

My First Database in Azure






Azure

Azure is an Internet-scale computing and services platform hosted in data centers managed or supported by Microsoft.

Azure reduces the need for up-front technology purchases, and it enables developers to quickly and easily create applications running in the cloud by using their existing skills with the Microsoft Visual Studio development environment and the Microsoft .NET Framework. In addition to managed code languages supported by .NET, Azure will support more programming languages and development environments in the near future. Azure simplifies maintaining and operating applications by providing on-demand compute and storage to host, scale, and manage web and connected applications. Infrastructure management is automated with a platform that is designed for high availability and dynamic scaling to match usage needs with the option of a pay-as-you-go pricing model. Azure provides an open, standards-based and interoperable environment with support for multiple internet protocols, including HTTP, REST, SOAP, and XML.

FEATURES

Key components of the Azure Services Platform include the following:

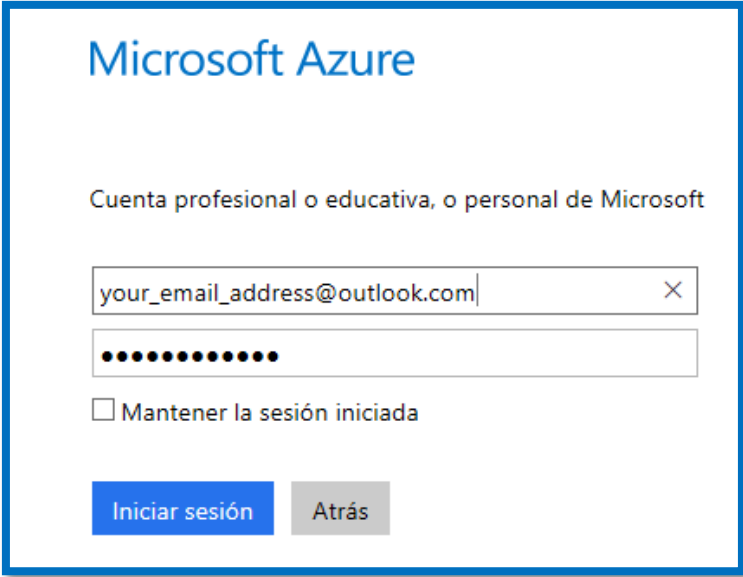
-  Windows Azure for service hosting and management, low-level scalable storage, computation and networking.
-  Microsoft SQL Services for a wide range of database services and reporting.
-  Microsoft .NET Services which are service-based implementations of familiar .NET Framework concepts such as workflow and access control.
-  Live Services for a consistent way for users to store, share and synchronize documents, photos, files and information across their PCs, phones, PC applications and Web sites.
-  Microsoft SharePoint Services and Microsoft Dynamics CRM Services for business content, collaboration and rapid solution development in the cloud.

STEP 1 – LOG IN AZURE

- We need go to the page of azure

 <https://portal.azure.com/>

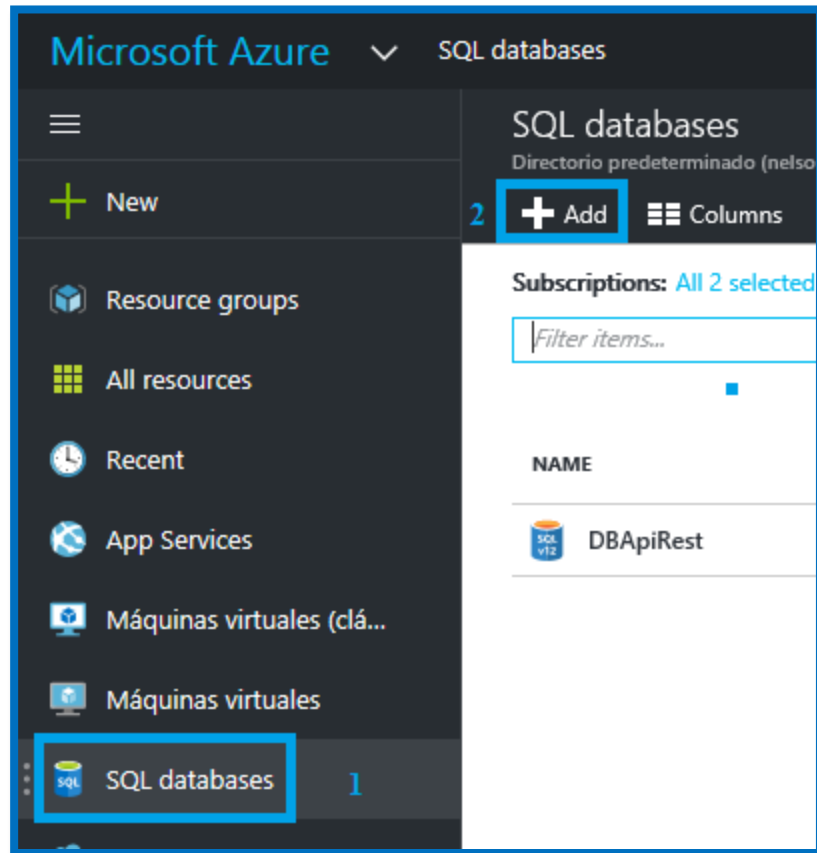
- Then need complete your data and log in



The screenshot shows the Microsoft Azure login interface. At the top, the text "Microsoft Azure" is displayed in blue. Below it, the instruction "Cuenta profesional o educativa, o personal de Microsoft" is shown. There are two input fields: the first contains the placeholder text "your_email_address@outlook.com" and has a clear button (X) on the right; the second field contains masked characters (dots). Below the password field is a checkbox labeled "Mantener la sesión iniciada". At the bottom, there are two buttons: a blue "Iniciar sesión" button and a grey "Atrás" button.

STEP 2 – FIRST WE NEED CREATE OUR DATABASE

- We need select SQL Databases



STEP 3 – FIRST WE NEED CREATE OUR DATABASE

1. We add a new database; this is a simple name for our database
2. Our subscription is free for this application
3. This resource allows the implementation of our database
4. Add a name for our resource
5. Select a database Blank
6. We select **Configure Required Setting**

Microsoft Azure SQL databases > SQL Database

SQL Database

+ New

Resource groups
All resources
Recent
App Services
Virtual machines (classic)
Virtual machines
SQL databases
Cloud services (classic)
Security Center
Subscriptions

1 * Database name
DBDemo ✓

2 * Subscription
DreamSpark ▼

* Resource group ⓘ
3 ☒ Create new ☐ Use existing

4 ResourceServices ✓

5 * Select source ⓘ
Blank database ▼

6 * Server
Configure required settings >

* Pricing tier ⓘ
Free >

- Add this information for connect to server of our database, select and create

Note:

- ✓ This credentials are so very important for our connection
- ✓ Need a password with character specials, numbers, etc

The screenshot shows the 'New server' form in the Azure portal. The form is divided into two main sections: 'Server' on the left and 'New server' on the right. The 'Server' section contains a list of existing servers, with a 'Create a new server' button highlighted by a blue box and the number 1. The 'New server' section contains several input fields, each highlighted by a blue box and a number: 2 for 'Server name' (containing 'servicesupaonet'), 3 for 'Server admin login' (containing 'neel'), 4 for 'Password' (containing '.....'), 5 for 'Confirm password' (containing '.....'), and 6 for 'Location' (a dropdown menu set to 'East US 2'). There is also a checkbox for 'Allow azure services to access server' which is checked. A 'Select' button is located at the bottom right of the form.

Server

1 Create a new server

SQL v12 demoapires East US Resou...

New server

2 * Server name servicesupaonet .database.windows.net

3 * Server admin login neel

4 * Password ✓

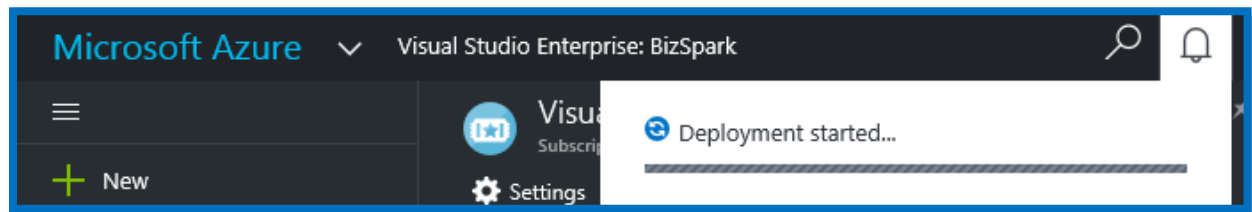
5 * Confirm password ✓

6 * Location East US 2 ▼

☒ Allow azure services to access server ⓘ

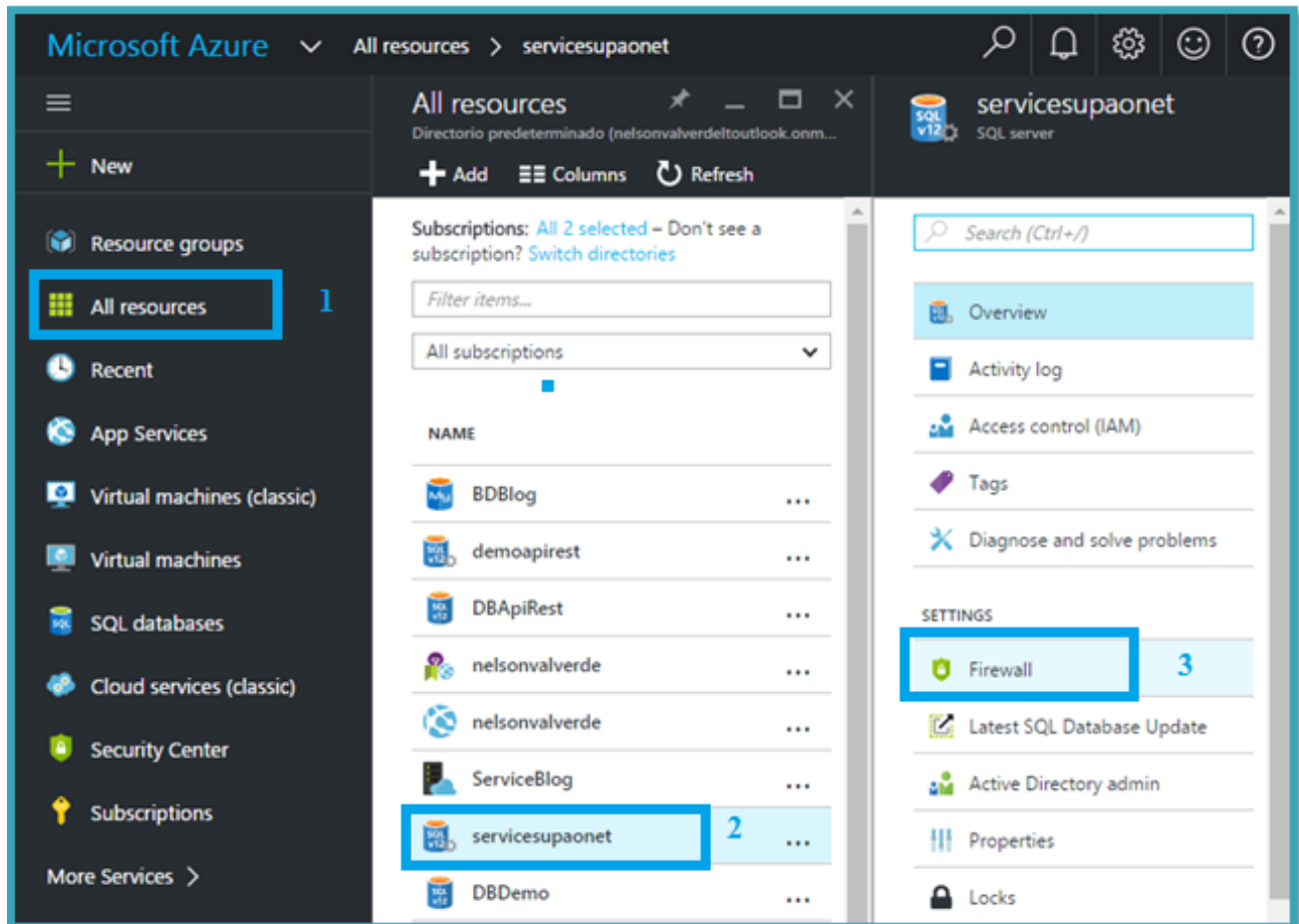
Select

Now, you need to wait for our database server



STEP 4 – CONFIGURE THE FIREWALL OF OUR SERVER

Then go to all resources and select Firewall



- Now add our ip public for security of our server and Save.
- This ip allows connect to our database
- Also protection and privacy of our access to person's specifics

2 Save X Discard 1 Add client IP + Add client IP

i Connections from the IPs specified below provides access to all the databases in serverwcf.

Allow access to Azure services ☒ ON ☐ OFF

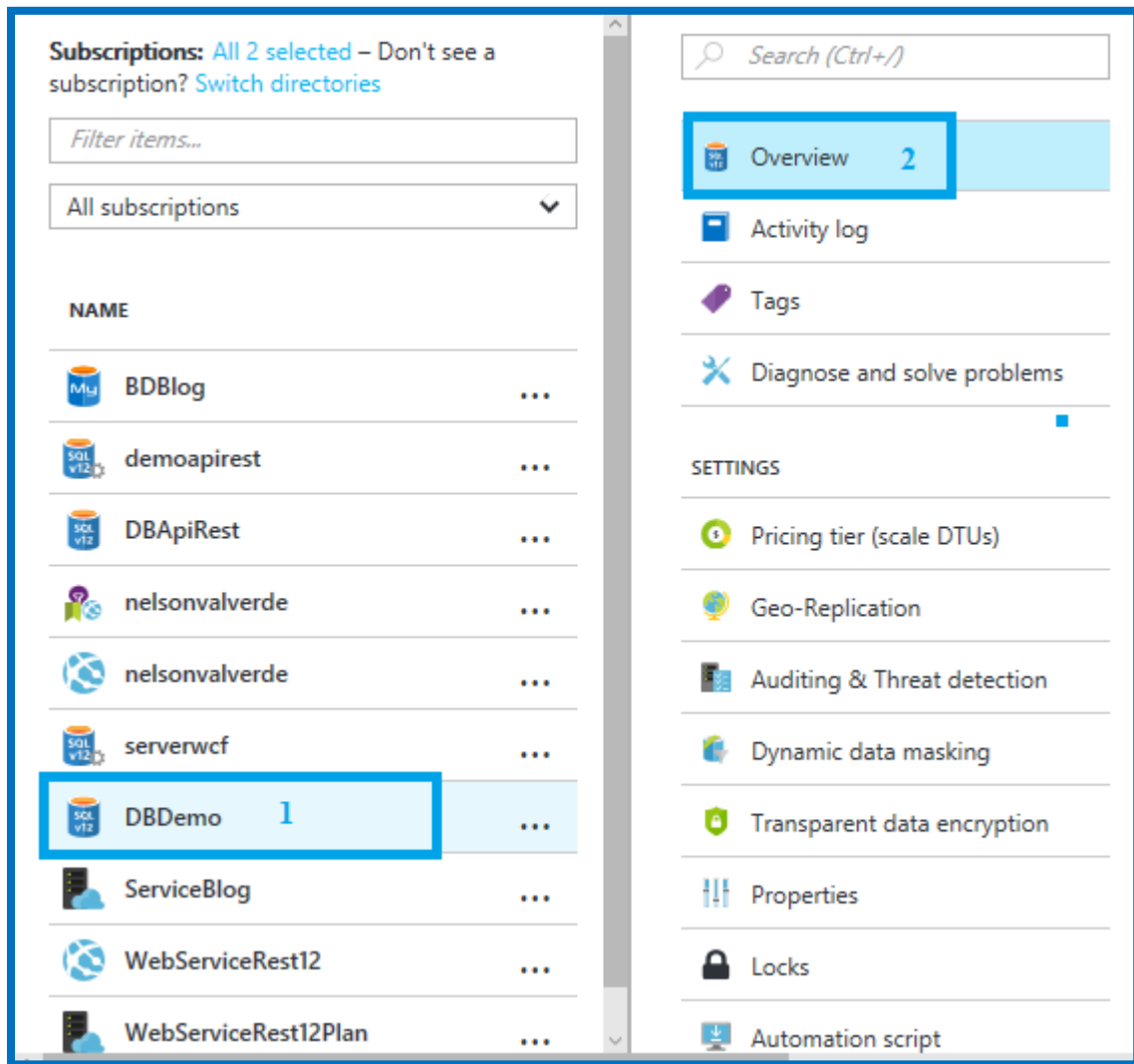
Client IP address [REDACTED]

RULE NAME	START IP	END IP
ClientIPAddress_2016-7-6_1...	[REDACTED]	[REDACTED]

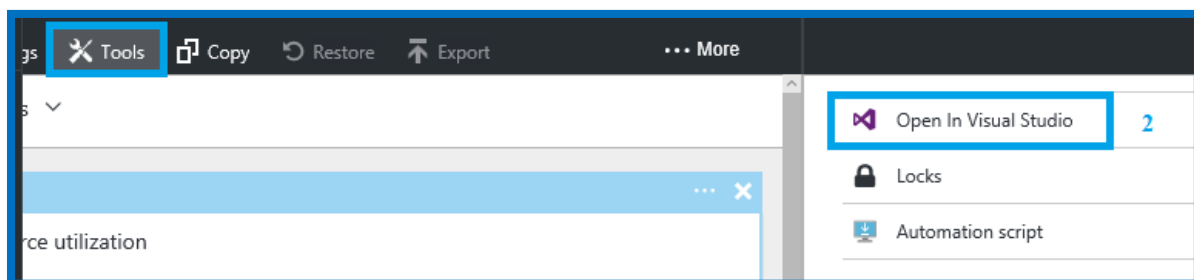
This is my ip public

STEP 5 – GET IN TOOLS OF AZURE

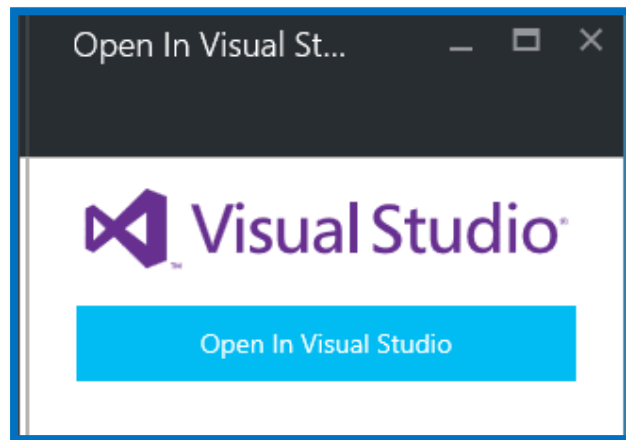
- Select all resource, select our database and Overview



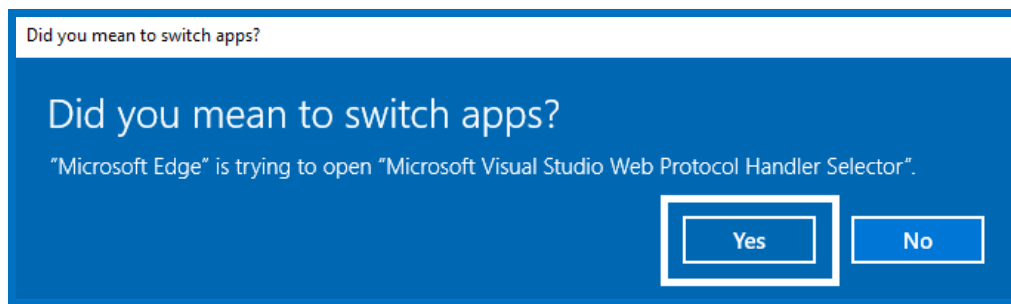
- Select **Open in Visual Studio**



- Open in Visual Studio



- this is permit to open an application



- Now, we need add our data azure server

Connect [X]

History **Browse**

▶ Local
▶ Network
▶ Azure

Server Name: servicesupaonet.database.windows.net

Authentication: Sql Server Authentication ▼

User Name: neel

Password: ●●●●●●●●

☐ Remember Password

Database Name: DBDemo ▼

[Details...](#)

Connect Cancel

STEP 6 – WE CHECK OUR CONNECTION TO OUR DATABASE IN AZURE FROM VISUAL STUDIO

- that's it, now we can use our azure database from visual studio

