# Create an Azure SQL Database

Template Version: 2.0

**Introduction**

During this lab, you will learn how to create a new logical SQL Server, how you can configure the firewall rules and how you can create an Azure SQL Database.

**Estimated Time**

20 minutes

**Objectives**

At the end of this lab, you will be able to:

- Create a logical SQL Server
- Configure Firewall Rules
- Create an Azure SQL Database

**Logon Information**

Use the following credentials to login into virtual environment

- Username: Administrator
- Password:  Password1

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# Lab Title 1: Create Your First Azure SQL Database

During this lab, you will learn how to create a new logical SQL Server, how you can configure the firewall rules and how you can create an Azure SQL Database.

## Exercise 1: This lab requires the use of an Azure Trial account.

This exercise shows how to use Azure Trial account.

### Tasks

1. **Get Your Trial Azure subscription**

   This lab requires the use of an Azure Trial account. Please go to https://azure.microsoft.com/en-us/free and follow the steps to create your own account prior to starting the lab.

*Exercise 1 has been completed*

## Exercise 2: Create a new SQL Server (logical server)

The first step in creating an Azure SQL Database is creating a "Azure SQL Server". In this exercise, you're going to create your first Azure SQL Server.

### Tasks

1. **Connect to the Virtual Machine**

   Under the Commands menu, select **Ctrl+Alt+Delete**. Then from the Commands menu again select Paste, then Paste Password. Then press Enter to logon to machine.

2. **Connect to Microsoft Azure Portal**

   Open Internet Explorer and navigate to http://ms.portal.azure.com to connect to Microsoft Azure Portal. Login with your subscriptions credential.

3. **Find SQL Server (logical server)**

   **Click** New, fill in "SQL Server (logical server)" and press Enter
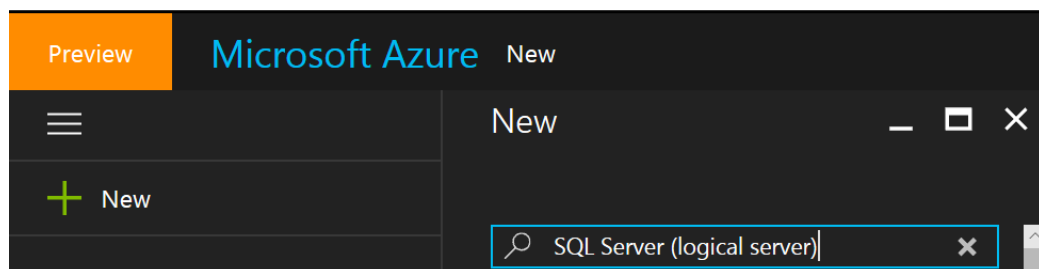
4.  **Click SQL Server (logical server)**

    Navigate to the result window **click** SQL Server (logical server)

5.  **Create SQL Server (logical server)**

    Navigate to the SQL Server (logical server) window and **click** the Create button

6.  **Configure the SQL Server (logical server)**

    Specify the following options of your logical server and **click** Create button.

    **Server Name:** myazuresrv

    **Server Admin Login:** AzureAdmin
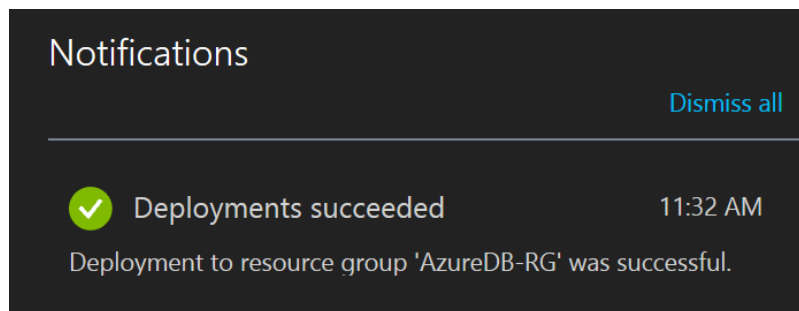
    **Password:** Passw0rd1

    **Confirm password:** Passw0rd1

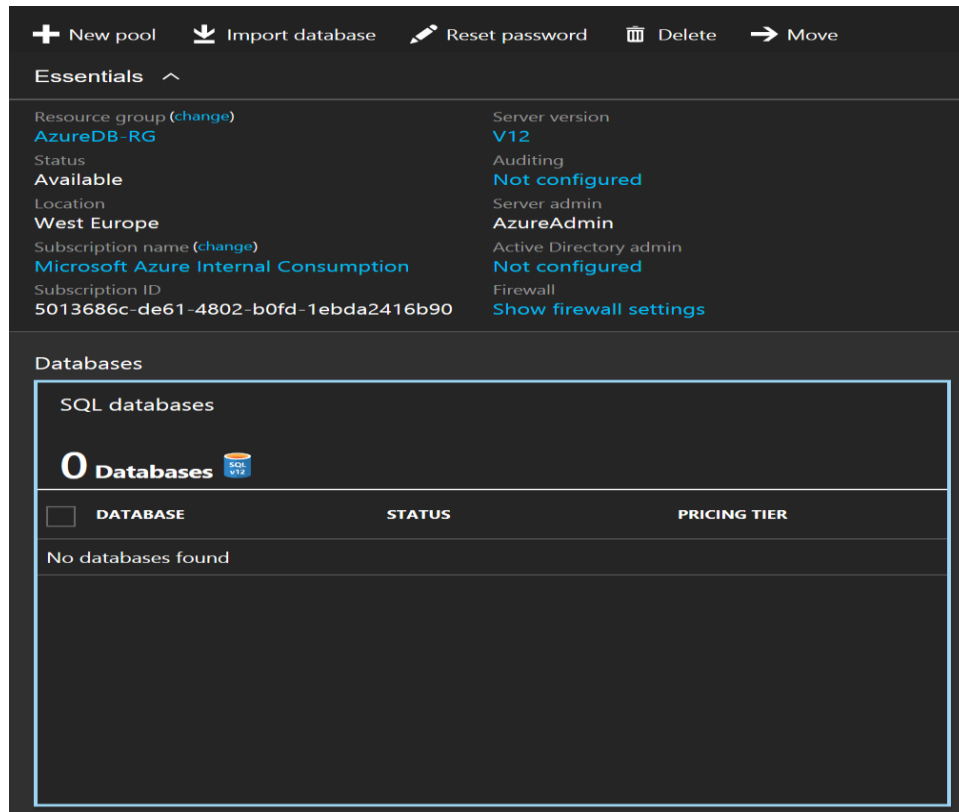    **Subscription:** Select your subscription

    **Resource Group:** Create New and specify the name AzureDB-RG

    **Location:** Select the location that is the closest to your location

7. **Examine the server**

Check the details



*Exercise 2 has been completed*

# Exercise 3: Create firewall rules

By default, nobody can connect to the logical server that you have created. To allow connections, you need to configure the SQL Server or database Firewall rules

## Tasks

1. **Connect to Microsoft Azure Portal**

   Open Internet Explorer and navigate to [http://ms.portal.azure.com](http://ms.portal.azure.com) to connect to Microsoft Azure Portal. Login with your subscriptions credential.

2. **Show firewall settings**

   Navigate to the server **myazuresrv** that you have created in Exercise 2 and **click** Show firewall settings

3. **Add Client IP**

   Click Add Client IP

4. **Set the Rule Name**

Change the rule name to Microsoft Office, examine the start IP and end IP and **Click** Save

*Exercise 3 has been completed*

# Exercise 4: Create an Azure SQL Database

After creating the logical SQL Server and the firewall rules, we can create the database

## Tasks

1. **Connect to Microsoft Azure Portal**

   Open Internet Explorer and navigate to [http://ms.portal.azure.com](http://ms.portal.azure.com) to connect to Microsoft Azure Portal. Login with your subscriptions credential.

2. **Find SQL Database**

   Click New, fill in "SQL Database" and press Enter

3. **Click SQL Database**

   Navigate to the result window and click SQL Database

4. **Create SQL Database**

   Navigate to the SQL Database windows and click Create

5. **Configure the SQL Database**

   Specify the following options and **click** Create button

   **Database name:** Salesdb

   **Subscription:** Select your subscription

   **Resource Group:** Use Existing and select the Resource Group AzureDB-RG

   **Select Source:** Blank Database
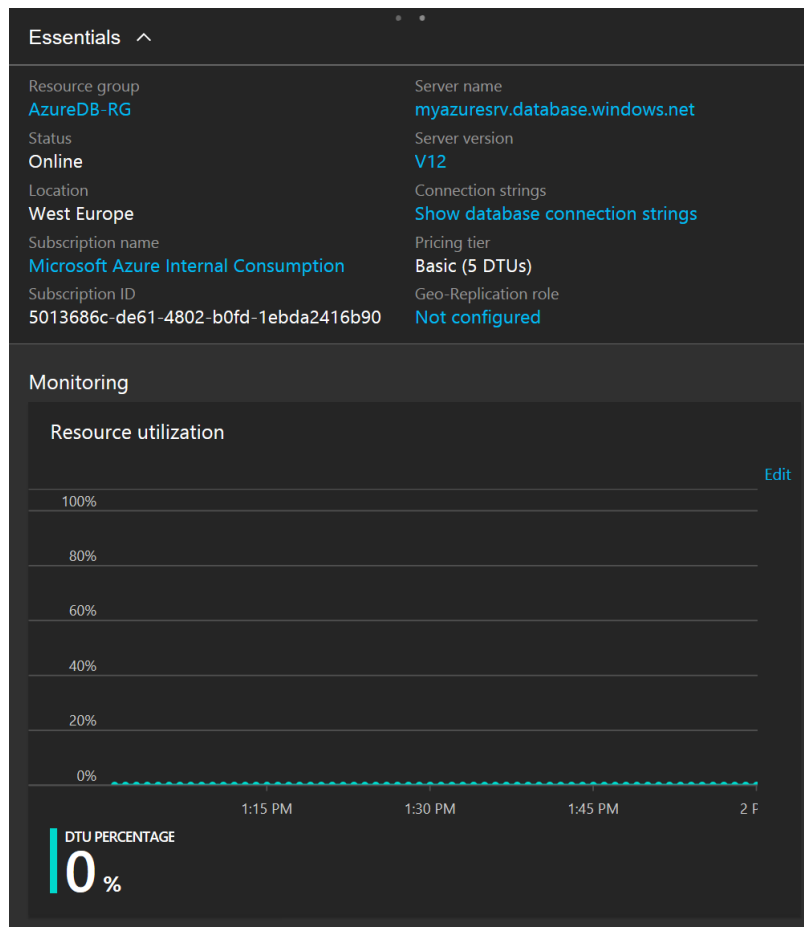
   **Server:** Myazuresrv

   **Want to use SQL elastic pool?:** Not now

   **Pricing Tier:** Basic

   **Collation:** SQL_Latin1_General_CP1_CI_AS

### 6. Examine the Database

Check the details



*Exercise 4 has been completed*