Lab 36

Classroom Activity: Getting started with single databases in Azure SQL Database

Task: Create an Azure SQL Database single database

You can create a single database in Azure SQL Database using either the Azure portal, a PowerShell script, or an Azure CLI script. You then query the database using **Query editor** in the Azure portal.

Prerequisite

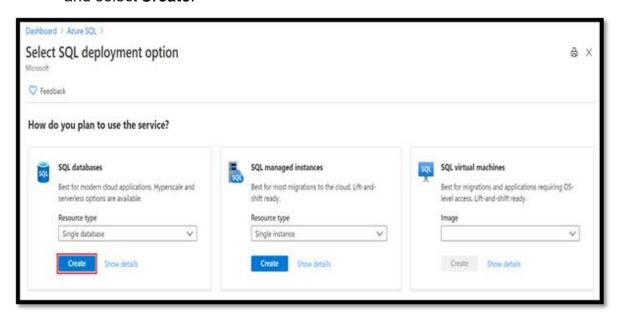
 An active Azure subscription. If you don't have one, create a free account.

Create a single database

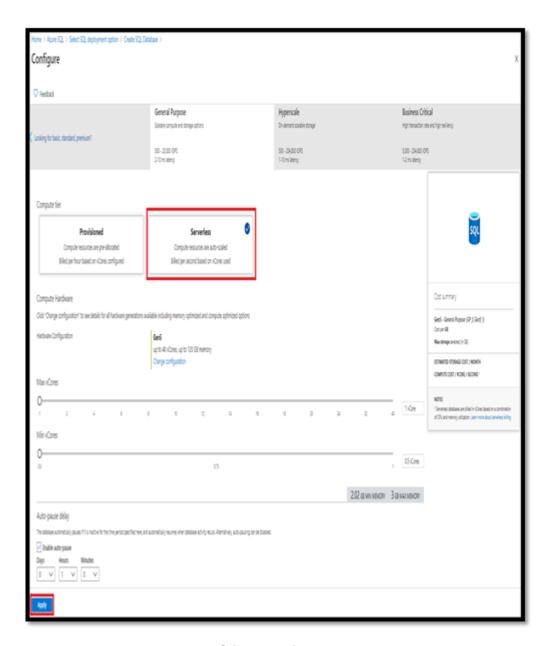
This quickstart creates a single database in the serverless compute tier.

To create a single database in the Azure portal this quickstart starts at the Azure SQL page.

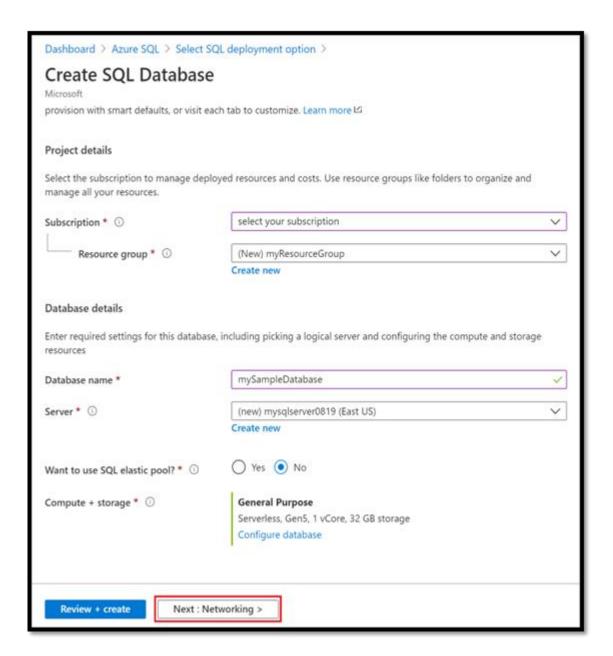
- 1. Browse to the Select SQL Deployment option page.
- 2. Under **SQL** databases, leave **Resource type** set to **Single database**, and select **Create**.



- 3. On the **Basics** tab of the **Create SQL Database** form, under **Project details**, select the desired Azure **Subscription**.
- 4. For **Resource group**, select **Create new**, enter *myResourceGroup*, and select **OK**.
- 5. For **Database name** enter *mySampleDatabase*.
- 6. For **Server**, select **Create new**, and fill out the **New server** form with the following values:
 - **Server name**: Enter *mysqlserver*, and add some characters for uniqueness. We can't provide an exact server name to use because server names must be globally unique for all servers in Azure, not just unique within a subscription. So enter something like mysqlserver12345, and the portal lets you know if it is available or not.
 - Server admin login: Enter azureuser.
 - **Password**: Enter a password that meets requirements, and enter it again in the **Confirm password** field.
 - Location: Select a location from the dropdown list.
 Select OK.

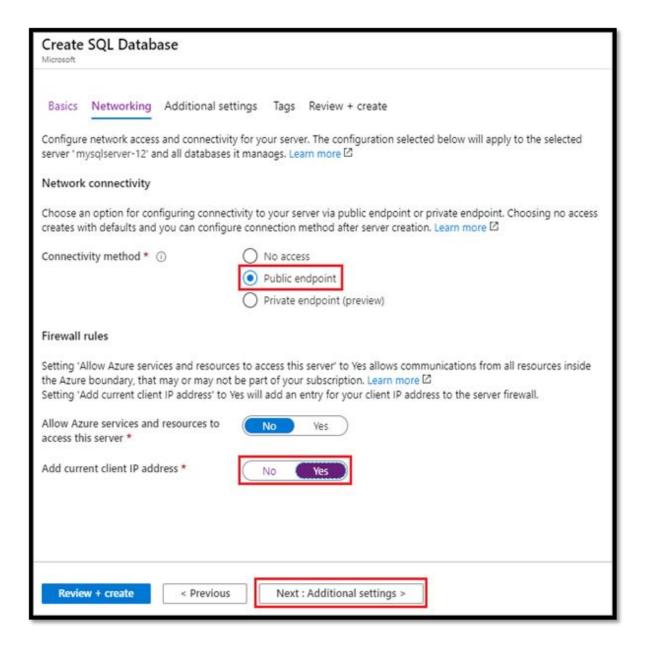


- 7. Leave Want to use SQL elastic pool set to No.
- 8. Under Compute + storage, select Configure database.
- 9. This quickstart uses a serverless database, so select **Serverless**, and then select **Apply**.
- 10. Select **Next: Networking** at the bottom of the page.

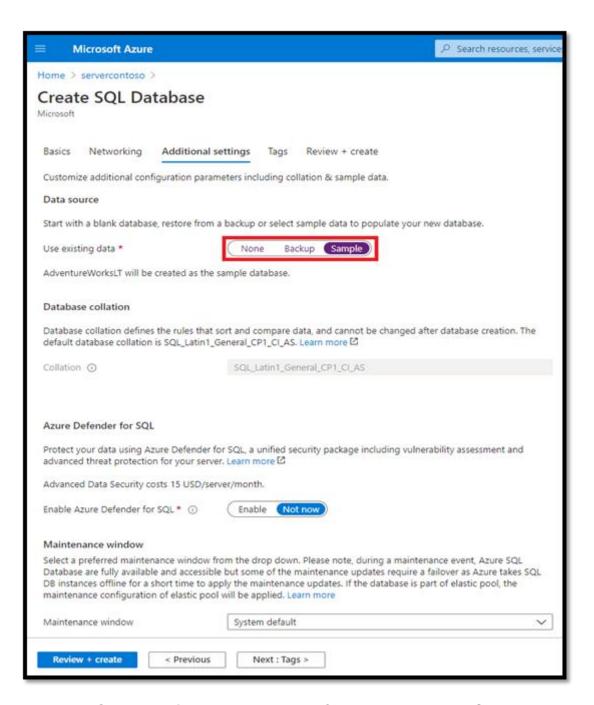


- 11. On the **Networking** tab, for **Connectivity method**, select **Public** endpoint.
 - 12. For Firewall rules, set Add current client IP address to Yes.

 Leave Allow Azure services and resources to access this server set to No.
 - 13. Select **Next: Additional settings** at the bottom of the page.



- 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:



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