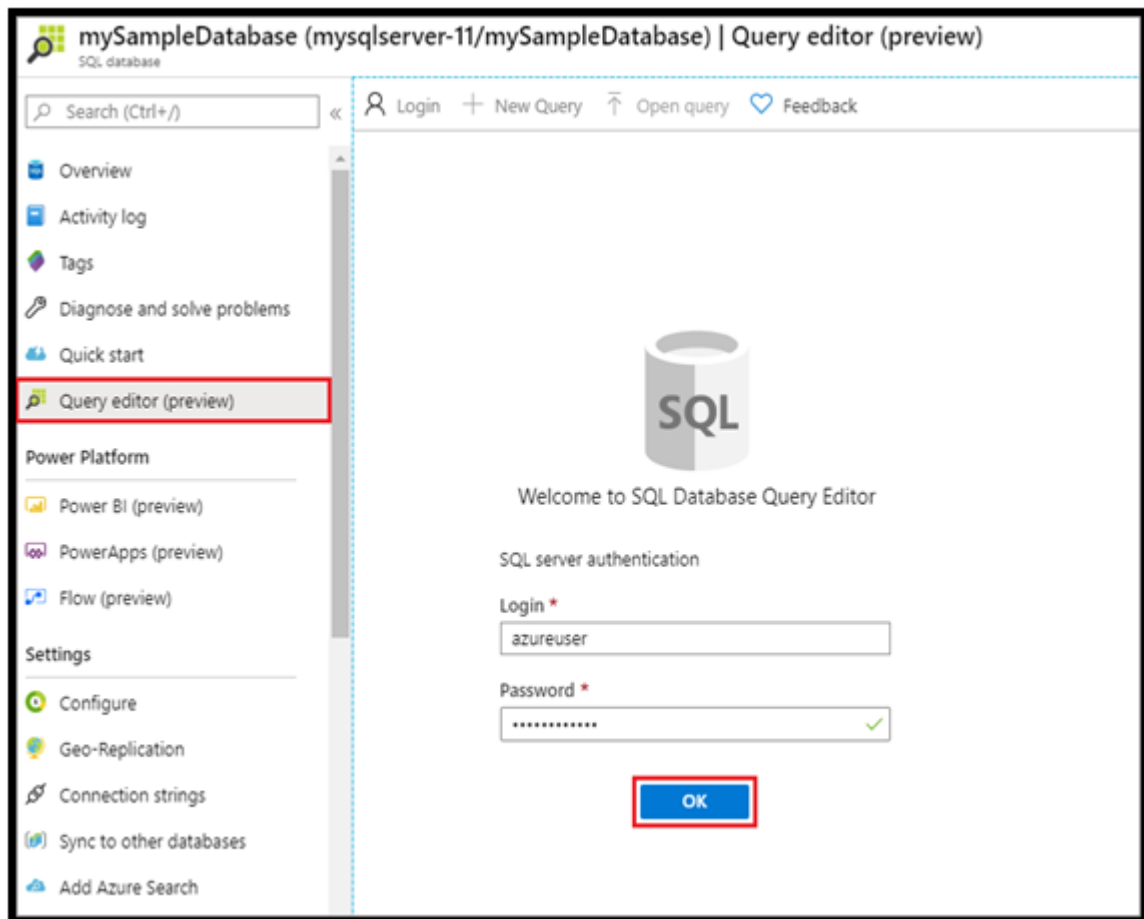


Lab 36

Self Practice Solution: Query the database using Azure SQL Database

Once your database is created, you can use the **Query editor (preview)** in the Azure portal to connect to the database and query data.

1. In the portal, search for and select **SQL databases**, and then select your database from the list.
2. On the page for your database, select **Query editor (preview)** in the left menu.
3. Enter your server admin login information, and select **OK**.

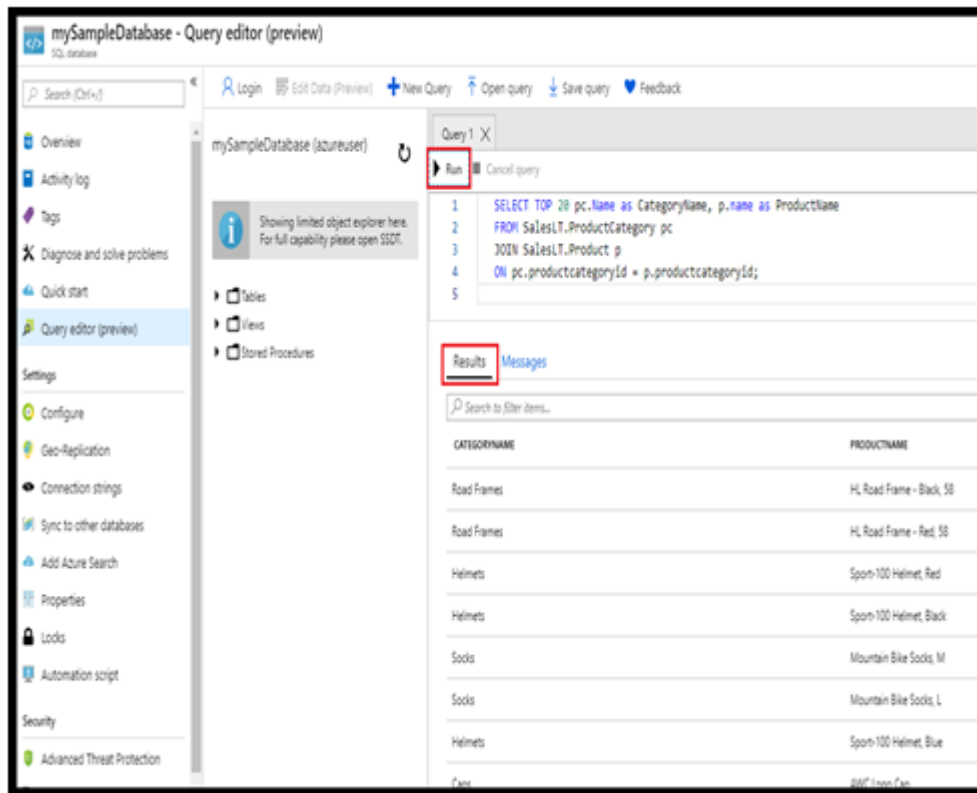


4. Enter the following query in the **Query editor** pane.
SQLCopy
SELECT TOP 20 pc.Name as CategoryName, p.name as ProductName
FROM SalesLT.ProductCategory pc

JOIN SalesLT.Product p

ON pc.productcategoryid = p.productcategoryid;

5. Select **Run**, and then review the query results in the **Results** pane.



6. Close the **Query editor** page, and select **OK** when prompted to discard your unsaved edits.

Home > Azure SQL > Select SQL deployment option > Create SQL Database >

Configure

Feedback

Looking for basic, standard, premium?

General Purpose	Hyperscale	Business Critical
Scale compute and storage options	On-demand scalable storage	High transaction rate and high resiliency
500 - 10,000 OPS 2-10 ms latency	500 - 25,000 OPS 1-10 ms latency	5,000 - 25,000 OPS 1-2 ms latency

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

Click "Change configuration" to see details for all hardware generations available including memory optimized and compute optimized options

Hardware Configuration

Gen5
up to 40 vCores, up to 128 GB memory
[Change configuration](#)

Max vCores

Min vCores

2,032 GB MAX MEMORY 3 GB MAX MEMORY

Auto-pause delay

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

☒ Enable auto-pause

Days: 0 Hours: 1 Minutes: 0

Apply

Cost summary

Gen5 - General Purpose (GP_L Gen5)
Core per GB

Max storage selected: 1 GB

ESTIMATED STORAGE COST / MONTH
COMPUTE COST / V-CORE / SECOND

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

7. Leave **Want to use SQL elastic pool** set to **No**.
8. Under **Compute + storage**, select **Configure database**.
9. This quickstart uses a serverless database, so select **Serverless**, and then select **Apply**.
10. Select **Next: Networking** at the bottom of the page.

Dashboard > Azure SQL > Select SQL deployment option >

Create SQL Database

Microsoft
provision with smart defaults, or visit each tab to customize. [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 * ⓘ

Resource group * ⓘ
[Create new](#)

Database details

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

Database name *

Server * ⓘ
[Create new](#)

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

Compute + storage * ⓘ

General Purpose
Serverless, Gen5, 1 vCore, 32 GB storage
[Configure database](#)

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

11. On the **Networking** tab, for **Connectivity method**, select **Public endpoint**.
12. For **Firewall rules**, set **Add current client IP address** to **Yes**. Leave **Allow Azure services and resources to access this server** set to **No**.
13. Select **Next: Additional settings** at the bottom of the page.

Create SQL Database

Microsoft

[Basics](#) [Networking](#) [Additional settings](#) [Tags](#) [Review + create](#)

Configure network access and connectivity for your server. The configuration selected below will apply to the selected server 'mysqlserver-12' and all databases it manages. [Learn more](#)

Network connectivity

Choose an option for configuring connectivity to your server via public endpoint or private endpoint. Choosing no access creates with defaults and you can configure connection method after server creation. [Learn more](#)

Connectivity method *

☐ No access

☒ Public endpoint

☐ Private endpoint (preview)

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. [Learn more](#)

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 *

☒ No ☐ Yes

Add current client IP address *

☐ No ☒ Yes

[Review + create](#) [< Previous](#) [Next : Additional settings >](#)

14. On the **Additional settings** tab, in the **Data source** section, for **Use existing data**, select **Sample**. This creates an AdventureWorksLT sample database so there's some tables and data to query and experiment with, as opposed to an empty blank database.
15. Optionally, enable Azure Defender for SQL.
16. Optionally, set the maintenance window so planned maintenance is performed at the best time for your database.
17. Select **Review + create** at the bottom of the page:

Microsoft Azure

Search resources, services, or documentation

Home > servercontoso >

Create SQL Database

Microsoft

BasicsNetworkingAdditional settingsTagsReview + create

Customize additional configuration parameters including collation & sample data.

Data source

Start with a blank database, restore from a backup or select sample data to populate your new database.

Use existing data *

NoneBackupSample

AdventureWorksLT will be created as the sample database.

Database collation

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](#)

Collation ⓘ SQL_Latin1_General_CP1_CI_AS

Azure Defender for SQL

Protect your data using Azure Defender for SQL, a unified security package including vulnerability assessment and advanced threat protection for your server. [Learn more](#)

Advanced Data Security costs 15 USD/server/month.

Enable Azure Defender for SQL * ⓘ

EnableNot now

Maintenance window

Select a preferred maintenance window from the drop down. Please note, during a maintenance event, Azure SQL Database are fully available and accessible but some of the maintenance updates require a failover as Azure takes SQL DB instances offline for a short time to apply the maintenance updates. If the database is part of elastic pool, the maintenance configuration of elastic pool will be applied. [Learn more](#)

Maintenance window System default

Review + create< PreviousNext : Tags >

18. On the **Review + create** page, after reviewing, select **Create**.