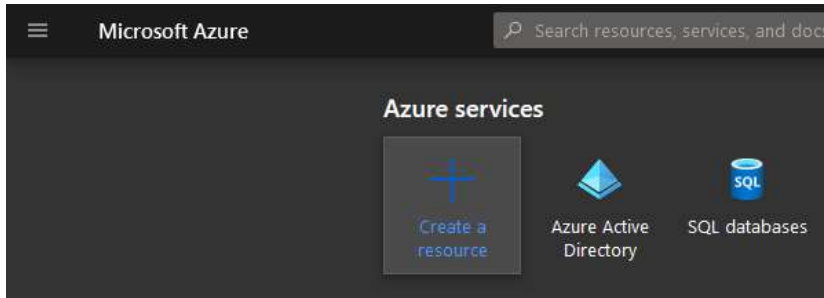


# Azure - Azure SQL - Create a Database

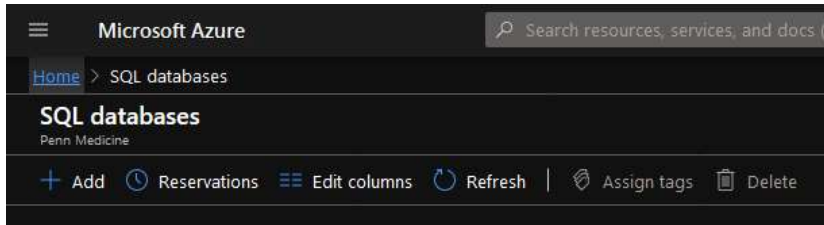
Tuesday, March 31, 2020 6:47 AM

Before you can create a **SQL Database**, you must create a **SQL Database Server**.

1. Sign into the Azure Portal.
2. In the Home view, click **SQL databases**.



3. On the **SQL databases** page, click **Add** to create a new database.



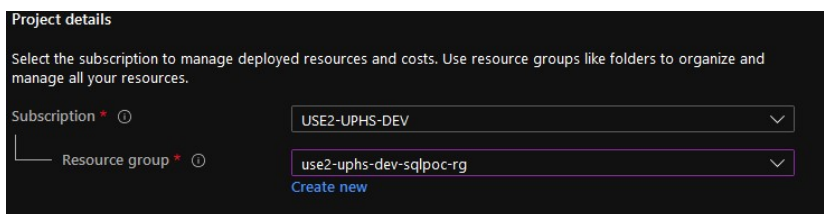
4. The **Create SQL Database** page appears.

Under the **Basics** section, fill out the following fields:

- **Subscription:** Used to pay for Azure cloud services. You can have many subscriptions.
- **Resource Group:** Logical collections of virtual machines, storage accounts, databases, etc. Typically, users will group related resources for an application or group under resource groups.
- **Database name:** Fill in the name of the database.
- **Server:** Create a new server or use an existing one to house the Azure SQL database.
- **Elastic pool:** A simple, cost-effective solution for managing and scaling multiple databases that have varying and unpredictable usage demands. The databases in an elastic pool are on a single Azure SQL Database Server and share a set number of resources at a set price.
- **Compute + storage:** Choose the processing power and storage capacity of the new server.

5. Under the **Project details** section, select the subscription and resource groups.

For **Subscription**, choose '**USE2-UPHS-DEV**' since this is for a test database, and for **Resource group** select the DBA development container '**uses2-uphs-dev-sqlpoc-rg**'.



6. Under the **Database details** section, enter **Database name** and, in this case for **Server**, click **Create new**.

The **New server** blade opens. Fill in the following fields:

**New server**  
Microsoft

Server name \*  
azr-sqltst-02  
.database.windows.net

Server admin login \*  
dbadmin

Password \*

Confirm password \*

Location \*  
(US) East US 2

☐ Allow Azure services to access server ⓘ

**Note:** Allowing Azure services to access server permits resources inside the Azure boundary, that may or may not be part of your subscription.

Click **OK**.

**Database details**

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

Database name \*  
sqltst02 ✓

Server ⓘ  
(new) azr-sqltst-02 (East US 2)  
[Create new](#)

Choose 'No' for **Want to use SQL elastic pool**, and keep **Compute + storage** set to the default.

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

Compute + storage \* ⓘ  
**General Purpose**  
Gen5, 2 vCores, 32 GB storage  
[Configure database](#)

**Note:** If you want to see other compute and storage options, click **Configure database**.

- Click **Networking** to configure network access and connectivity for your server.

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

- Under **Network connectivity**, for **Connectivity method**, select **Public endpoint**, and click **+Add private endpoint**.

**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

9. Under the **Firewall rules**, select '**No**' for **Allow Azure services and resources to access this server**. Select '**Yes**' to **Add current client IP address**.

**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

10. Click **Next: Additional settings>**.

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

11. Under the **Data source** section, for Use existing data select **None**.

**Data source**

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

Use existing data \* ☒ None ☐ Backup ☐ Sample

12. Under **Database collation**, leave the default unless necessary to change.

**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 \*  [Find a collation](#)

13. Under **Advanced data security**, choose **Not now** unless we have a subscription to the product.

**Advanced data security**

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

Get started with a 30 day free trial period, and then 16.2333 USD/server/month.

Enable advanced data security \* ☐ Start free trial ☒ Not now

14. Click **Next: Tags >**.

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

15. Under **Tags**, you categorize the resources. This is used for reporting and billing purposes.

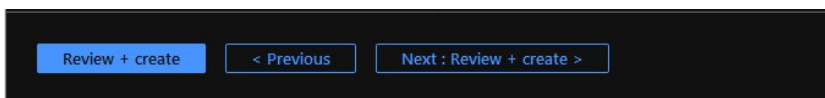
[Basics](#) [Networking](#) [Additional settings](#) [Tags](#) [Review + create](#)

Tags are name/value pairs that enable you to categorize and view consolidated billing by applying the same tag to multiple resources and resource groups. [Learn more](#)

Note that if you create tags and then change resource settings on other tabs, your tags will be automatically updated.

Name	Value	Resource
group	: dba	All resources
	:	2 selected

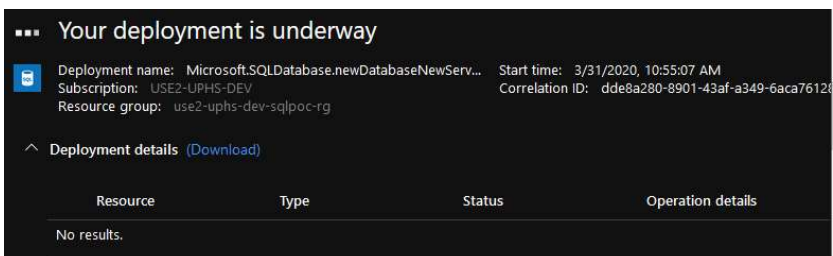
16. Click **Next: Review + create >**.



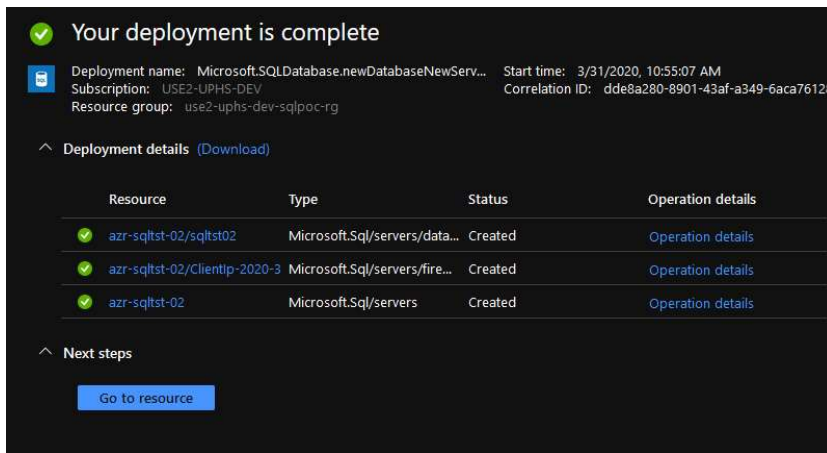
17. Review the details, and click **Create**.

The screenshot shows the 'Review + create' page for a Microsoft SQL database. It includes tabs for 'Basics', 'Networking', 'Additional settings', 'Tags', and 'Review + create'. The 'Product details' section shows 'SQL database by Microsoft' with links for 'Terms of use' and 'Privacy policy', and an 'Estimated cost per month' of 410.82 USD. The 'Terms' section contains a legal disclaimer. The 'Basics' section lists configuration details: Subscription (USE2-UPHS-DEV), Resource group (use2-uphs-dev-sqlpoc-rg), Region (East US 2), Database name (sqltst02), Server ((new) azr-sqltst-02), and Compute + storage (General Purpose: Gen5, 2 vCores, 32 GB storage). The 'Networking' section shows 'Allow Azure services and resources to access this server' set to 'No', 'Add current client IP address 170.212.0.95' set to 'Yes', and 'Private endpoint' set to 'None'. The 'Additional settings' section shows 'Use existing data' as 'Blank', 'Collation' as 'SQL\_Latin1\_General\_CP1\_CI\_AS', and 'Advanced data security' as 'Not now'. The 'Tags' section shows two tags: 'group dba (Database)' and 'group dba (Server)'. At the bottom, there is a 'Create' button, a '< Previous' button, and a link to 'Download a template for automation'.

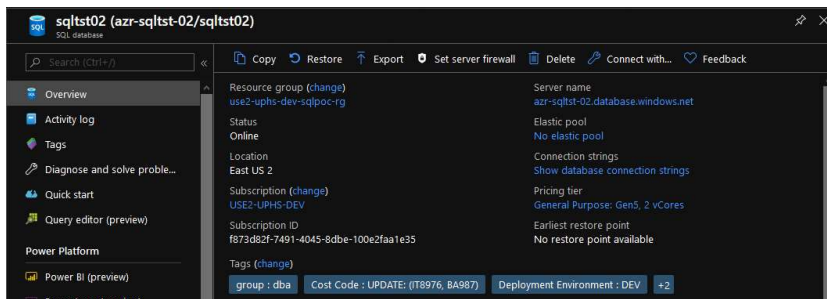
18. The deployment process begins.



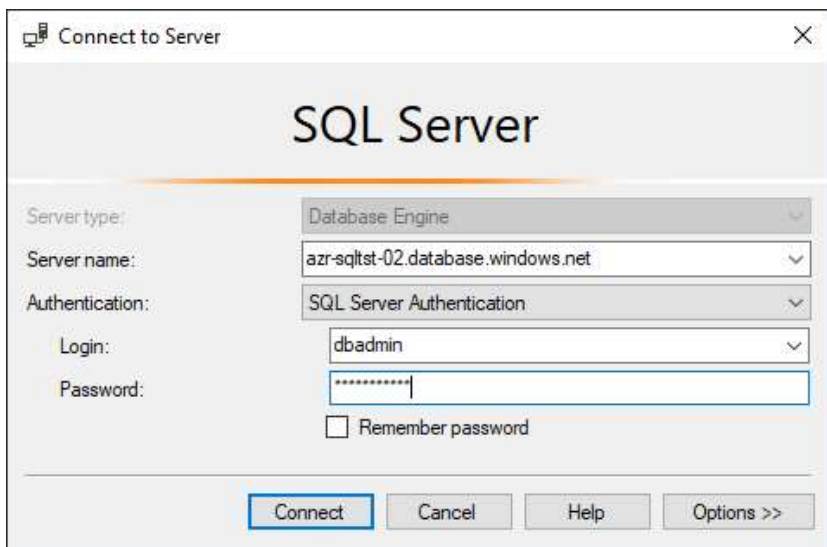
19. The following screen will appear if your configuration was successfully deployed. Click **Go to resource** to review the resource.



20. Under the resource page, you see all the settings where you can managed your object and make additional changes.



21. Open **SSMS**, and connect to the new server/database with the '**dbadmin**' account used to create the new SQL Server.



22. Once connected you will see the '**sqltst02**' database.

