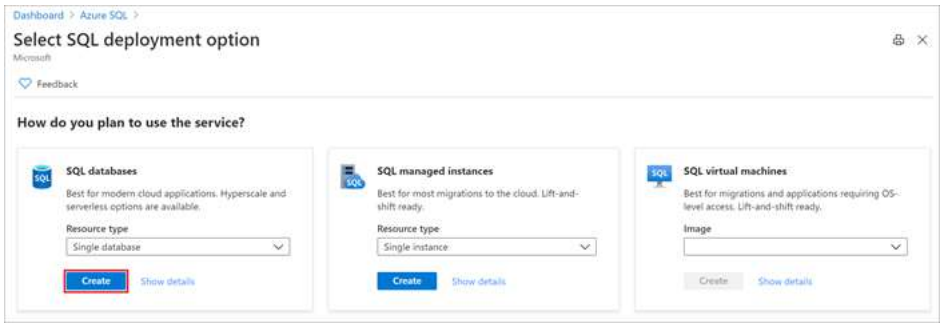
Module 8 - Lab 1: Create an Azure SQL Database single database

In this lab, you create a single database in Azure SQL Database using the Azure portal. You then query the database using Query editor in the Azure portal.

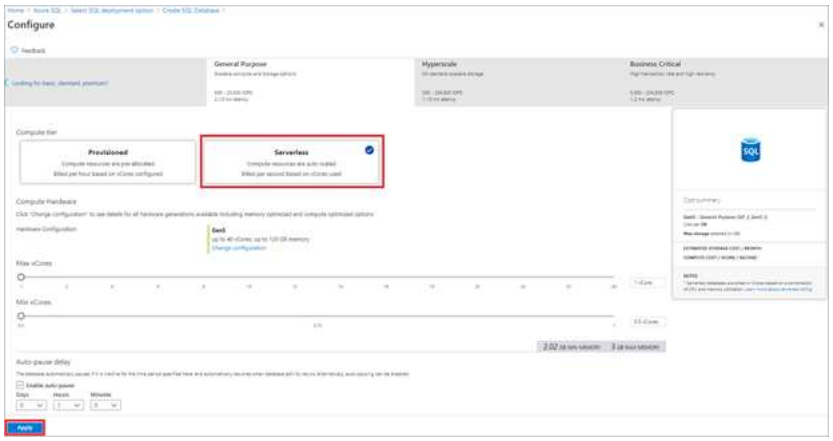
Task 1 - Create a single database

- [ ] 1. Open a browser and navigate to the Azure Portal: https://portal.azure.com
- [ ] 2. Log in as sheikhnasirM8ERJ@gdcs1.com with the password lZuoYRaJKO6XPNRo
- [ ] 3. Browse to the the Select SQL Deployment option page using the following URL: https://portal.azure.com/#create/Microsoft.AzureSQL
- [ ] 4. Under SQL databases, leave Resource type set to Single database, and select **Create**.

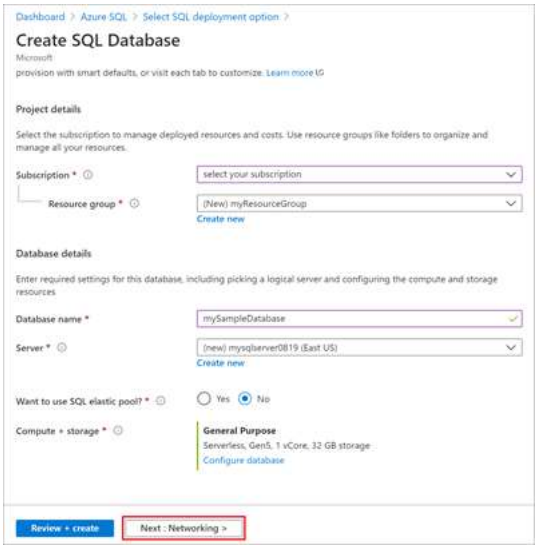


- [ ] 5. On the Basics tab of the Create SQL Database form, under Project details, select the desired Azure Subscription.
- [ ] 6. For Resource group, select **myResourceGroup-C3NQ4EHSUI**
- [ ] 7. For Database name enter mySampleDatabase.
- [ ] 8. For Server, select Create new, and fill out the New 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 lZuoYRaJKO6XPNRo
    - Location: **East US**

  Select **OK**.
- [ ] 9. Leave Want to use SQL elastic pool set to **No**.
- [ ] 10. Under Compute + storage, select **Configure database**.
- [ ] 11. This lab uses a serverless database, so select Serverless, and then select **Apply**.



- [ ] 12. Select **Next: Networking** at the bottom of the page.



- [ ] 13. On the Networking tab, for Connectivity method, select **Public endpoint**.
- [ ] 14. For Firewall rules, set **Add current client IP** address to Yes. Leave Allow Azure services and resources to access this server set to No.
- [ ] 15. Select **Next: Security** at the bottom of the page.
- [ ] 16. Select **Next: Additional settings** at the bottom of the page.
- [ ] 17. 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.
- [ ] 18. Select **Review + create** at the bottom of the page:
- [ ] 19. On the Review + create page, after reviewing, select **Create**.

Task 2: Query the 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.
    - Server admin login: Enter azureuser
    - Password: Enter lZuoYRaJKO6XPNRo
- [ ] 4. Enter the following query in the Query editor pane.

```
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.