Azure SQL Database and configuring SQL server

This demo will help you in creating an Azure SQL database, creating a new SQL server and establishing the SQL server from server explorer.
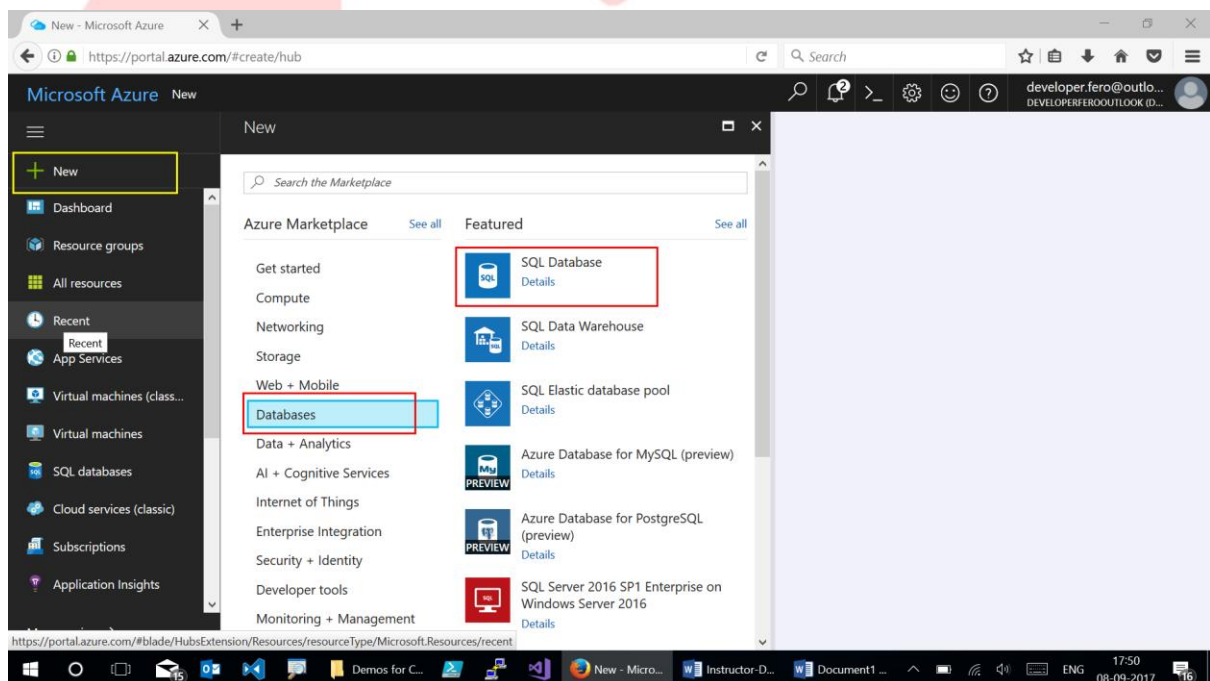
Pre-requisites:

- Azure Subscription
- Visual Studio 2015

Note – its recommended to create a virtual machine with Visual Studio Community 2015 on a Windows Sever, refer the previous handouts to create this lab vm.

**Follow the below steps now:**

Step – 01:

Login to the azure portal using – www.portal.azure.com and click on New → Databases → SQL Database.

Enter the below details:

- Database name – enter a database name
- Subscription – select a subscription
- Resource group – create a new resource group or select the existing one
- Select source – use the same database source of AdventureWorksLT
- Server – Create a new server by setting the server name, server admin login, password, confirm the password and select the location. Click on select after configuring the details.
- SQL elastic pool – No
- Pricing tier – set the pricing tier for standard

Click on Create once after configuring all the above details.
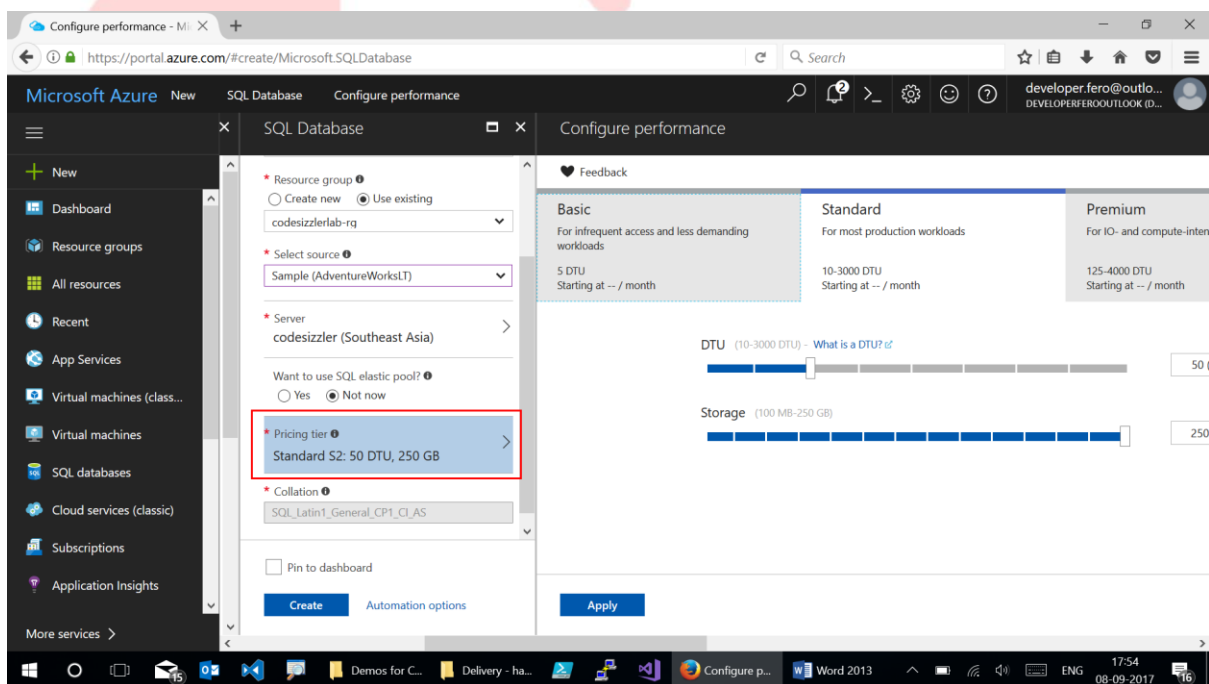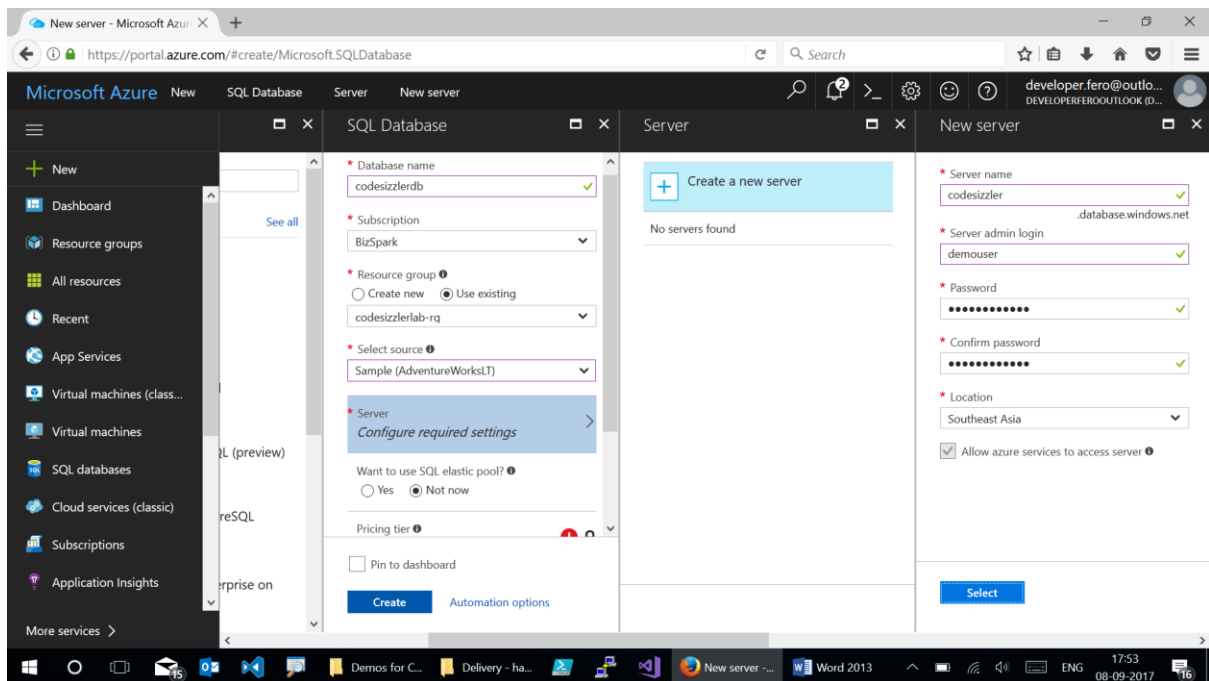
Below are the different pricing tiers as Basics, Standard, Premium, PremiumRS and click on apply.

Basic	Standard	Premium	PremiumRS
For infrequent access and less demanding workloads	For most production workloads	For IO- and compute-intensive workloads.	For IO- and compute-intensive w reduced availability and durability
5 DTU	10-3000 DTU	125-4000 DTU	125-1000 DTU
Starting at -- / month	Starting at -- / month	Starting at -- / month	Starting at -- / month

DTU (10-3000 DTU) - What is a DTU? ⬀

50 (S2)

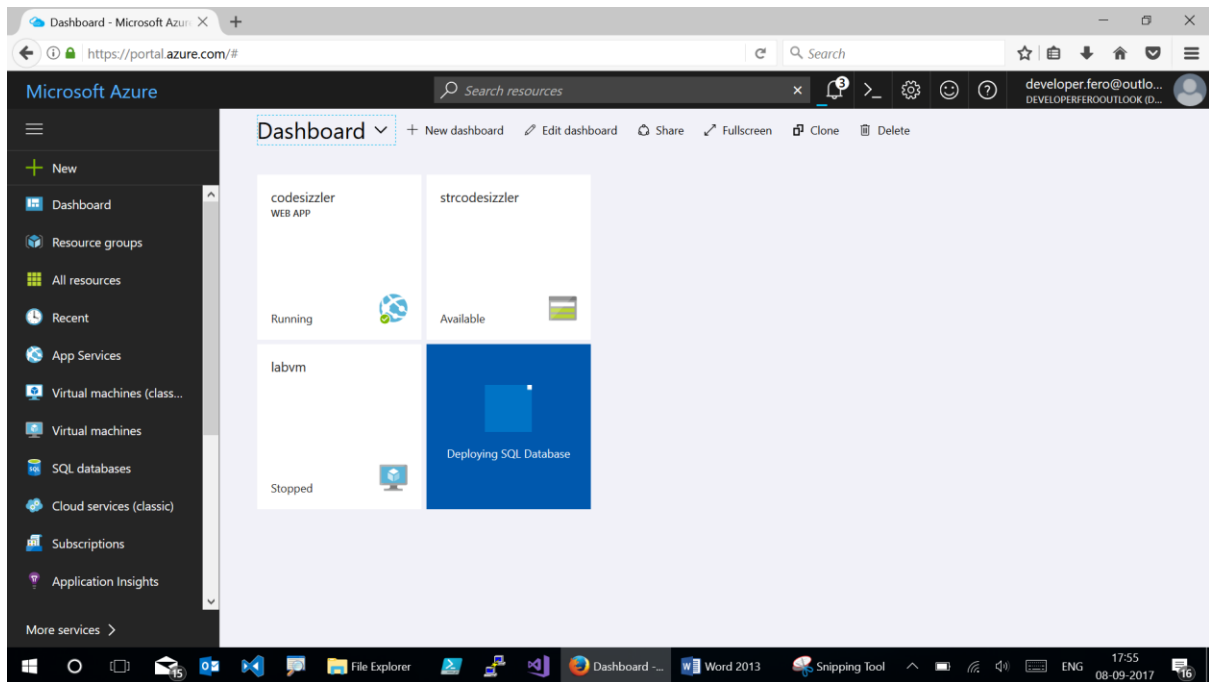Loading pricing...

Storage (100 MB-250 GB)
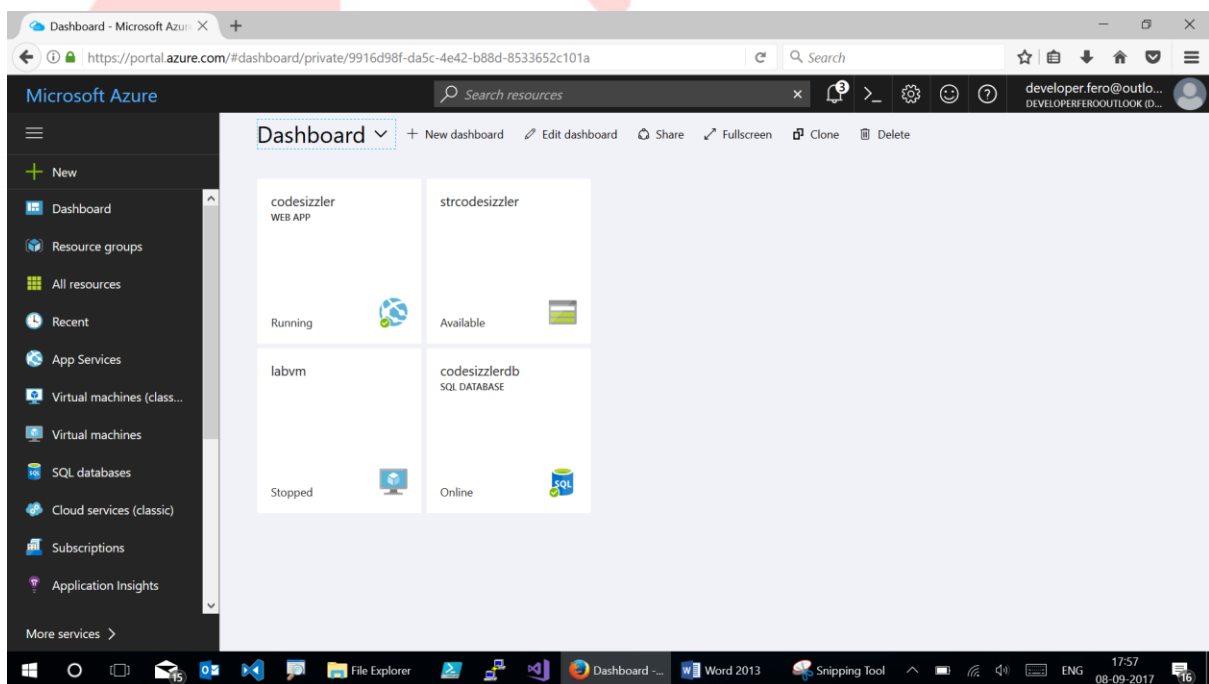
250 GB

Loading pricing...

Apply
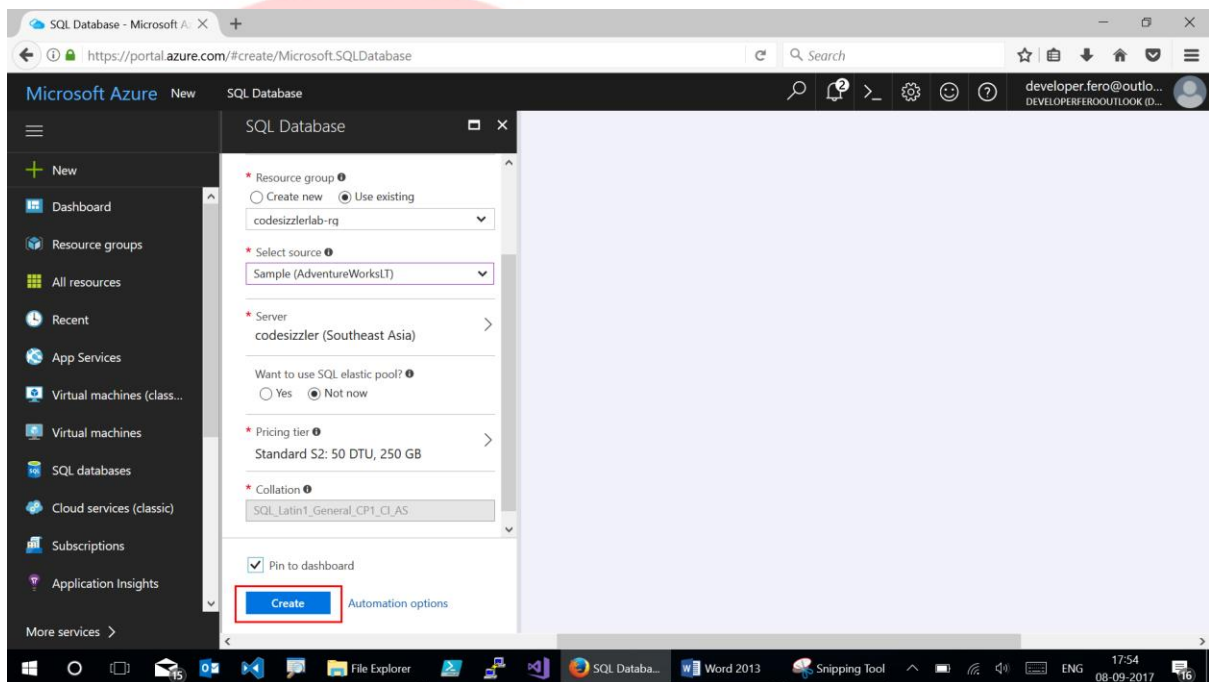
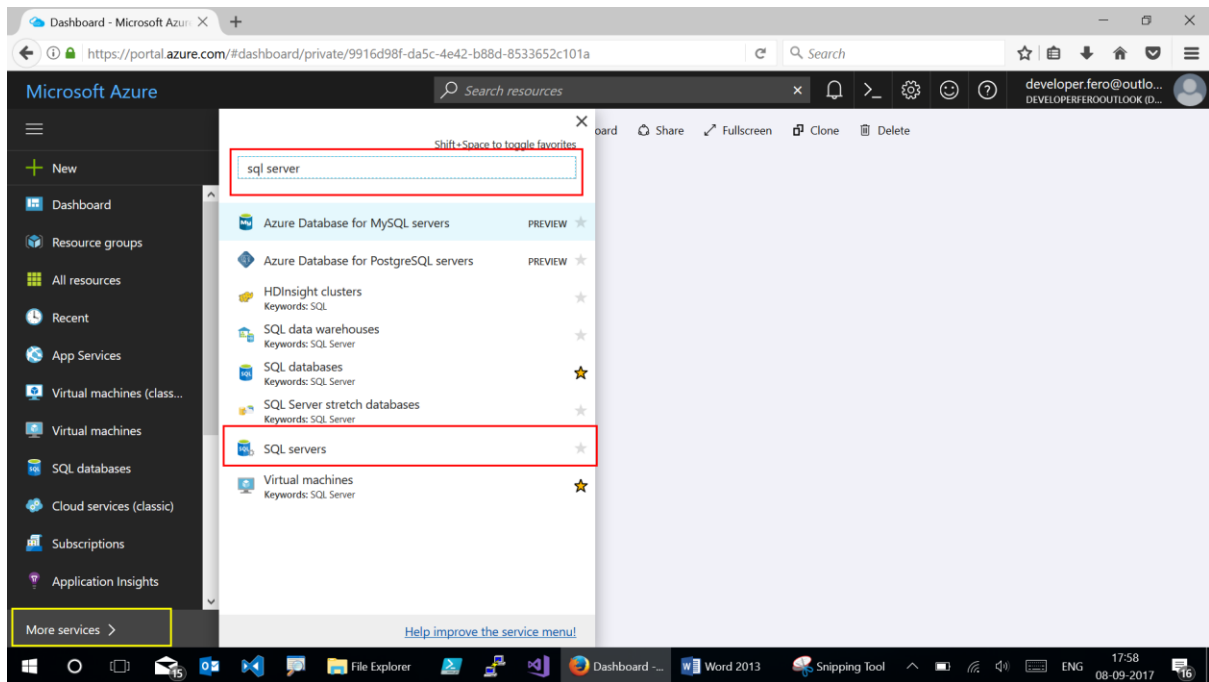Here goes the SQL database getting deployed.
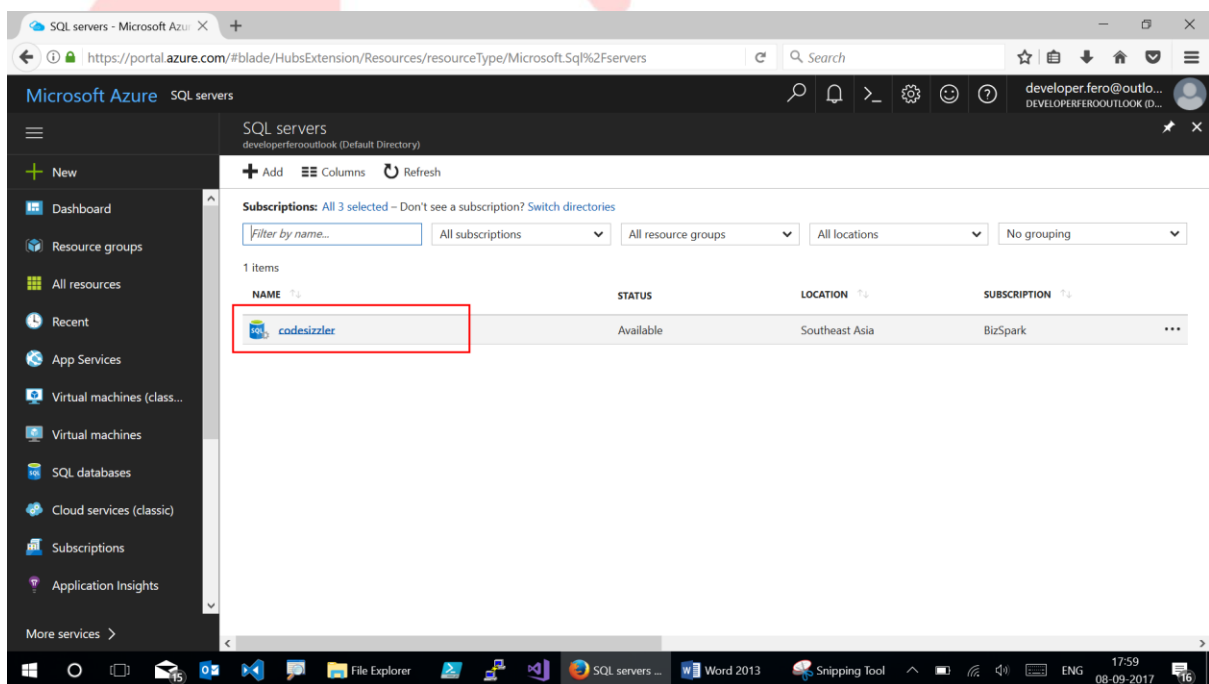
And now the SQL database is deployed.
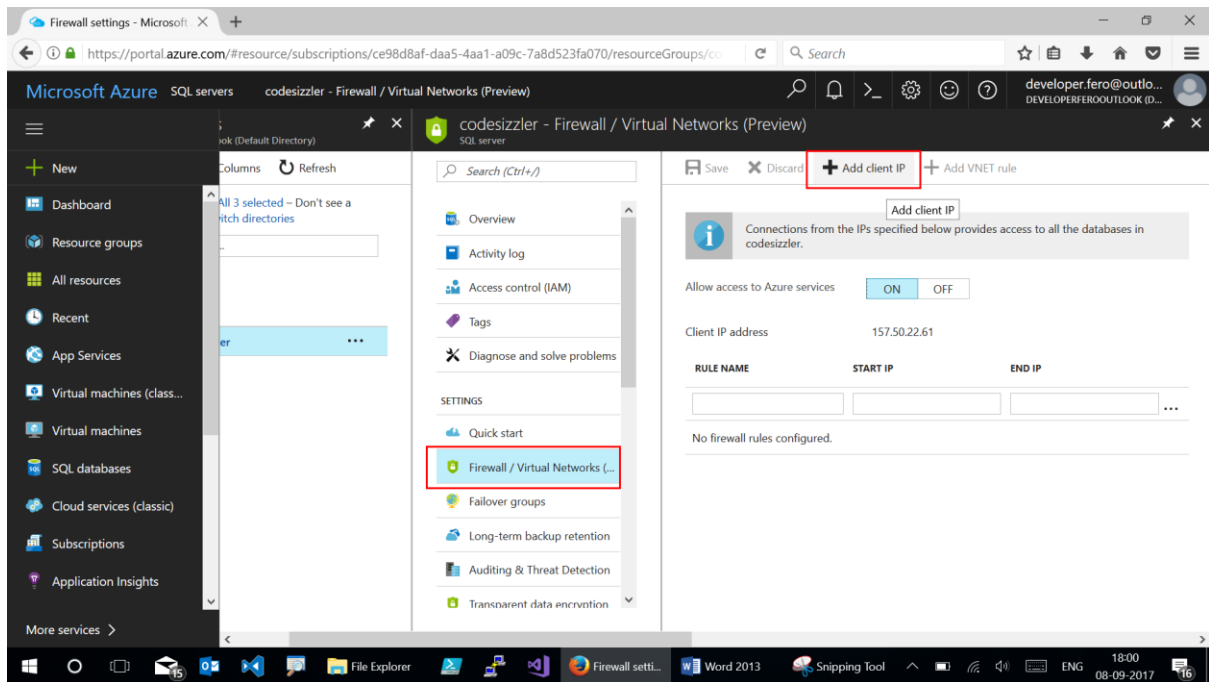

Step – 02:

Click on more services on the azure portal service blade as shown and search for SQL servers.
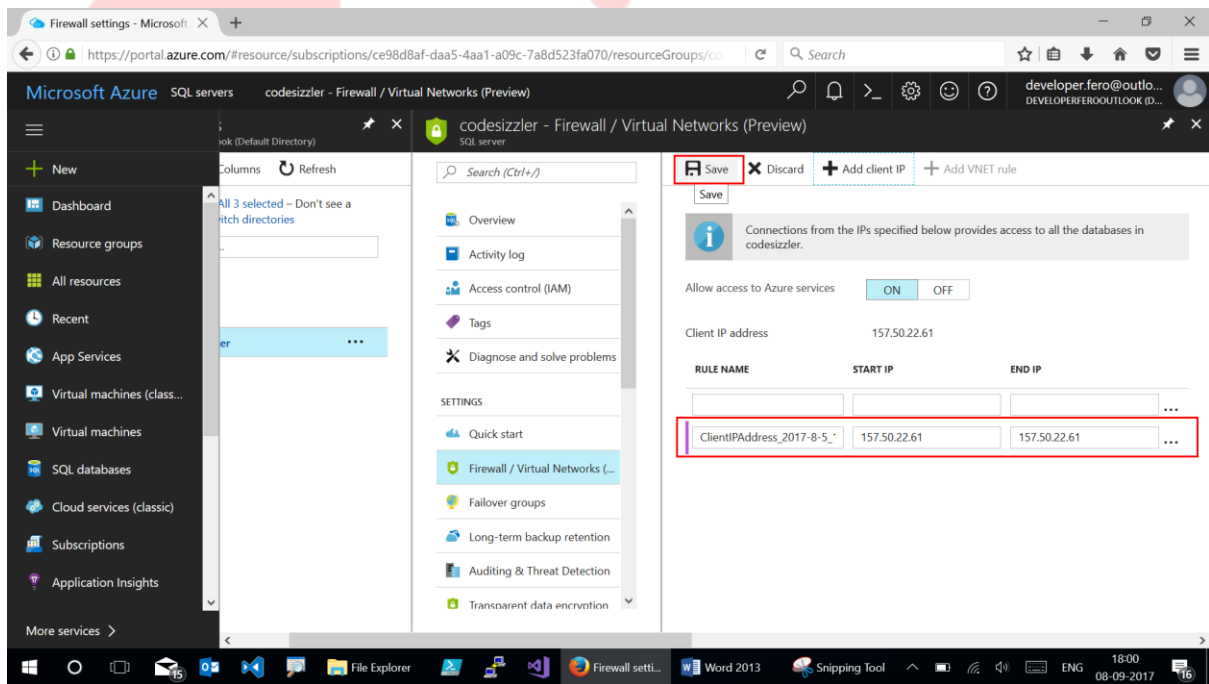
Under SQL servers, SQL datavase which has been created can be seen. Click on it.

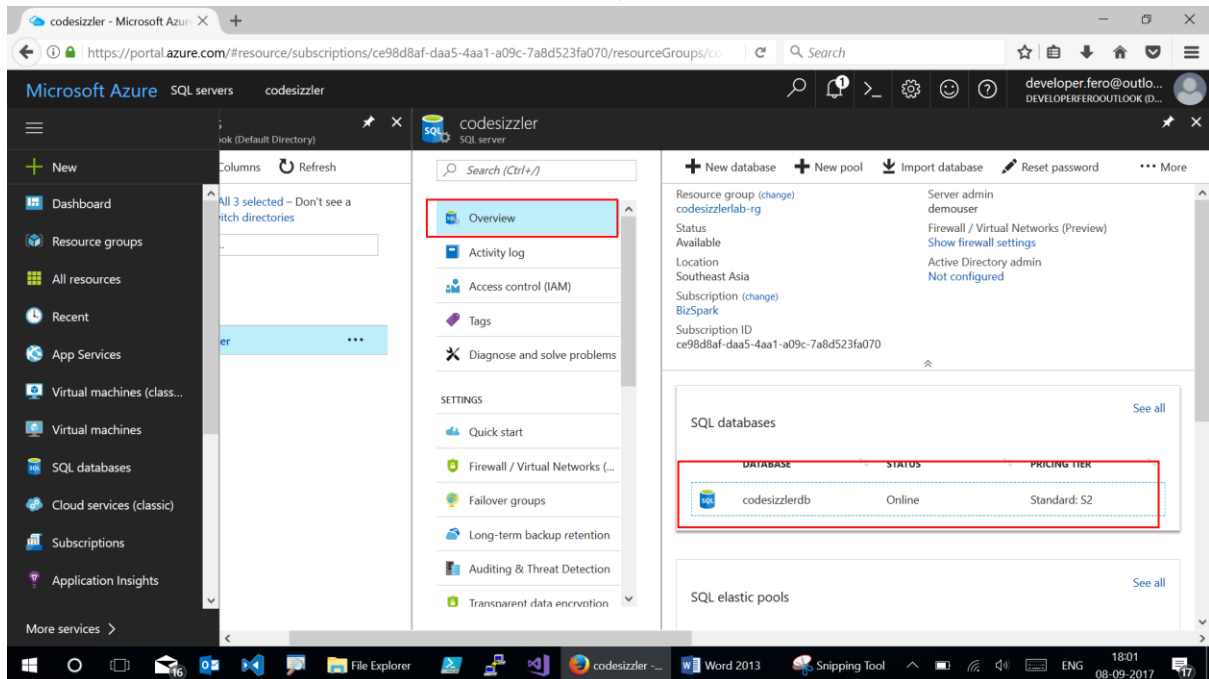Go for Firewall Configuration and click on Add Client IP.

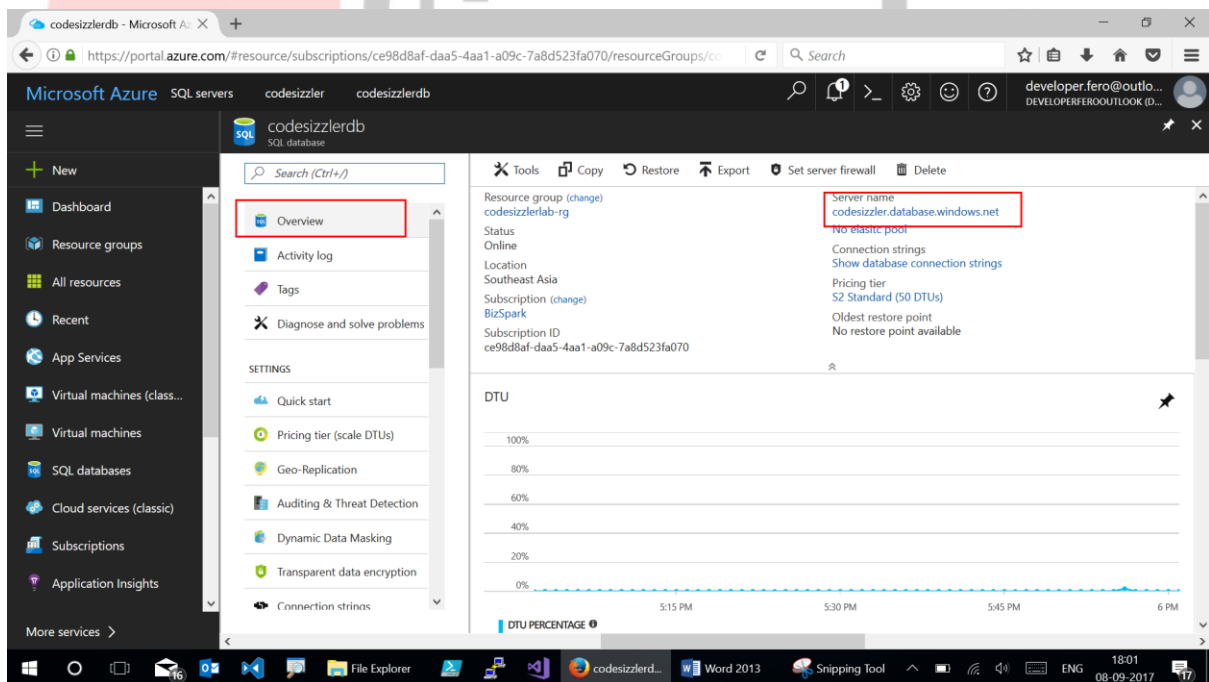Click on Save after the client IP address is added.

Step – 03:

Go for "overview" of the SQL server, SQL database can be found here.
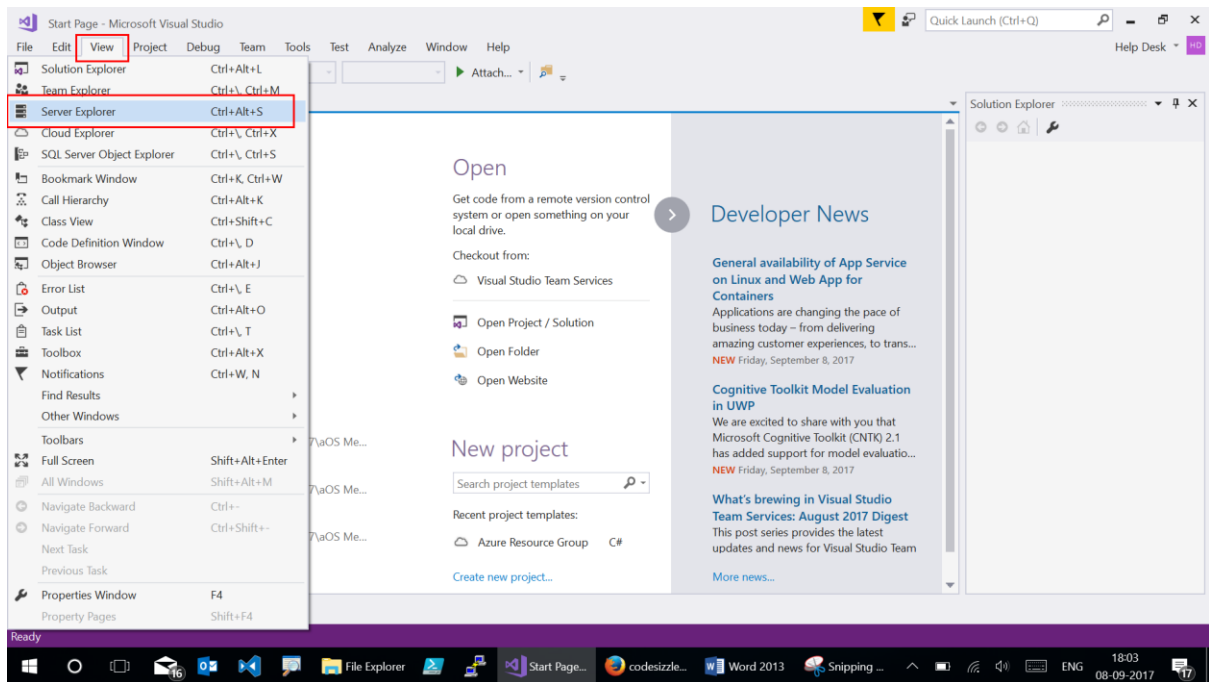

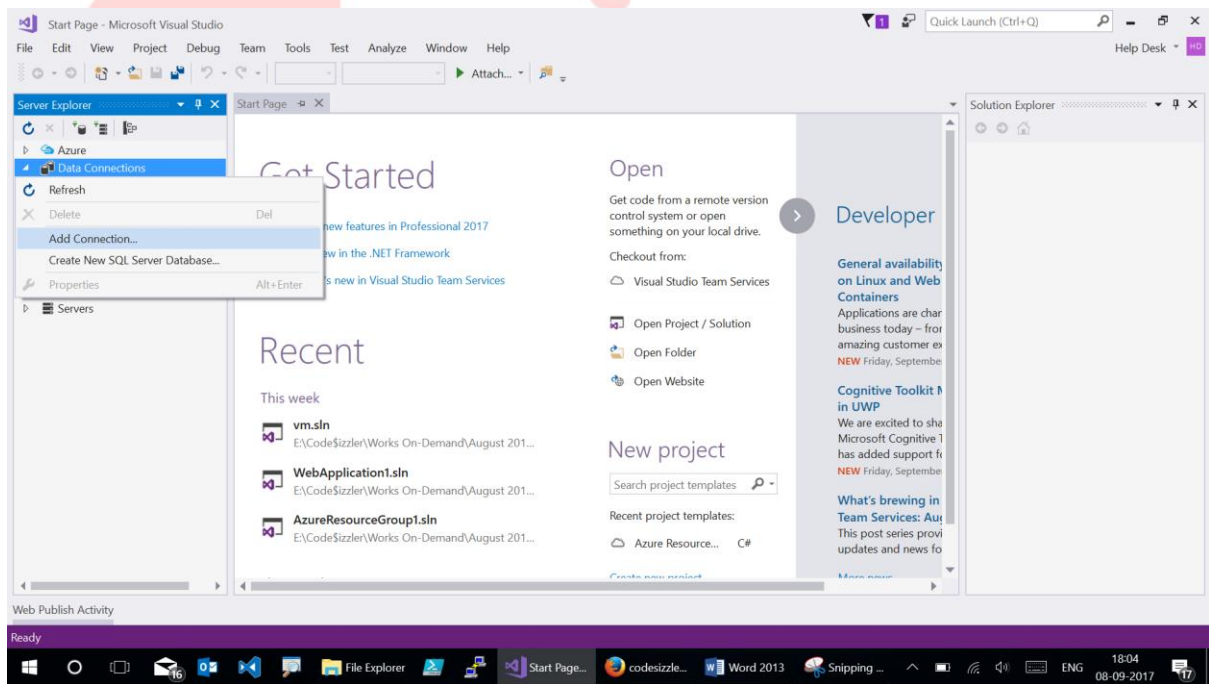Go for SQL database and copy the server name or make a note of it.

Step – 04:

Open Visual Studio Community or whatever version is available, go for View → Server Explorer.
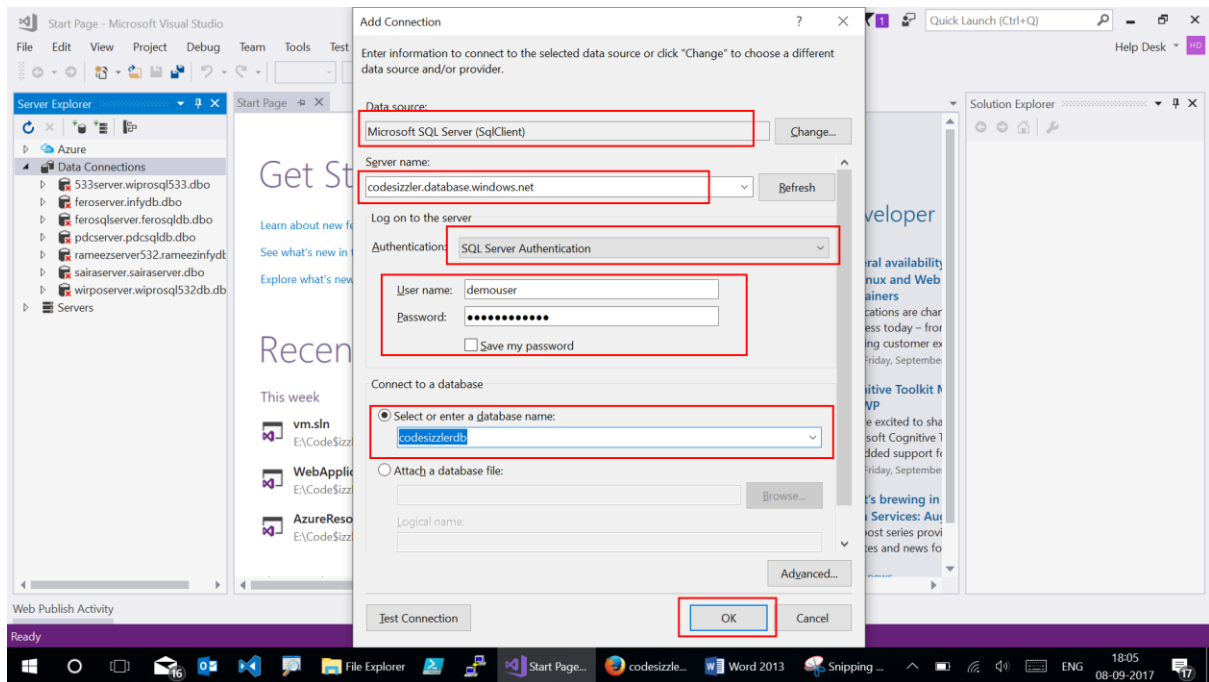
Server Explorer → Data Connections → Add Connection

- Data Source – Microsoft SQL Server (SQLClient)
- Server Name – add the server name which was noted before
- Authentication – SQL Server Authentication
- Username – use the username of the server
- Password – use the password of the server
- Database – select the database

Click on OK.

After the connection is established from the server, all the sample data sources can be found.
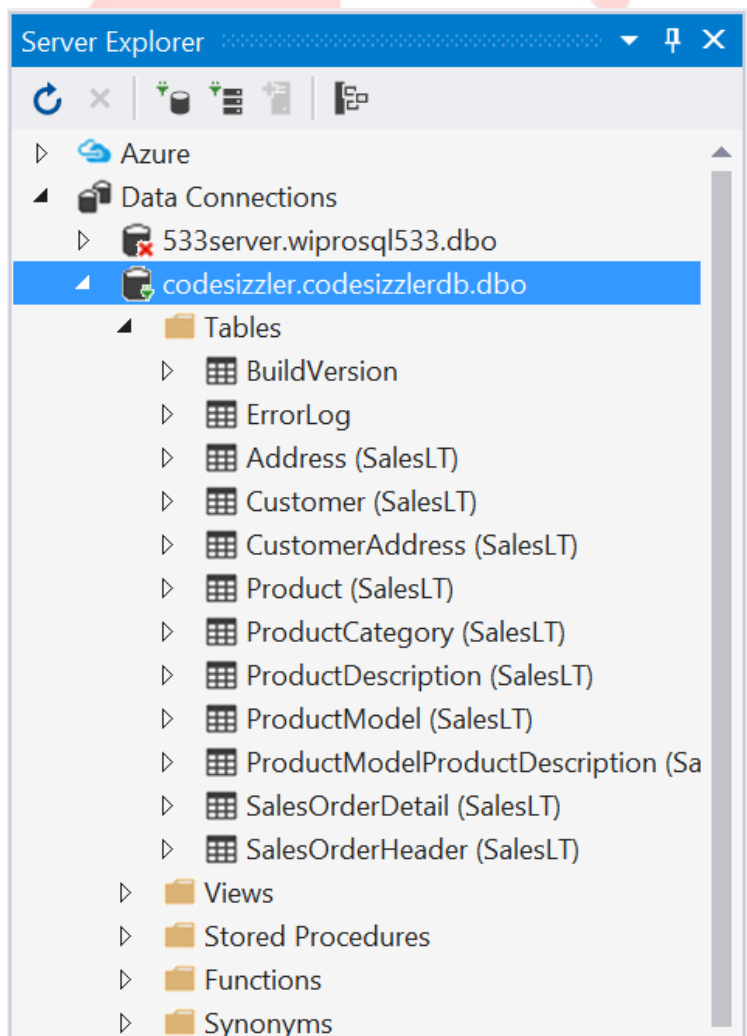
Demo Summary –

Here we have gone with creation of Azure SQL Database, creating the SQL server and establishing the connection from the SQL server by which we can find the sample data sources.