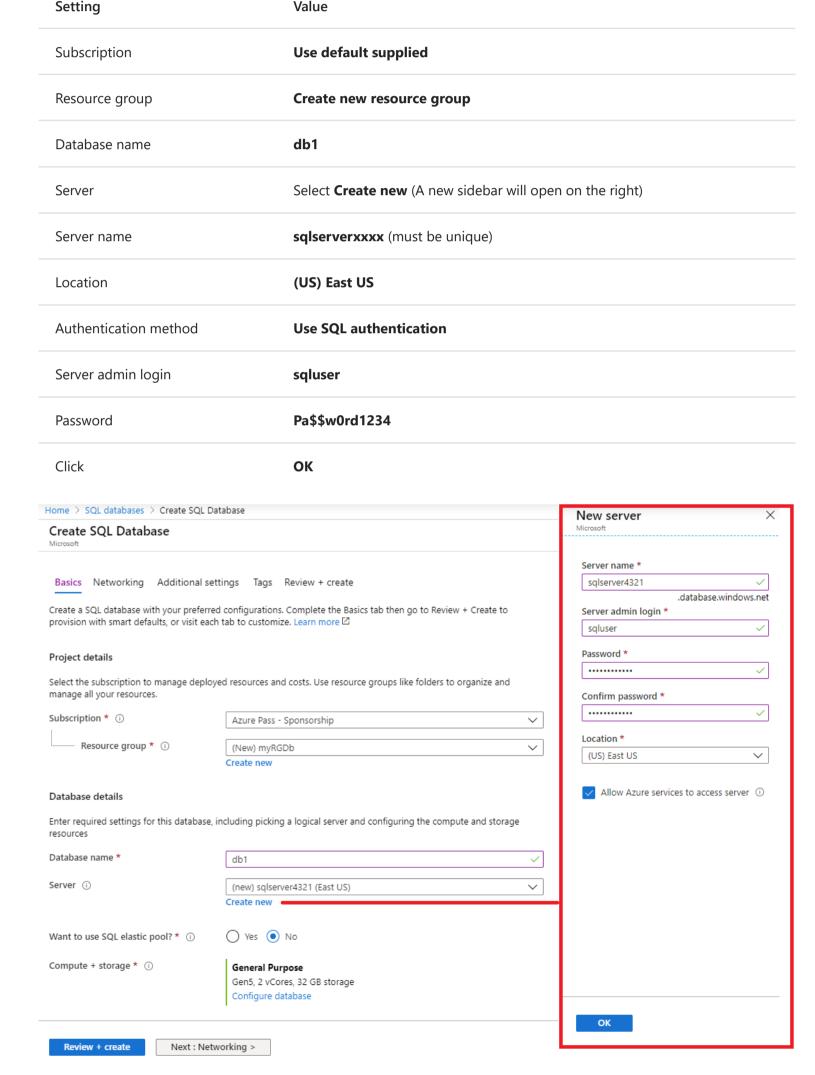
06 - Create a SQL database (5 min)

In this walkthrough, we will create a SQL database in Azure and then query the data in that database.

Task 1: Create the database

In this task, we will create a SQL database based on the AdventureWorksLT sample database.

- 1. Sign in to the Azure portal at https://portal.azure.com.
- 2. From the All services blade, search for and select SQL databases, and then click + Add, + Create, + New.
- 3. On the **Basics** tab, fill in this information.



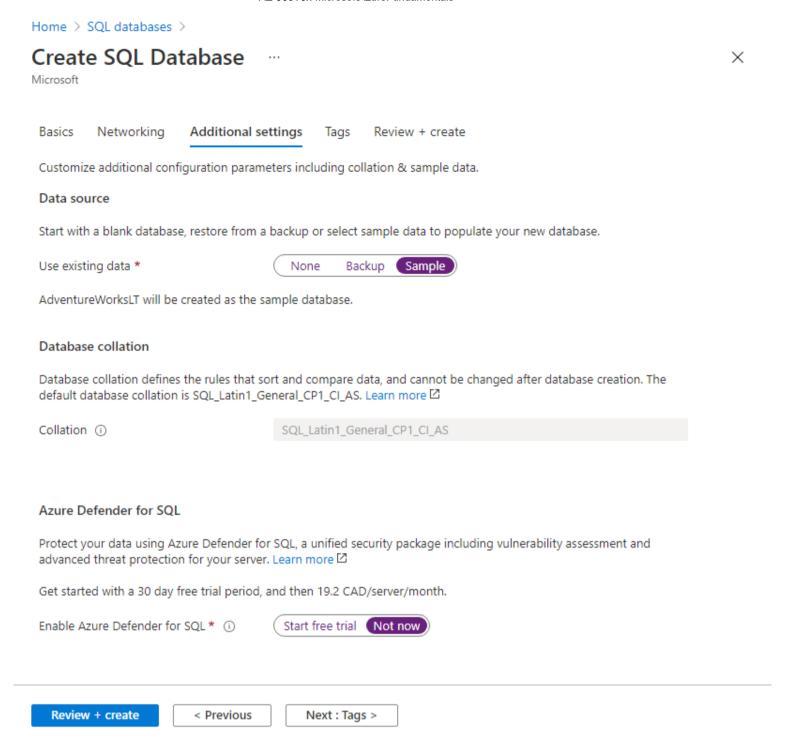
4. On the Networking tab and configure the following settings (leave others with their defaults)

Setting Value Value

Setting	Value
Connectivity method	Public endpoint
Allow Azure services and resources to access this server	Yes
Add current client IP address	No
Home > SQL databases > Create SQL Database	
Create SQL Database	
Basics Networking Additional settings Tags Review + create Configure network access and connectivity for your server. The configuration server 'sqlserver4321' and all databases it manages. Learn more ☑	selected below will apply to the selected
Network connectivity	
Choose an option for configuring connectivity to your server via public endpo creates with defaults and you can configure connection method after server c	
Connectivity method * ①	
Firewall rules	
Setting 'Allow Azure services and resources to access this server' to Yes allows the Azure boundary, that may or may not be part of your subscription. Learn Setting 'Add current client IP address' to Yes will add an entry for your client I	more 🗹
Allow Azure services and resources to No Yes access this server *	
Add current client IP address * No Yes	
Review + create < Previous Next : Additional settings	>
On the Security tab.	
Setting	Value
Microsoft Defender for SQL	Not now
Move to the Additional settings tab. We will be using the Adven	tureWorksLT sample database.
Setting	Value
Use existing data	Sample

Setting	Value	
Use existing data	Sample	

5.

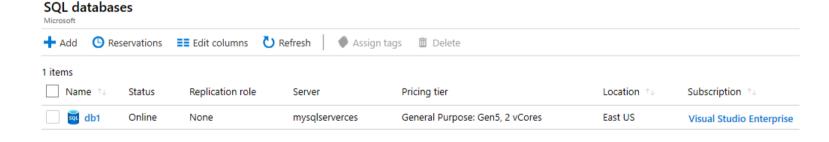


7. Click **Review + create** and then click **Create** to deploy and provision the resource group, server, and database. It can take approx. 2 to 5 minutes to deploy.

Task 2: Test the database.

In this task, we will configure the SQL server and run a SQL query.

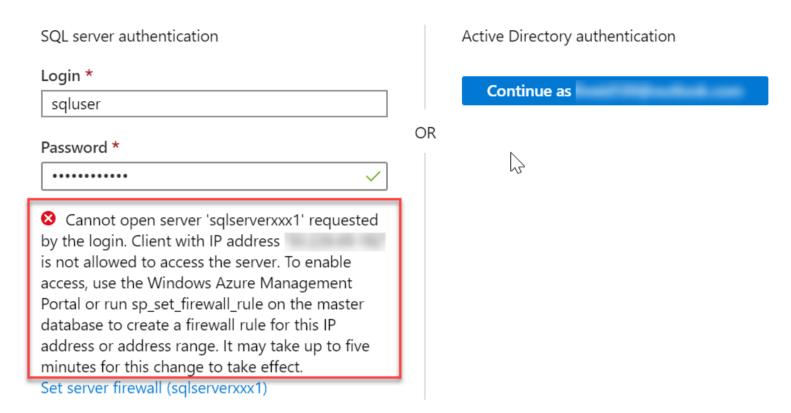
1. When the deployment has completed, click Go to resource from the deployment blade. Alternatively, from the **All Resources** blade, search and select **Databases**, then **SQL databases** ensure your new database was created. You may need to **Refresh** the page.



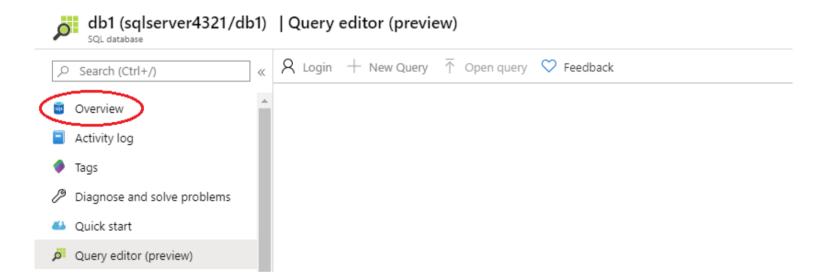
- 2. Click the **db1** entry representing the SQL database you created. On the db1 blade click **Query editor** (preview).
- 3. Login as sqluser with the password Pa\$\$w0rd1234.
- 4. You will not be able to login. Read the error closely and make note of the IP address that needs to be allowed through the firewall.



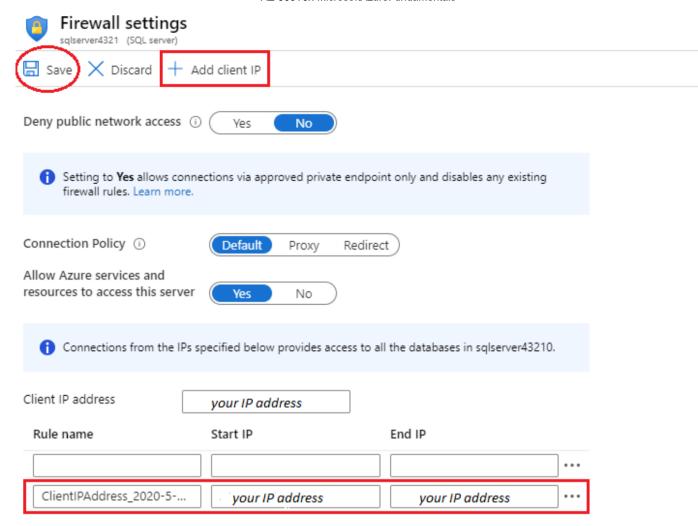
Welcome to SQL Database Query Editor



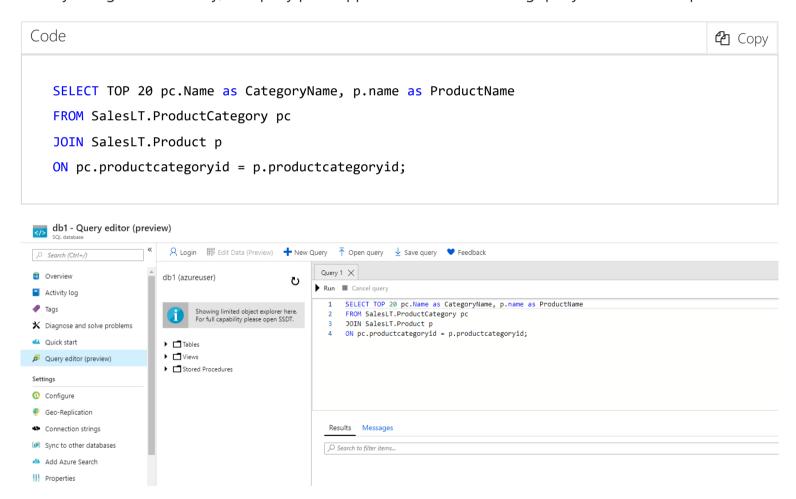
5. Back on the **db1** blade, click **Overview**.



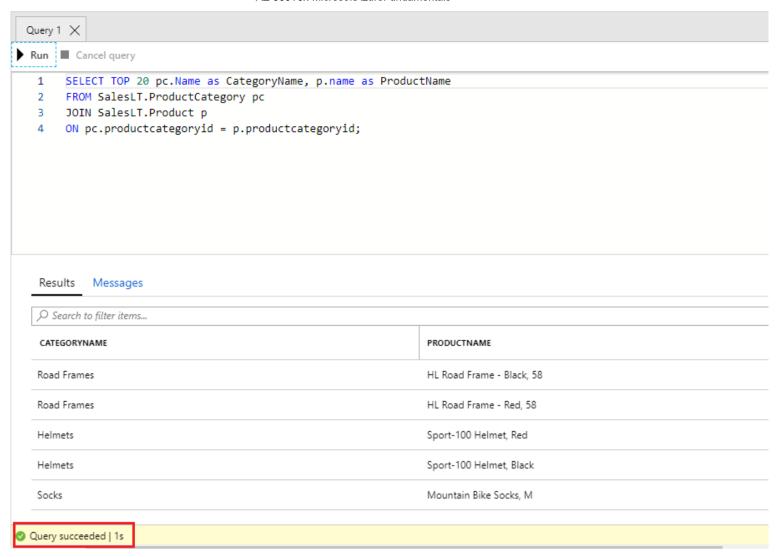
- 6. From the db1 Overview blade, click Set server firewall Located on the top center of the overview screen.
- 7. Click + **Add client IP** (top menu bar) to add the IP address referenced in the error. (it may have autofilled for you if not paste it into the IP address fields). Be sure to **Save** your changes.



- 8. Return to your SQL database (slide the bottom toggle bar to the left) and click on **Query Editor (Preview)**. Try to login again as **sqluser** with the password **Pa\$\$w0rd1234**. This time you should succeed. Note that it may take a couple of minutes for the new firewall rule to be deployed.
- 9. Once you log in successfully, the query pane appears. Enter the following query into the editor pane.



10. Click Run, and then review the query results in the Results pane. The query should run successfully.



Congratulations! You have created a SQL database in Azure and successfully queried the data in that database.

Note: To avoid additional costs, you can optionally remove this resource group. Search for resource groups, click your resource group, and then click **Delete resource group**. Verify the name of the resource group and then click **Delete**. Monitor the **Notifications** to see how the delete is proceeding.