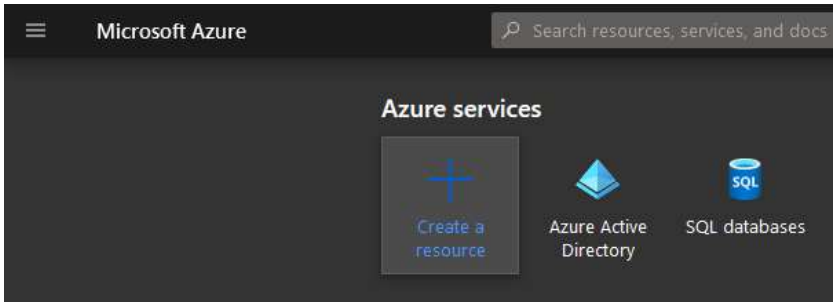
# Azure - Azure SQL - Create a Database

Tuesday, March 31, 2020 6:47 AM

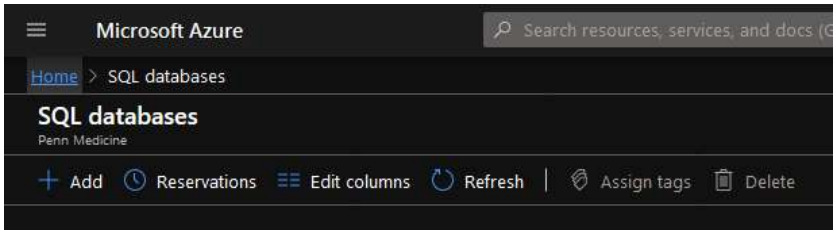
Before you can create a **SQL Database**, you must create a **SQL Database Server**.

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.



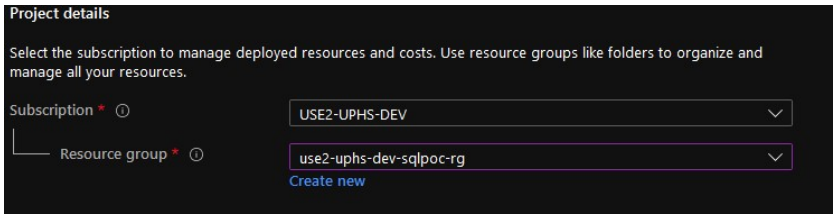

4. The **Create SQL Database** page appears.

   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. Typcially, 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.
   - **Compuate + storage**: Choose the processing power and storage capacity of the new server.

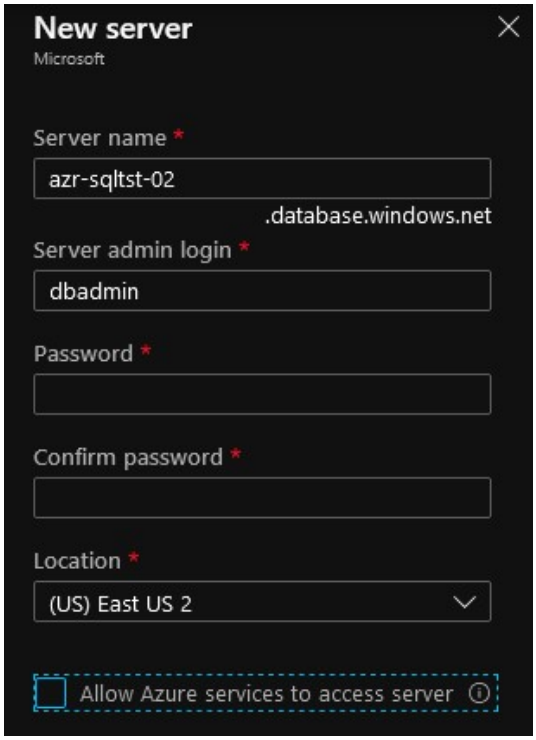
5. Under the **Project details** section, select the subscription and resource groups.

   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'**.



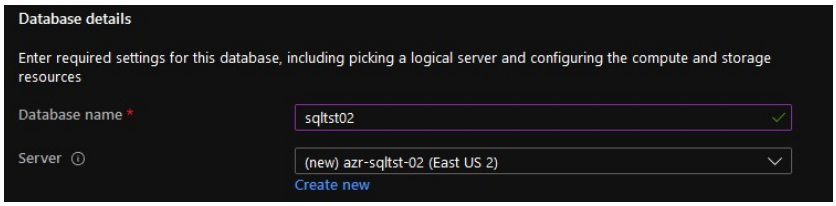

6. Under the **Database details** section, enter **Database** name and, in this case for **Server**, click **Create new**.

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




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

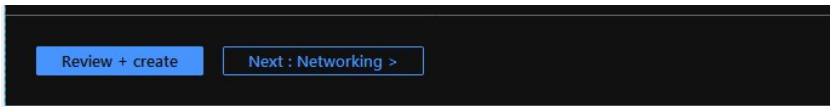
Click **OK**.



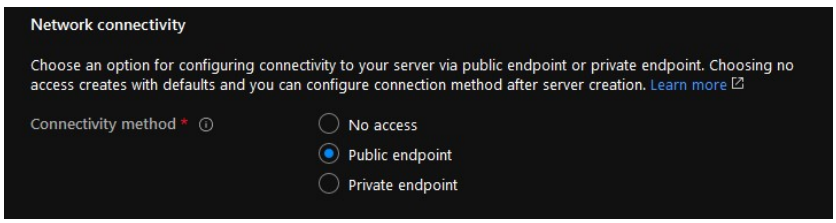

Choose '**No**' for **Want to use SQL elastic pool**, and keep **Compute + storage** set to the default.


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

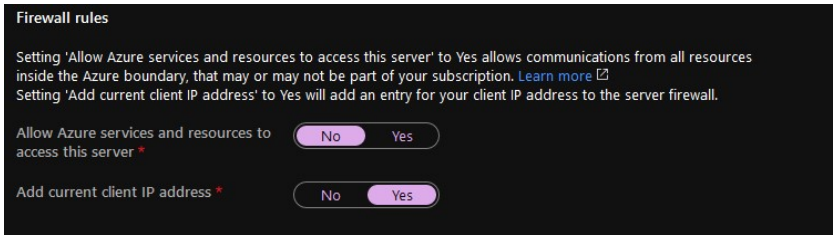
7. Click **Networking** to configure network access and connectivity for your server.



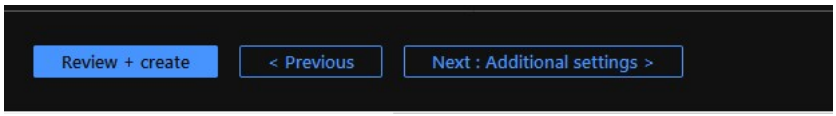

8. Under **Network connectivity**, for **Connectivity method**, select **Public endpoint**, and click **+Add private endpoint**.



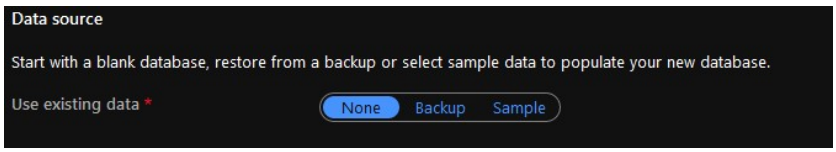
9. Under the **Firewall rules**, select '**No**' for **Allow Azure services and resources to access this server**. Select '**Yes**' to **Add current client IP address**.



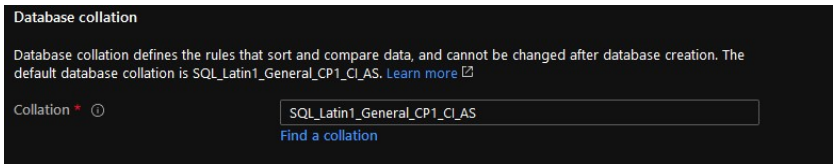

10. Click **Next: Additional settings>**.



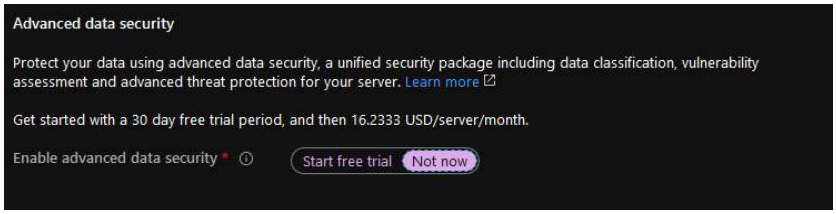

11. Under the **Data source** section, for Use existing data select **None**.



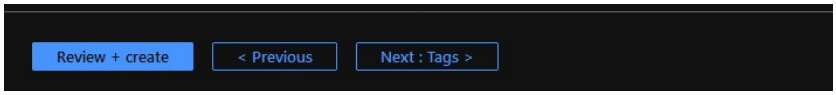

12. Under **Database collation**, leave the default unless necessary to change.



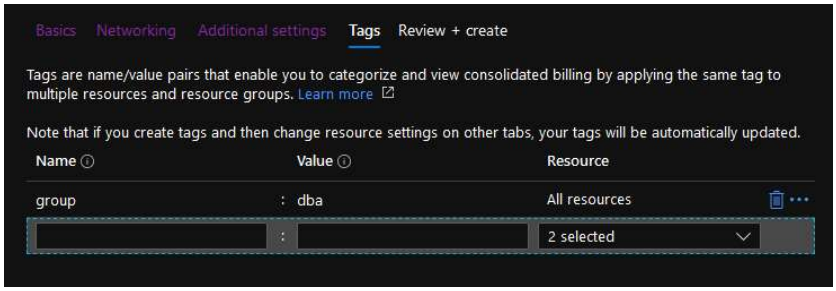

13. Under **Advanced data security**, choose **Not now** unless we have a subscription to the product.



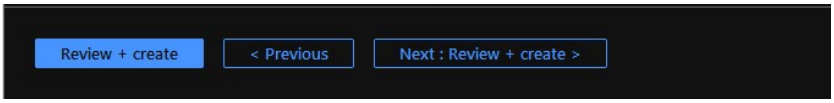

14. Click **Next: Tags >**.



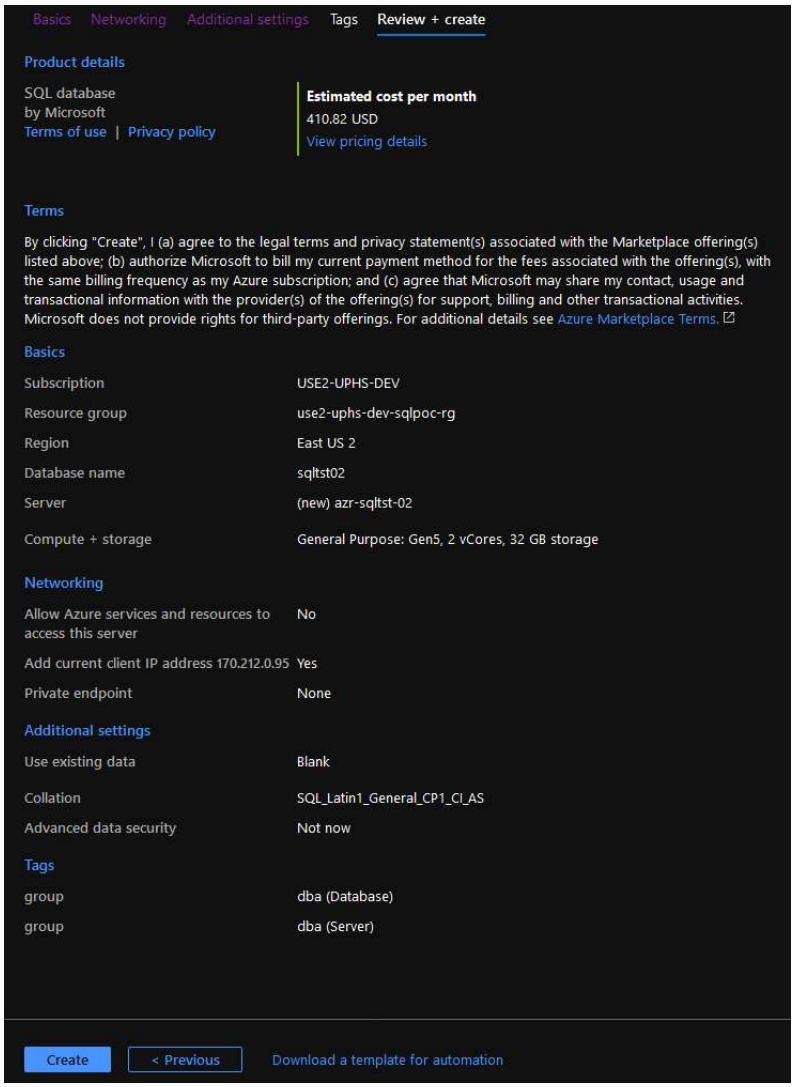

15. Under **Tags**, you categorize the resources. This is used for reporting and billing purposes.



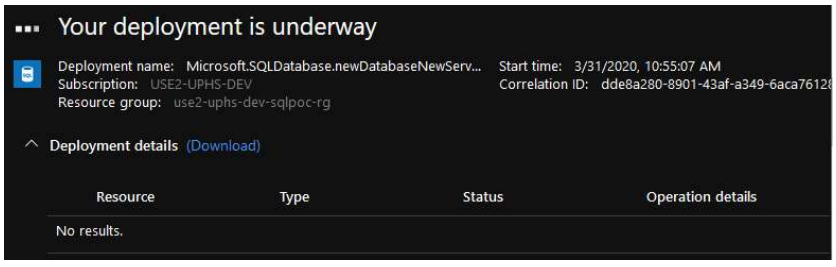
16. Click **Next: Review + create >**.



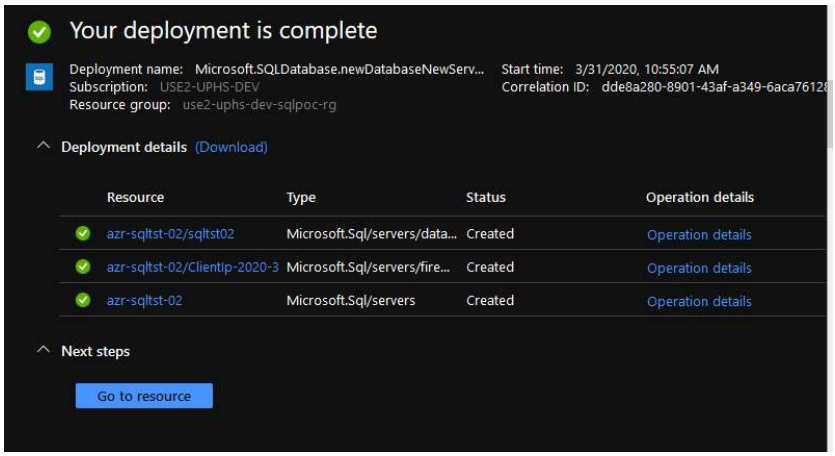

17. Review the details, and click **Create**.



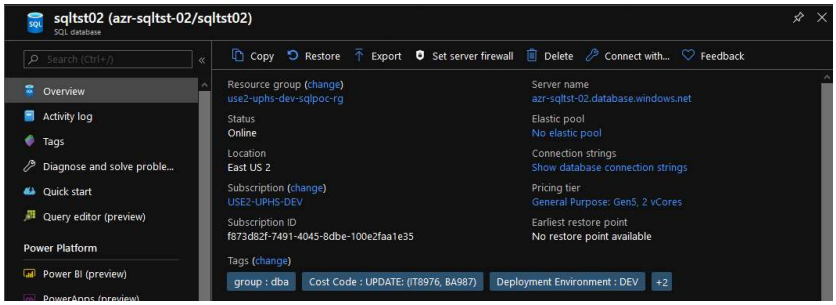

18. The deployment process begins.



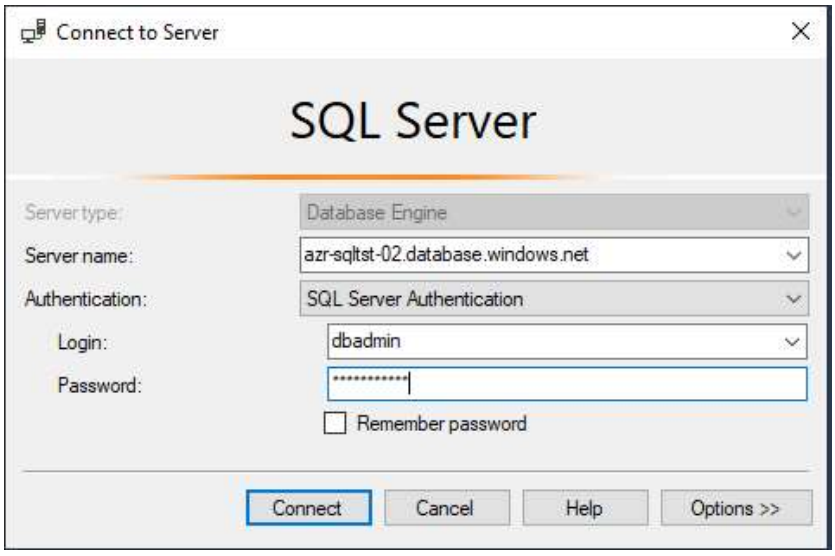

19. The following screen will appear if your configuration was successfully deployed. Click **Go to resource** to review the resource.




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.