for navigation: Subscriptions, Resource groups, All resources, and Dashboard.
- Tools:** A row of icons for tools: Microsoft Learn, Azure Monitor, Microsoft Defender for Cloud, and Cost Management.

Name	Type	Last Viewed
zeroProject	Static Web App	18 minutes ago
pdc	Resource group	18 minutes ago
subzeroweb	Storage account	8 hours ago
SWeb	Resource group	9 hours ago
Visual Studio Enterprise Subscription	Subscription	a week ago

Step – 2

Select Azure SQL,

Then select SQL Database



Step – 3

Fill the requirements.

Create SQL Database ...

Microsoft

Did you know that new users in Azure can create a free Azure SQL Database and use it for 12 months using Azure free account? [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 * ⓘ Visual Studio Enterprise Subscription ✓

Resource group * ⓘ pdc ✓

[Create new](#)

Database details

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

Database name * PowerBI_Najam ✓

Server * ⓘ (new) subzero (East US) ✓

[Create new](#)

Want to use SQL elastic pool? * ⓘ ☐ Yes ☒ No

Compute + storage * ⓘ

General Purpose
Gen5, 2 vCores, 32 GB storage, zone redundant disabled
[Configure database](#)

Backup storage redundancy

Choose how your PITR and LTR backups are replicated. Geo restore or ability to recover from regional outage is only available when geo-redundant storage is selected.

Backup storage redundancy ⓘ ☐ Locally-redundant backup storage

☐ Zone-redundant backup storage

[Review + create](#)

[Next : Networking >](#)

Step – 4

Review + Create

Create SQL Database

Microsoft

Basics Networking Security Additional settings Tags Review + create

Product details

SQL database
by Microsoft
[Terms of use](#) | [Privacy policy](#)

Estimated cost per month
231.28 USD
[View pricing details](#)

Terms

By clicking "Create", I (a) agree to the legal terms and privacy statement(s) associated with the Marketplace offering(s) list may share my contact, usage and transactional information with the provider(s) of the offering(s) for support, billing and

Basics

Subscription	Visual Studio Enterprise Subscription
Resource group	pdc
Region	East US
Database name	PowerBI_Najam
Server	(new) subzero
Authentication method	SQL authentication
Server admin login	najam
Compute + storage	General Purpose: Gen5, 2 vCores, 32 GB storage, zone redundant disabled
Backup storage redundancy	Geo-redundant backup storage

Networking

Allow Azure services and resources to access this server	No
Private endpoint	None
Minimum TLS version	1.2

Create

< Previous

[Download a template for automation](#)

Step -5

Deploying... completed*

Search (Ctrl+/) << Delete Cancel Redeploy Refresh

Overview

Inputs

Outputs

Template

We'd love your feedback! →

Your deployment is complete



Deployment name: Microsoft.SQLDatabase.newDatabaseNewServe...
Subscription: Visual Studio Enterprise Subscription
Resource group: pdc

Start time: 4/11/2022, 12:11:17 AM
Correlation ID: 6de9dc8d-2641-4f43-8515-2a4968804881

Deployment details (Download)

Next steps

Go to resource

Step – 6

Go to Compute + storage

compute

Feedback

Settings

Compute + storage

Service and compute tier

Select from the available tiers based on the needs of your workload. The vCore model provides a wide range of configuration controls and offers Hyperscale and Serverless to automatically scale your database based on your workload needs. Alternately, the DTU model provides set price/performance packages to choose from for easy configuration. [Learn more](#)

Service tier

General Purpose (Scalable compute and storage options) [Compare service tiers](#)

Compute tier

- ☒ **Provisioned** - Compute resources are pre-allocated. Billed per hour based on vCores configured.
- ☐ **Serverless** - Compute resources are auto-scaled. Billed per second based on vCores used.

Compute Hardware

Select the hardware configuration based on your workload requirements. Availability of compute optimized, memory optimized, and confidential computing hardware depends on the region, service tier, and compute tier.

Hardware Configuration

Gen5
up to 80 vCores, up to 408 GB memory
[Change configuration](#)

vCores [How do vCores compare with DTUs?](#)

2

Data max size (GB)

32

Data

10
9
8
7
6
5
4
3
2
1
0

C
S
C

Cost

Gen5
Cost pr
vCore

Cost pr
Max st

ESTIM

Step -7

Set 15GB size

Gen5
up to 80 vCores, up to 408 GB memory
[Change configuration](#)

vCores [How do vCores compare with DTUs?](#)

2

Data max size (GB) ⓘ

15

4.5 GB LOG SPACE ALLOCATED

Would you like to make this database zone redundant? ⓘ

☐ Yes

☒ No

Backup storage redundancy ⓘ

☐ Locally-redundant backup storage

☐ Zone-redundant backup storage

☒ Geo-redundant backup storage

⚠ Selected value for backup storage redundancy is Geo-redundant backup storage. Note that database backups will be geo-replicated to the paired region. [Learn more](#)

Apply

Cost summary

Gen5 - General Purpose

Cost per vCore

vCores selected

Cost per GB (in

Max storage size

ESTIMATED COST

NOTES

1 The dev/test c

selected subscri

Step -8 – ALL set

Home >

PowerBI_Najam (subzero/PowerBI_Najam) [✎](#) [...](#)

SQL database

Search (Ctrl+/)

[Copy](#) [Restore](#) [Export](#) [Set server firewall](#) [Delete](#) [Connect with...](#) [Feedback](#)

Overview

Activity log

Tags

Diagnose and solve problems

Quick start

Query editor (preview)

Power Platform

Power BI

Power Apps

Power Automate

Settings

Compute + storage

Connection strings

Properties

Locks

Data management

Replicas

Sync to other databases

Essentials

Resource group (move) : [pdc](#)

Status : Online

Location : East US

Subscription (move) : [Visual Studio Enterprise Subscription](#)

Subscription ID : 8a8c2f3a-78e8-469b-ae1f-12973fab3c44

Tags (edit) : [Click here to add tags](#)

Server name : [subzero.database.windows.net](#)

Elastic pool : [No elastic pool](#)

Connection strings : [Show database connection strings](#)

Pricing tier : [General Purpose: Gen5_2 vCores](#)

Earliest restore point : 2022-04-10 19:16 UTC

Show data for last:

1 hour 24 hours 7 days

 Aggregation type:

Max

Compute utilization

CPU percentage (Max)

Data IO percentage (Max)

Log IO percentage (Max)

0% 0% 0%

Scale

Successful

vCores, 32

General Purpose

redundant


Step – 9

Set FireWall


Microsoft Azure


Search resources, services, and docs (G+/)


Home > PowerBI_Najam (subzero/PowerBI_Najam) >

 **Firewall settings** ...

subzero (SQL server)

 Save

 Discard

 Add client IP

☐ Deny public network access

Minimum TLS Version ⓘ

1.0

1.1

1.2

Connection Policy ⓘ

Default

Proxy

Redirect

Allow Azure services and resources to access this server ⓘ

Yes

No

Client IP address59.103.97.87

Rule name	Start IP	End IP
ClientIPAddress_2022-4-...	59.103.97.87	59.103.97.87
ClientIPAddress_2022-4-... ✓	59.103.97.87 ✓	59.103.97.87 ✓

Virtual networks

+ Add existing virtual network + Create new virtual network

Rule name	Virtual network	Subnet	Address Range	Endpoint status
No vnet rules for this server.				

Outbound networking

Restrict network access to a specific set of resources by supplying their fully-qualified domain names. [Learn more](#)

Restrict outbound networking

Restrictions disabled

Step- 10

Home > PowerBI_Naiam (subzero/PowerBI_Naiam) >



Firewall settings

subzero (SQL server)



Save



Discard



Add client IP

Success!

Successfully updated server firewall rules

OK

Connection Policy ⓘ

Default

Proxy

Redirect

Allow Azure services and resources to access this server ⓘ

Yes


No

Client IP address

59.103.97.87

Step- 11

Wait for Deployment



Deployment ...

Notifications


[More events in the activity log →](#) Dismiss

Deployment in progress...
Deployment to resource group 'pdc' is in progress.
11

Successfully updated server firewall rules
Successfully updated firewall rules for server: subzero
2

Scale database success
Successfully scaled from General Purpose: Gen5, 2 vCores, 32 GB storage to General Purpose: Gen5, 2 vCores, 15 GB storage for database: PowerBI_Naiam.
2

Step – 12 COMPLETED Your SQL Data Base on Power BI is setup using Azure



Welcome to SQL Database Query Editor

SQL server authentication

Login *

Password *

OK

Active Directory authentication

Continue as Najam.Aqeel@studentamb...

OR

Login

New Query

Open query

Feedback

PowerBI_Najam (najam)

Showing limited object explorer here. For full capability please open SSDT.

Tables

Views

Stored Procedures

Query 1

Run

Cancel query

Save query

Export data as

Show only Editor

1

Results

Messages

Search to filter items...