



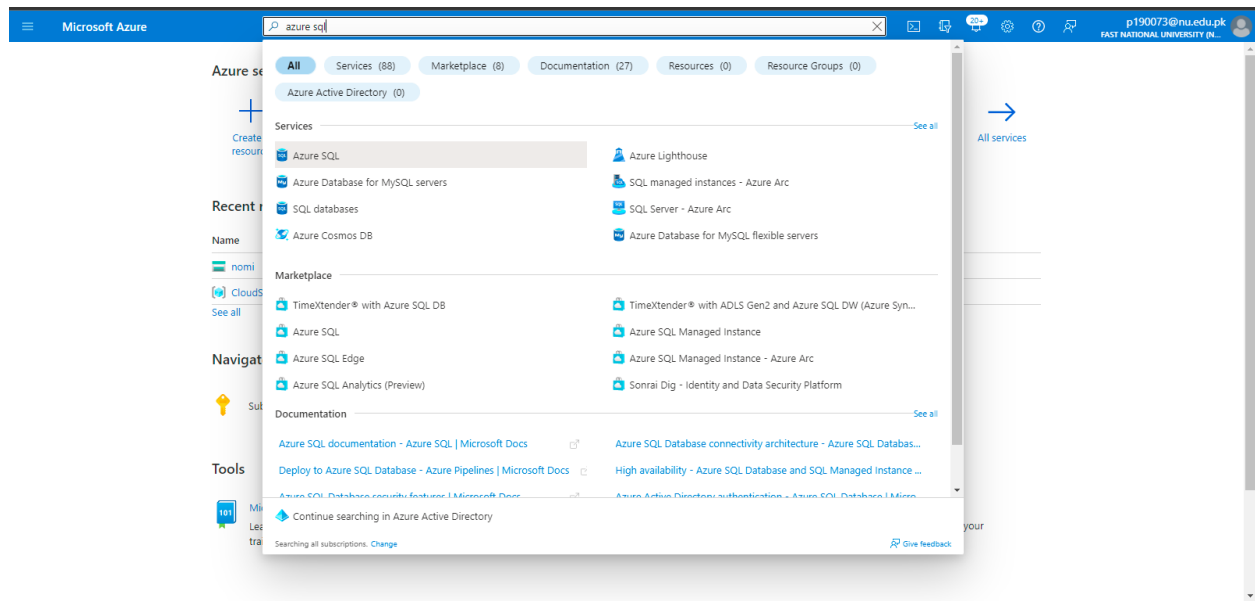
POWER- BI



Rao Nauman

[COMPANY NAME] [Company address]

Make an instance of azure sql



Select first option:

Microsoft Azure

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

p190073@nu.edu.pk
EAST NATIONAL UNIVERSITY (PUNJAB)

Home >

Select SQL deployment option

Microsoft

Feedback

How do you plan to use the service?

SQL

SQL databases

Best for modern cloud applications. Hyperscale and serverless options are available.

Resource type
Single database

Create Show details

SQL

SQL managed instances

Best for most migrations to the cloud. Lift-and-shift ready.

Resource type
Single instance

Create Show details

SQL

SQL virtual machines

Best for migrations and applications requiring OS-level access. Lift-and-shift ready.

Image

Create Show details

Configure the machine

Microsoft Azure

Search resources, services, and docs (G+)

p190073@nu.edu.pk
FAST NATIONAL UNIVERSITY (N...

Home > Select SQL deployment option > Create SQL Database >

Create SQL Database Server

Microsoft

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 *

void

Server name should not contain reserved words.
The specified server name is available.

.database.windows.net

Location *

(US) East US

Authentication

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 Azure AD authentication [Learn more](#) or using an existing Azure AD user, group, or application as Azure AD admin [Learn more](#), or select both SQL and Azure AD authentication.

Authentication method

☒ Use SQL authentication
☐ Use only Azure Active Directory (Azure AD) authentication
☐ Use both SQL and Azure AD authentication

Server admin login *

Enter server admin login

Password *

Confirm password *

OK

Microsoft Azure

Search resources, services, and docs (G+)

p190073@nu.edu.pk
FAST NATIONAL UNIVERSITY (N...

Home > Microsoft.SqlDatabase.newDatabaseNewServer_bd60012fcd3463f8ca8e >

Void (void/Void)

SQL database

Search (Ctrl+F)

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

Essentials

Resource group (move) : CloudShell

Status : Online

Location : East US

Subscription (move) : Azure for Students

Subscription ID : 42da8980-af10-431f-a81e-8450aed7e3f4

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

Server name : void.database.windows.net

Elastic pool : No elastic pool

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

Pricing tier : Standard S0-10 DTUs

Earliest restore point : No restore point available

Show data for last: 1 hour 24 hours 7 days

Aggregation type: Max

Compute utilization

DTU percentage (Max)
void/void

Database data storage

Used space
4 MB

Allocated space
16 MB

Maximum storage size

Configuring and computing storage

Void (void/Void) | Compute + storage

SQL database

Search (Ctrl+/) 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

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: Standard (For workloads with typical performance requirements) [Compare service tiers](#)

DTUs [What is a DTU?](#): 10

Data max size (GB): 250

Backup storage redundancy [What is 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

Database utilization

DTU percentage (Max) void/void: 1%
Data space used perc... void/void: 0%

Cost summary

Cost per DTU (in --)	--
DTUs selected	x 10
ESTIMATED COST / MONTH	--

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 40 vCores, up to 120 GB memory [Change configuration](#)

Max vCores: 2
Min vCores: 0.5 vCores

2.02 GB MIN MEMORY 3 GB MAX MEMORY

Auto-pause delay

The database automatically pauses if it is inactive for the time period specified here, and automatically resumes when database activity recurs. Alternatively, auto-pausing can be disabled.

☒ Enable auto-pause

Days: 0 Hours: 1 Minutes: 0

Data max size (GB) [What is data max size?](#)

Apply

Database utilization

DTU percentage (Max) void/void: 1%
Data space used perc... void/void: 0%

Cost summary

Gen5 - General Purpose (GP_5 Gen5 F)	0.12
Cost per GB (in USD)	x 19.5
Max storage selected (in GB)	--
ESTIMATED STORAGE COST / MONTH	2.24 USD
COMPUTE COST / VCORE / SECOND ¹	0.000145 USD

NOTES
¹ Serverless databases are billed in vCores based on a combination of CPU and memory utilization. [Learn more about serverless billing](#)

Setting up firewalls

Microsoft Azure

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

📄

🔍

🗨️


⚙️

🔔

📢

p190073@nu.edu.pk
FAST NATIONAL UNIVERSITY (N...


Home > Microsoft.SQLDatabase.newDatabaseNewServer_bd60012fcd3463f8ca8e > Void (void/Void) >


 Firewall settings


...

void (SQL server)

×

 Save

 Discard

 Add client IP

☐ Deny public network access

Minimum TLS Version ⓘ

1.01.11.2

Connection Policy ⓘ

DefaultProxyRedirect

Allow Azure services and resources to access this server ⓘ

YesNo

Client IP address59.103.97.109

Rule name	Start IP	End IP
<input type="text"/>	<input type="text"/>	<input type="text"/>

No firewall rules configured.

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

Microsoft Azure

Search resources, services, and docs (G+)

p190073@nu.edu.pk
FAST NATIONAL UNIVERSITY (N...

Home > Microsoft.SQLDatabase.newDatabaseNewServer_bd60012fcd3463f8ca8e > Void (void/void) >

Firewall settings

void (SQL server)

Save Discard Add client IP

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 address 59.103.97.109

Rule name	Start IP	End IP
ClientIPAddress_2022-4-10_...	59.103.97.109	59.103.97.109

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
[Configure outbound networking restrictions](#)

Azure services

Create a resource Azure SQL Storage accounts Quickstart Center Virtual machines App Services SQL databases Azure Cosmos DB Kubernetes services All services

Recent resources

Name	Type	Last Viewed
Void (void/void)	SQL database	a few seconds ago
CloudShell	Resource group	11 minutes ago
nomi	Storage account	59 minutes ago

[See all](#)

Navigate

Subscriptions Resource groups All resources Dashboard

Tools

Microsoft Learn Learn Azure with free online training from Microsoft Azure Monitor Monitor your apps and infrastructure Microsoft Defender for Cloud Secure your apps and infrastructure Cost Management Analyze and optimize your cloud spend for free

https://portal.azure.com/?Microsoft_Azure_Education_correlationId=28d1a86c-31c41888ff45e791cb98c48Microsoft_Azure_Education_newAdf=true&Microsoft_Azure_Education_exoSubGuid=42da8980-af10-431f-e81e-8450aed7e314#home

Logging into sql

Home > Void (void/Void)

Void (void/Void) | Query editor (preview) ...

SQL database

Search (Ctrl+/) « Login + New Query Open query 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

Welcome to SQL Database Query Editor

SQL server authentication

Login *

void

Password *

OK

Active Directory authentication

Continue as p190073@nu.edu.pk

OR

Making dummy data

mockaroo SCHEMAS DATASETS MOCK APIS SCENARIOS PROJECTS

Looking to generate **fake data** based on your **production data**? Mimic your databases with a trial account from **TONIC**

Need some mock data to test your app? Mockaroo lets you generate up to 1,000 rows of realistic test data in CSV, JSON, SQL, and Excel formats.

Need more data? Plans start at just \$60/year. Mockaroo is also available as a **docker image** that you can deploy in your own private cloud.

Field Name	Type	Options
id	Row Number	blank: 0 % Σ ×
first_name	First Name	blank: 0 % Σ ×
last_name	Last Name	blank: 0 % Σ ×
email	Email Address	blank: 0 % Σ ×
gender	Gender	blank: 0 % Σ ×
ip_address	IP Address v4	blank: 0 % Σ ×

DOWNLOAD DATA PREVIEW SAVE THIS SCHEMA MORE

MOCK_DATA.csv Show all

Importing database to power bi

This screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the 'Microsoft Azure' logo, a search bar, and user information. The main content area is titled 'Void (void/Void) | Query editor (preview)'. On the left, there is a sidebar with navigation options: 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, and Locks. The 'Query editor (preview)' section is active, displaying an 'Open SQL query' dialog box. The dialog box has a text input field containing 'MOCK_DATA.sql' and buttons for 'OK' and 'Cancel'. Below the dialog box, there are sections for 'Results' and 'Messages'.

This screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the 'Microsoft Azure' logo, a search bar, and user information. The main content area is titled 'Void (void/Void) | Query editor (preview)'. On the left, there is a sidebar with navigation options: 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, and Locks. The 'Query editor (preview)' section is active, displaying a SQL query in the 'Query 1' editor. The query is a CREATE TABLE statement for 'MOCK_DATA' with columns: id (INT), first_name (VARCHAR(50)), last_name (VARCHAR(50)), email (VARCHAR(50)), gender (VARCHAR(50)), and ip_address (VARCHAR(20)). Below the query, there are sections for 'Results' and 'Messages'.

This screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the 'Microsoft Azure' logo, a search bar, and user information. The main content area is titled 'Void (void/Void) | Query editor (preview)'. On the left, there is a sidebar with navigation options: 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, and Locks. The 'Query editor (preview)' section is active, displaying a SQL query in the 'Query 3' editor. The query is an INSERT INTO statement for 'MOCK_DATA' with columns: id, first_name, last_name, email, gender, and ip_address. The query is executed, and the 'Results' section shows 'Query succeeded: Affected rows: 1000'. Below the query, there are sections for 'Results' and 'Messages'.

Downloading POWER BI app . and connecting it to the server

The image shows a screenshot of the Microsoft Azure portal and the Power BI Desktop application interface.

Microsoft Azure Portal:

- Header: Microsoft Azure, Search resources, services, and docs (G+/), p190073@nu.edu.pk, FAST NATIONAL UNIVERSITY (N...)
- Breadcrumb: Home > Void (void/Void)
- Section: Void (void/Void) | Power BI ...
- Left sidebar: Search (Ctrl+/), 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.
- Main content: Visualize your SQL data in Power BI. Transform your SQL database tables into stunning visuals and share them on any device. To start building a Power BI report, select Get Started, then open the .pbids file in your downloads folder. [Learn more](#) [Get started](#). Don't have Power BI Desktop? [Get it for free](#).
- Learn to use Power BI: Get started with Power BI, Connect to SQL data with DirectQuery, DirectQuery in Power BI.
- Data management: Void.pbids, query.sql, MOCK_DATA.sql, MOCK_DATA.csv.

Power BI Desktop:

- File Home Insert Modeling View Help
- Clipboard: Paste, Cut, Copy, Format painter
- Data: Get data - workbook datasets, Excel, Power BI, SQL, Enter data, Datasource, Recent sources
- Queries: Transform data, Refresh data
- Insert: New visual, Text box, More visuals
- Calculations: New measure, Quick measure measure
- Sensitivity: Sensitivity, Publish
- Visualizations: Build visual, Visualizations, Fields, Filters, Values, Drill through, Cross-report, Keep all filters, Add drill-through fields here
- Page 1

Power BI Desktop Main Content:

- Add data to your report
- Once loaded, your data will appear in the Fields pane.
- Import data from Excel, Import data from SQL Server, Paste data into a blank table, Try a sample dataset
- [Get data from another source](#)

SQL Server database

Server ⓘ

void.database.windows.net

Database (optional)

Data Connectivity mode ⓘ

☒ Import

☐ DirectQuery

▸ Advanced options

OK

Cancel

DatabasePowerBi [3]

☐ sys.database_firewall_rules

☐ sys.ipv6_database_firewall_rules

☒ MOCK_DATA

PowerBitoAzure

2	Darelle	Czech Republic	Tea - Jasmin Green
3	Thebault	Greece	Longos - Grilled Veg Sandwiches
4	Hashim	Russia	Steel Wool S.o.s
5	Rosalia	Sweden	Trueblue - Blueberry
6	Joann	United States	Peppercorns - Green
7	Malissa	Russia	Chocolate - Milk, Callets
8	Ursola	Sweden	Oil - Olive
9	Tyrus	Turkmenistan	Pate - Liver
10	Elizabeth	Sweden	Veal - Insides Provini
11	Darla	Cameroon	Ham Black Forest
12	Gran	Nepal	Knife Plastic - White
13	Dorette	Greece	V8 - Vegetable Cocktail
14	Kit	Iceland	Table Cloth 81x81 Colour
15	Darlene	Philippines	Salmon - Atlantic, No Skin
16	Gelya	Indonesia	Bread - Olive Dinner Roll
17	Malia	Vietnam	Soup - Base Broth Beef
18	Giffer	China	Cheese - Cheddar, Medium

