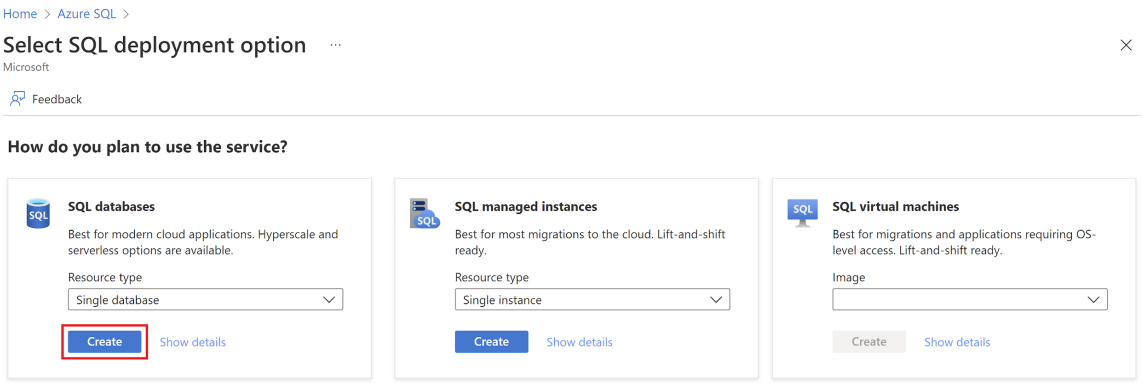
Create a single database - Azure SQL Database

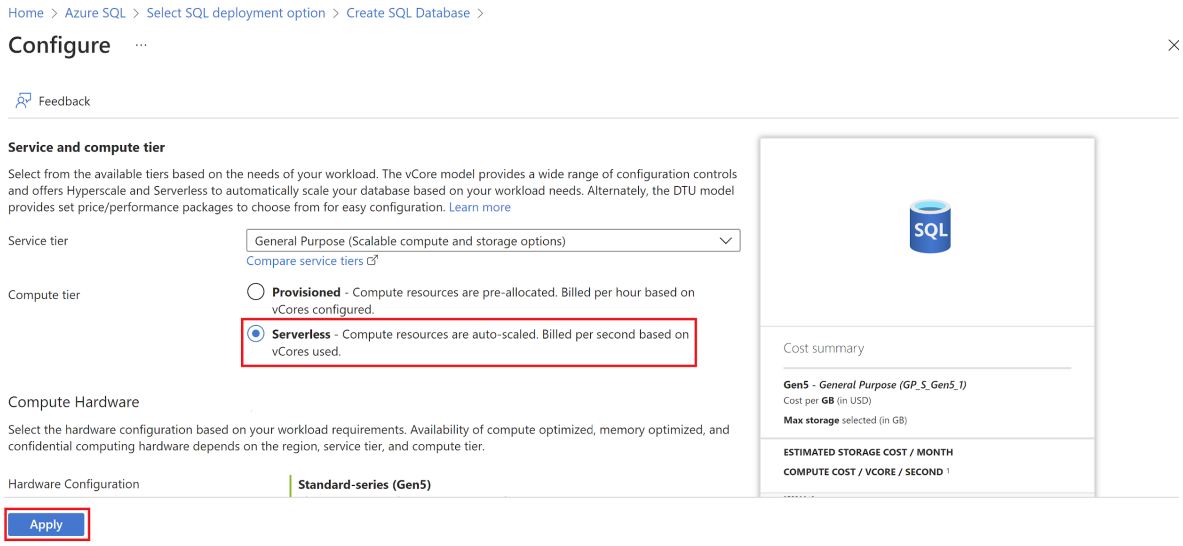
To create a single database in the Azure portal, this quickstart starts at the Azure SQL page.

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

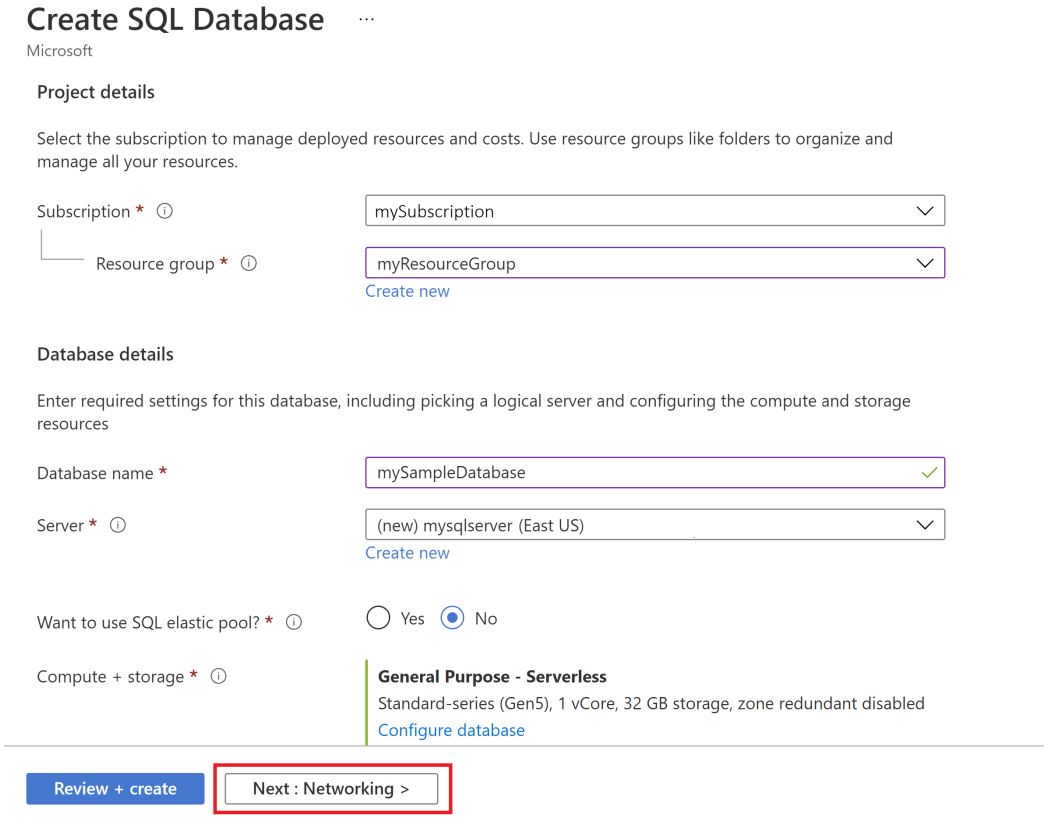


3. On the Basics tab of the Create SQL Database form, under Project details, select the desired Azure Subscription (**Azure for Students**).
4. For the Resource group, select Create new, enter *myResourceGroup*, and select OK.
5. For Database name, enter ***ExercisesDatabase***.
6. For Server, select 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`, where 12345 can be your student_id, and the portal lets you know if it's available or not.
   - Location: Select a location (**East US**) from the dropdown list.
   - Authentication method: Select **Use SQL authentication**.
   - Server admin login: Enter ***azureuser***.
   - Password: Enter a **password** that meets requirements, and enter it again in the Confirm password field. **Don’t forget your password.**
7. Select OK.
8. Leave Want to use SQL elastic pool set to **No**.
9. Workload environment: Production
10. Under Compute + storage, select Configure database.
11. This quickstart uses a serverless database, so

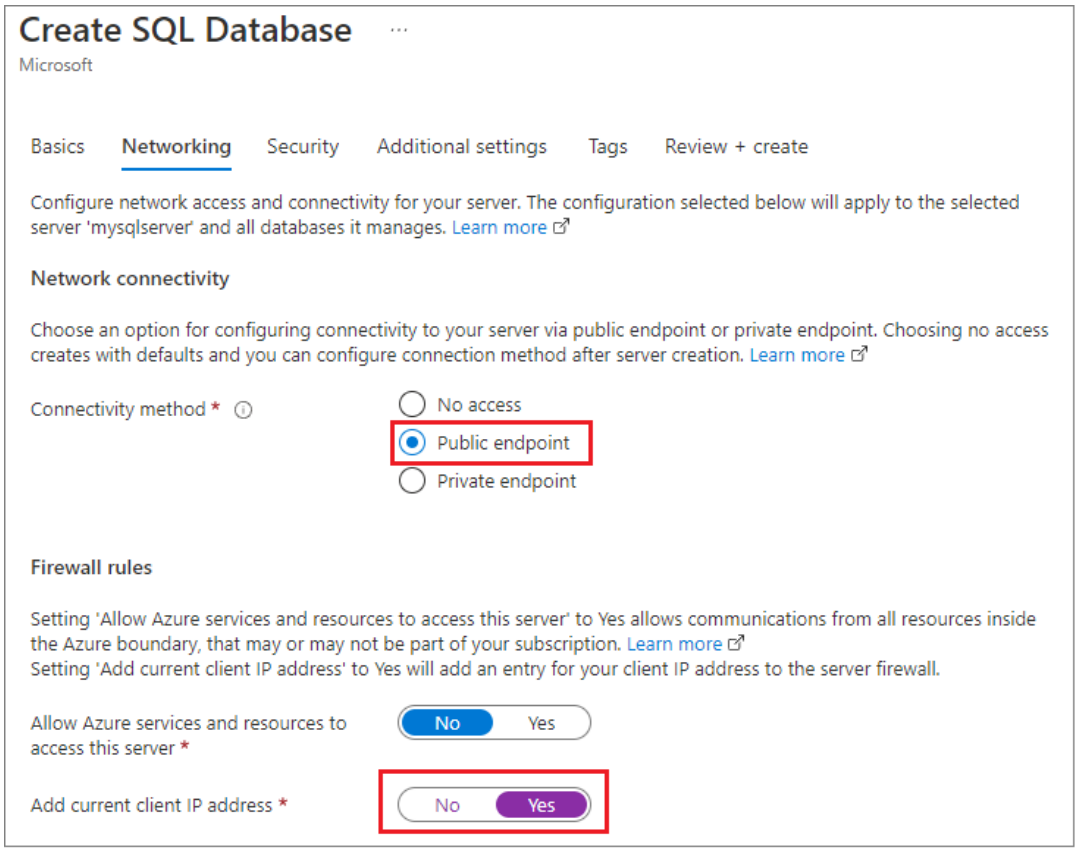
- leave Service tier set to **General Purpose** (Scalable compute and storage options).
- Set Compute tier to **Serverless**. Select Apply.
- Set Max vCores to 1.
- Set auto-pause delay to 1 hour.
- Set Data max size to 8GB.
- Leave Would you like to make this database zone redundant to No.
- Click Apply



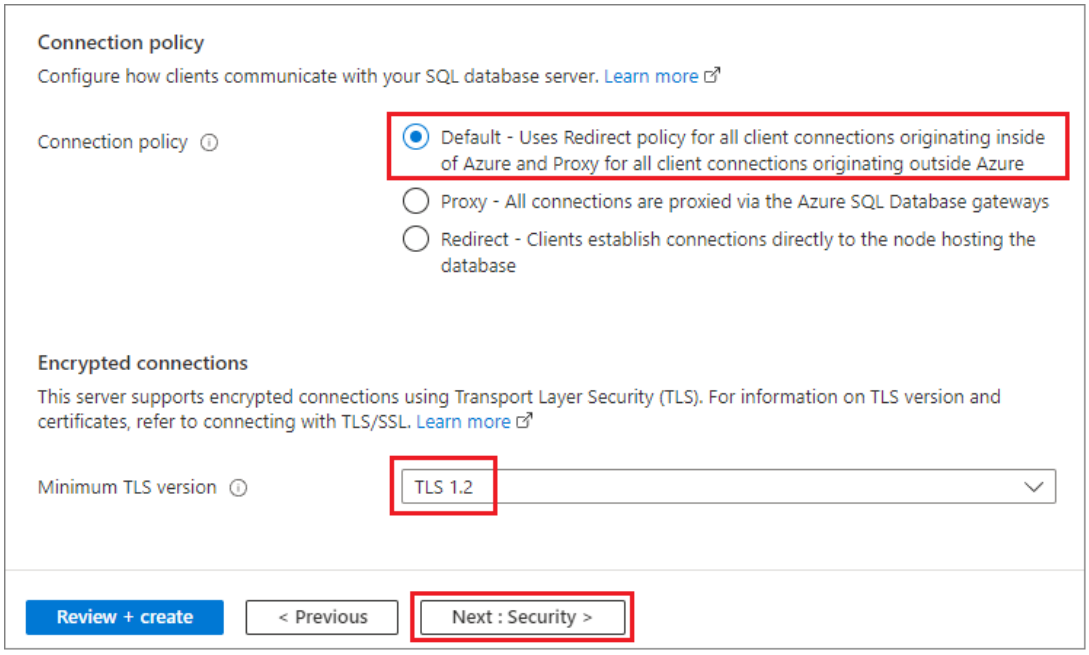
12. Under Backup storage redundancy, choose Geo-redundant backup storage.
13. Select Next: Networking at the bottom of the page.



14. On the Networking tab, for Connectivity method, select Public endpoint.
15. For Firewall rules, set Add current client IP address to Yes. Leave Allow Azure services and resources to access this server set to No.

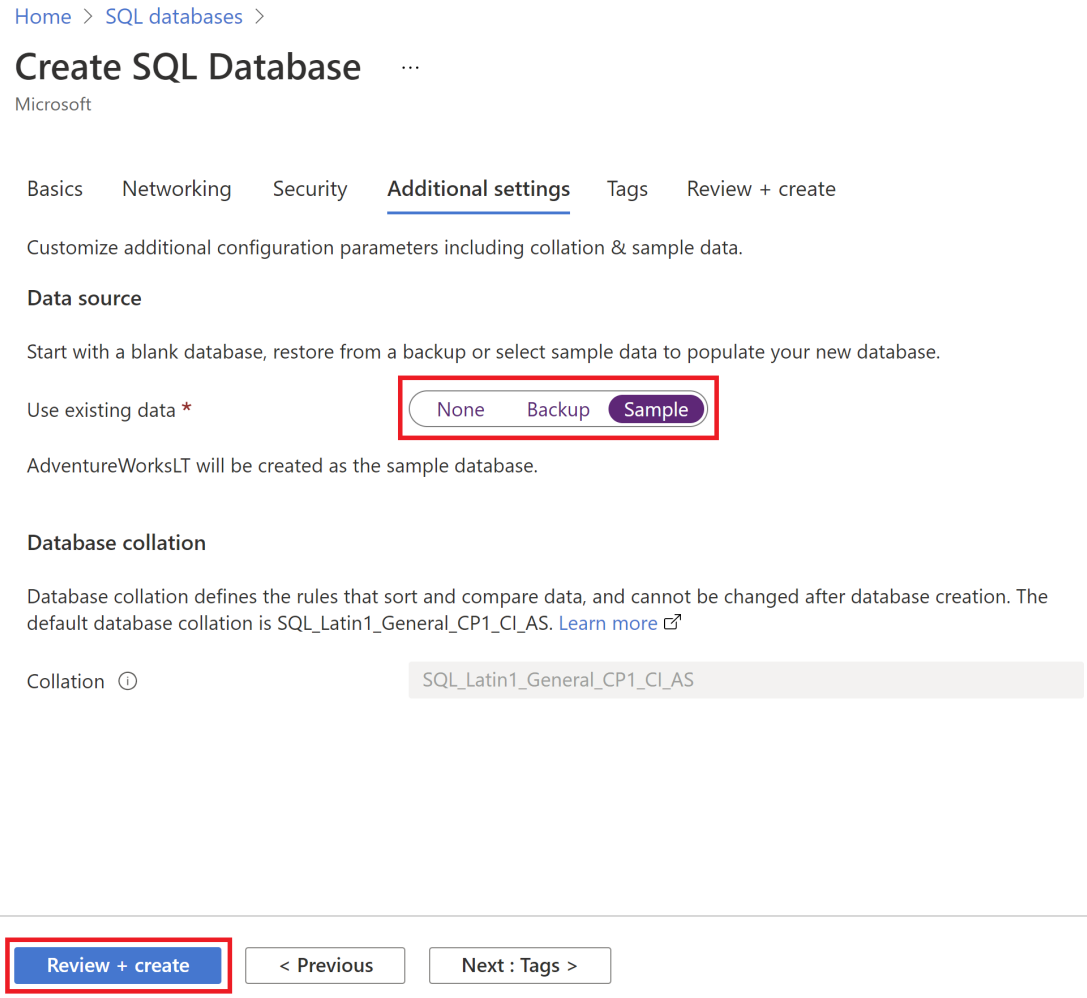


16. Under Connection policy, choose the Default connection policy, and leave the Minimum TLS version at the default of TLS 1.2.
17. Select Next: Security at the bottom of the page.



18. On the Security page, leave Enable Microsoft Defender for SQL to **Not now.**
19. On the Additional settings tab

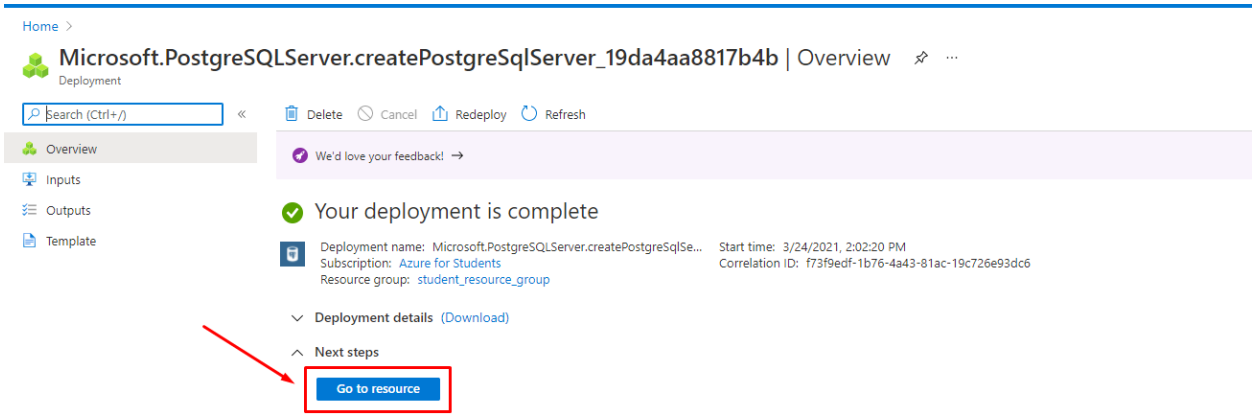
- In the Data source section, for Use existing data, select **Sample**.
- Select **Review + create** at the bottom of the page:



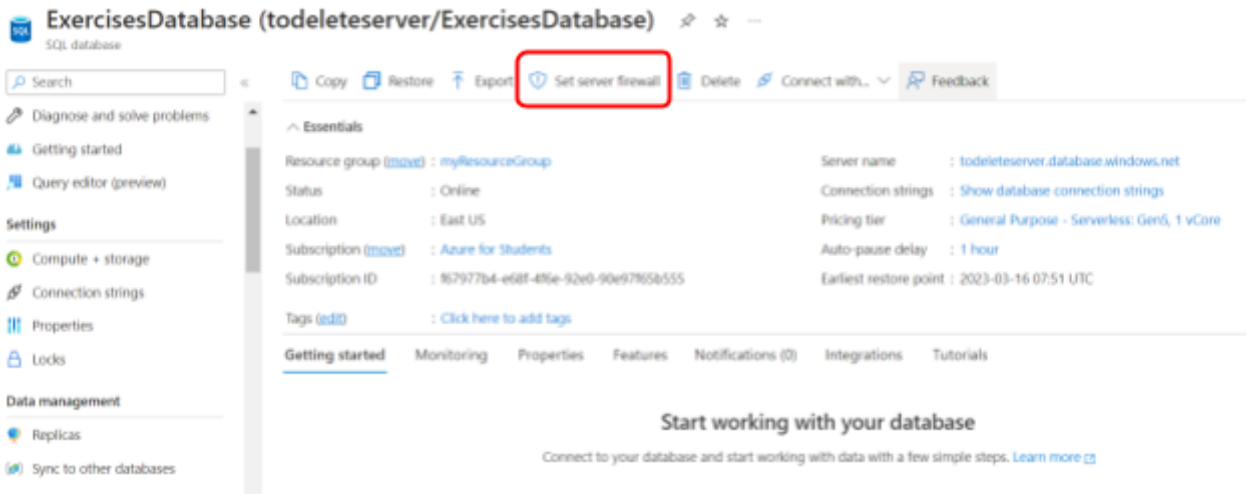
20. On the Review + create page, after reviewing, select Create.

Set Server Firewall

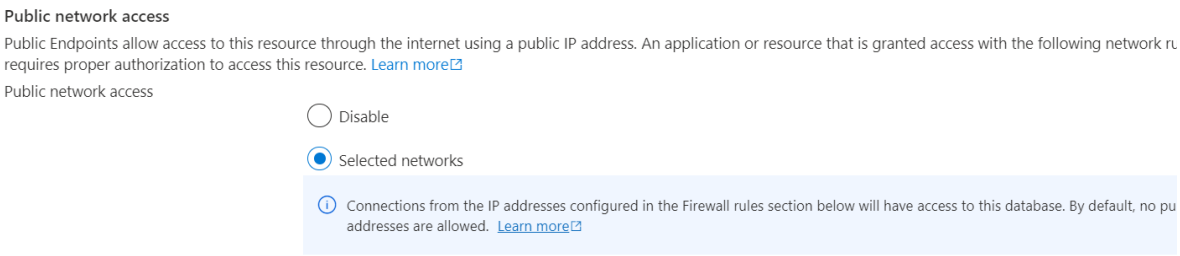
21. Once the process above is finished press “Go to resource”



22. You should be redirected to your control panel. Go to the “Set server firewall” tab:

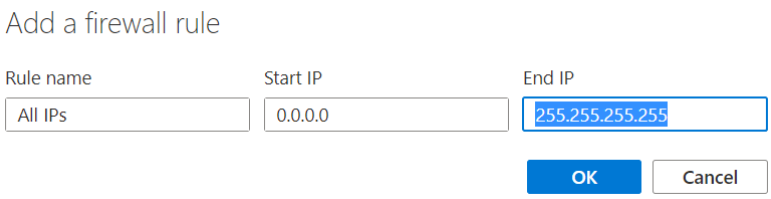


- Go to the “Public Access Tab”
- In the Public network access Set “Selected Networks”



- Go to Firewall rules and click “Add a firewall rule”

- Add a new firewall rule named “All IPs” with a start-ip of 0.0.0.0 and an end ip of 255.255.255.255 and click ok



- Click “Allow Azure services and resources to access this server” and click Save