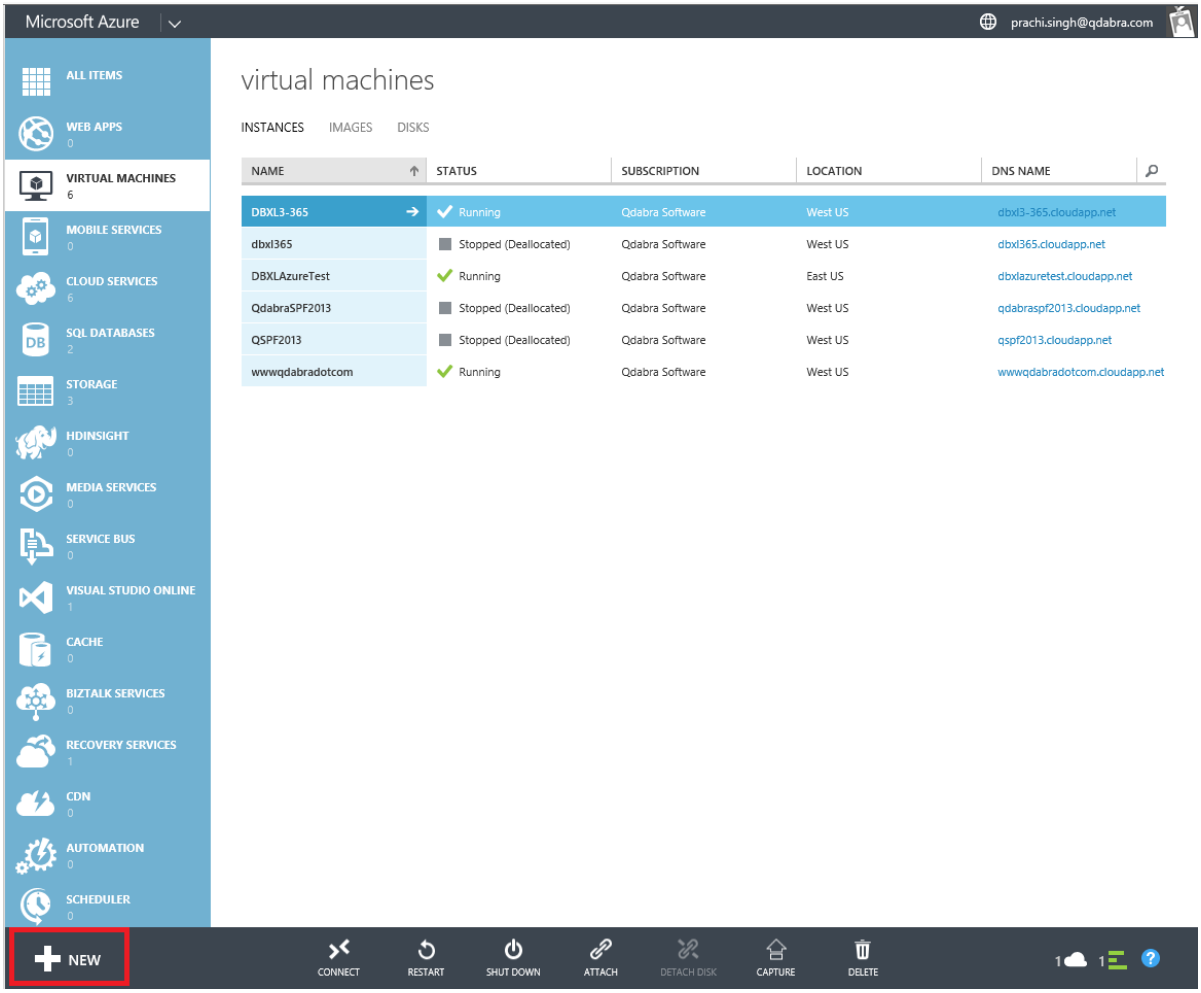
DBXL AZURE INSTALLATION GUIDE

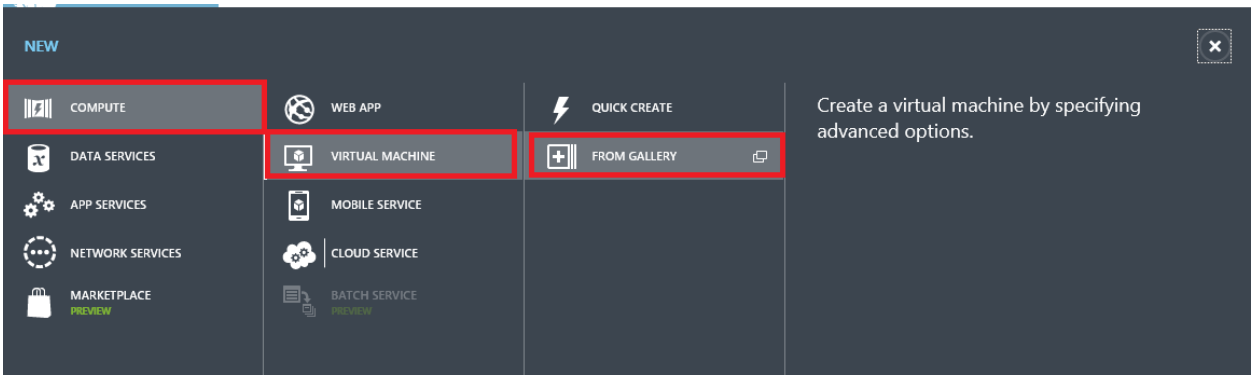
LAST UPDATED: October 25, 2016

ADDING A VIRTUAL MACHINE ON MICROSOFT AZURE

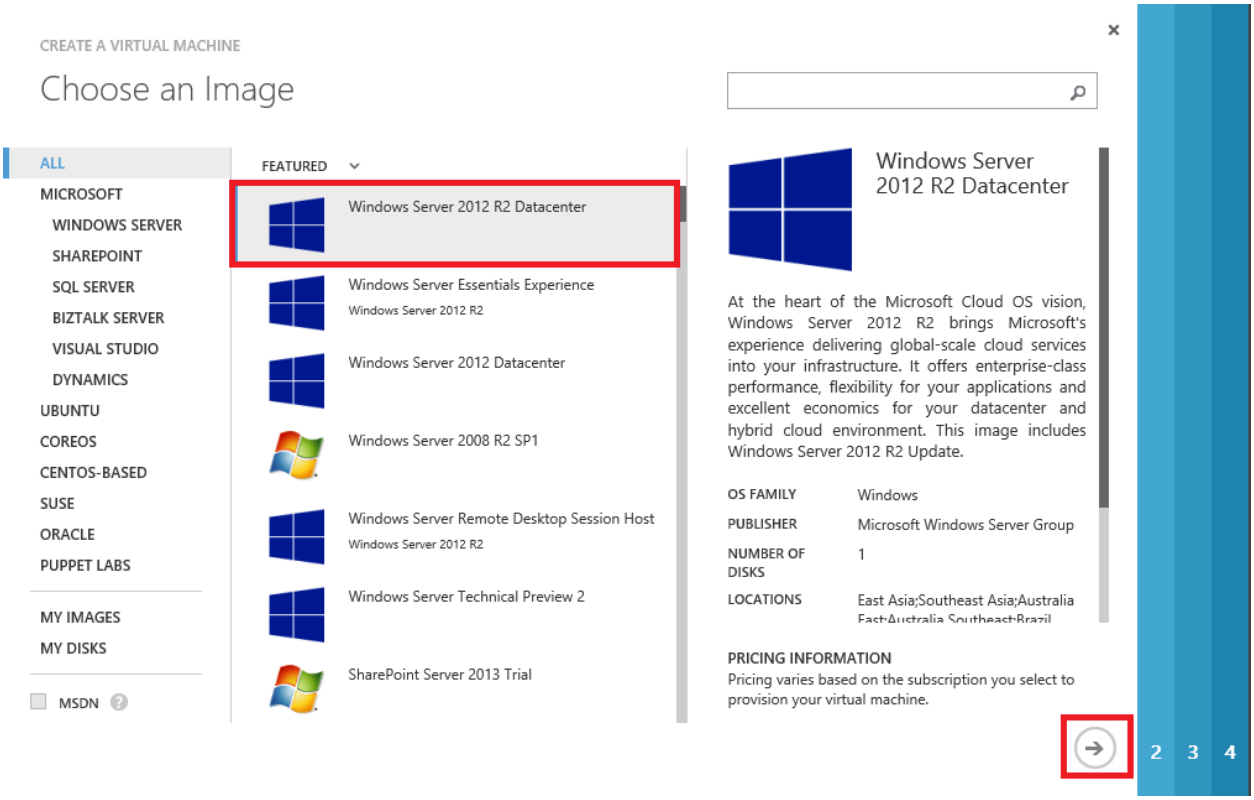
- Login to your Microsoft Azure site.
- Create a new Virtual Machine instance by clicking on the **New** button.



- A new window pop-up's. Select ***Compute > Virtual Machine > From Gallery.***

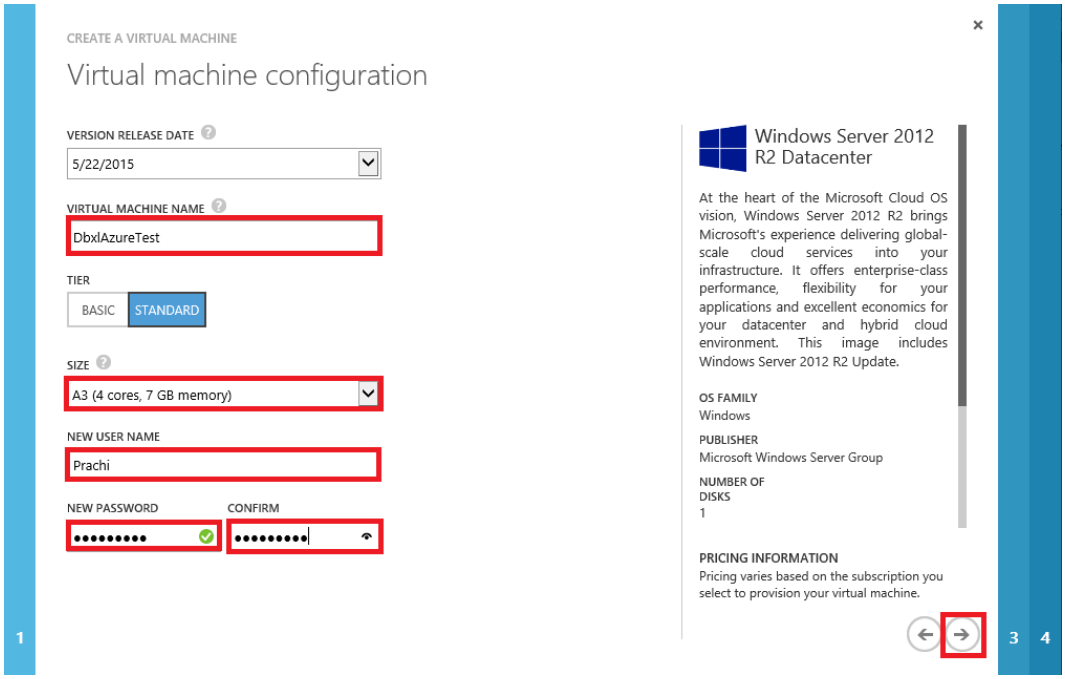


- On the next screen, select **Windows Server 2012 R2 Datacenter** and click on the right-arrow (→) sign.

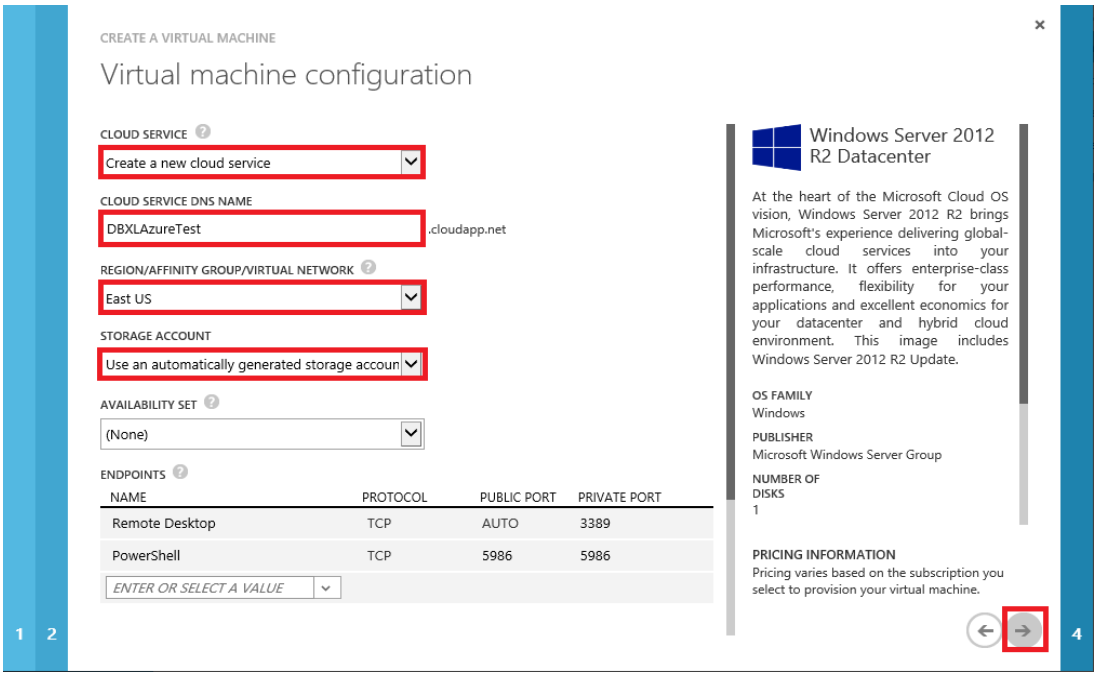


- On the next screen,
  - **Virtual Machine Name** - enter the name for your Virtual Machine
  - **Tier** – Standard
  - **Size** – Select A3 from the drop-down
  - **New User Name** – Enter the username
  - **New Password** – Enter a Password and onfirm it.

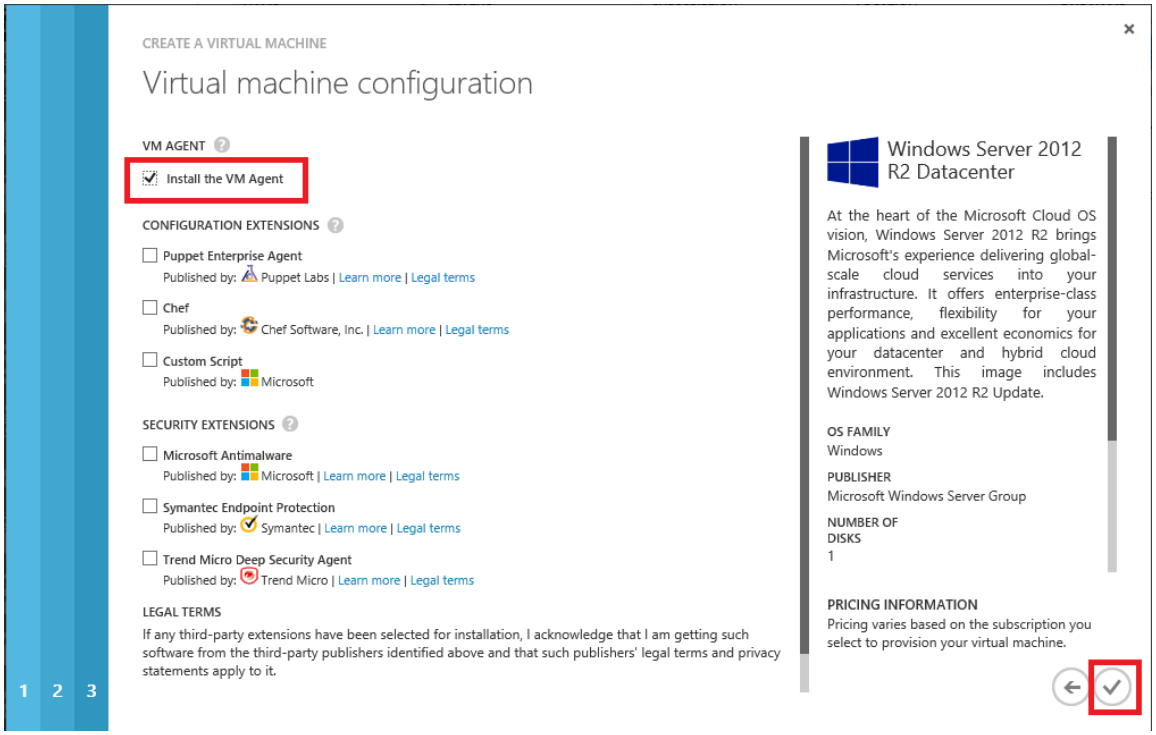
- Click on the right-arror (→) sign to go to the next screen.



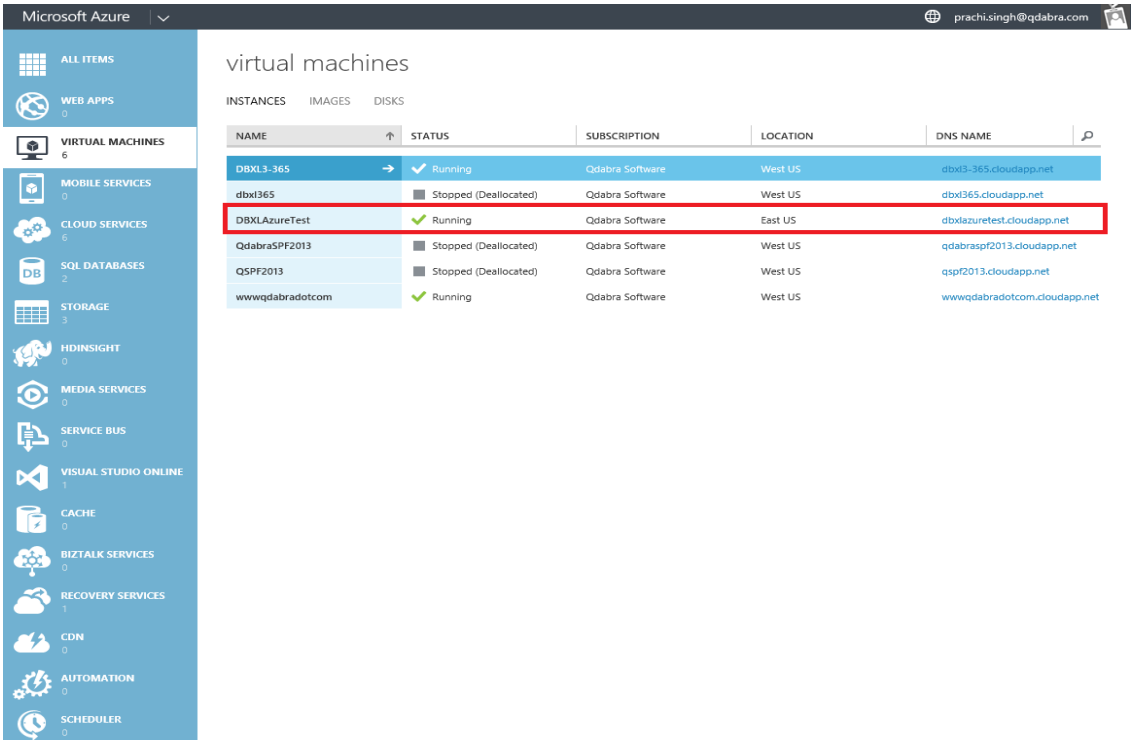
- On the next screen,
  - **Cloud Service –** Select "*Create a new cloud service*"
  - **Cloud Service DNS Name –** Give the Virtual Machine name
  - **Region/Affinity Group/Virtual Network** – Select a region for your virtual network
  - **Storage Account** – Select "*Use automatically generated storage account*"
- Click on the right-arrow (→) sign.



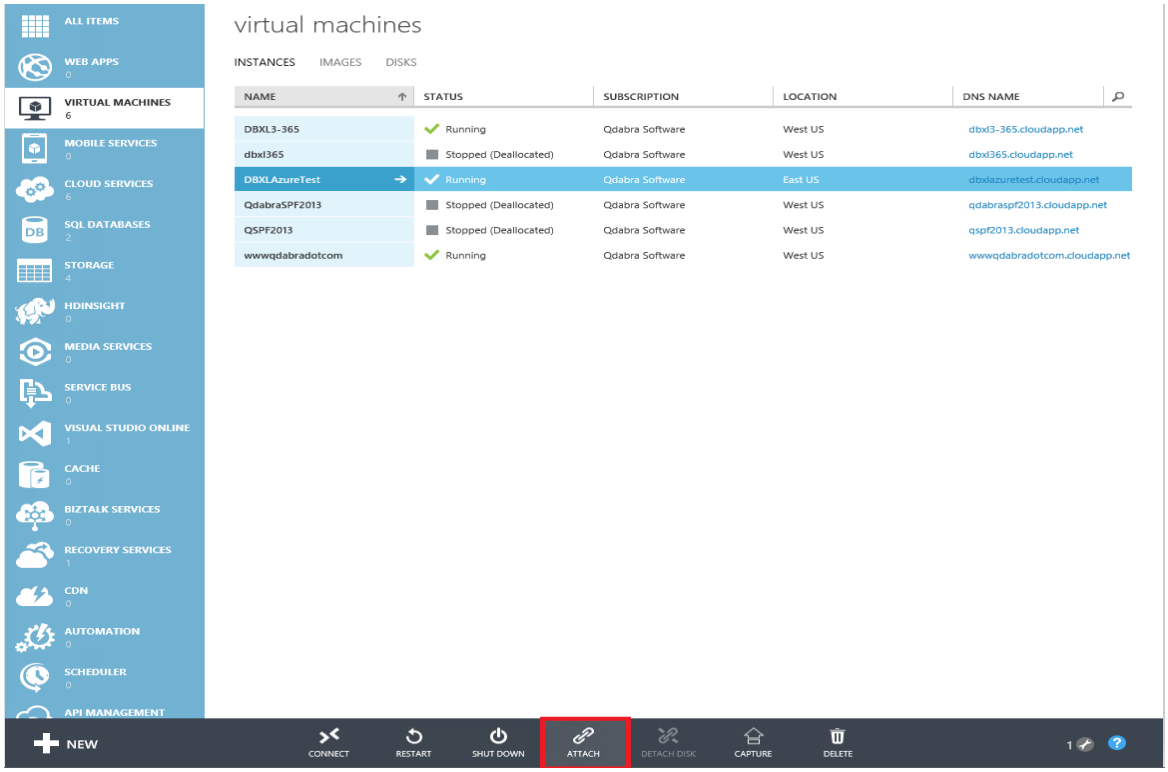
- On the following screen, check the box next to **Install the VM Agent** and click on the tick-mark.



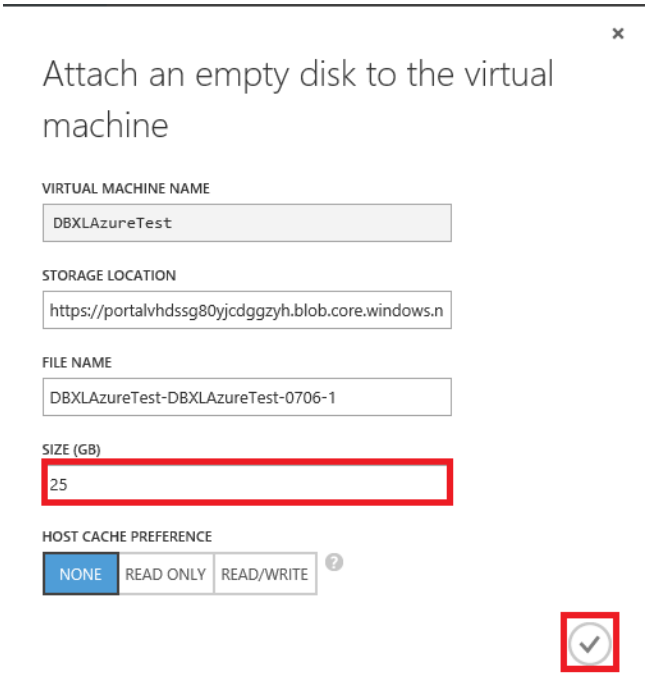
- You will find the Virtual Machine instance *Starting*. After sometime its Status changes to ***Running***.



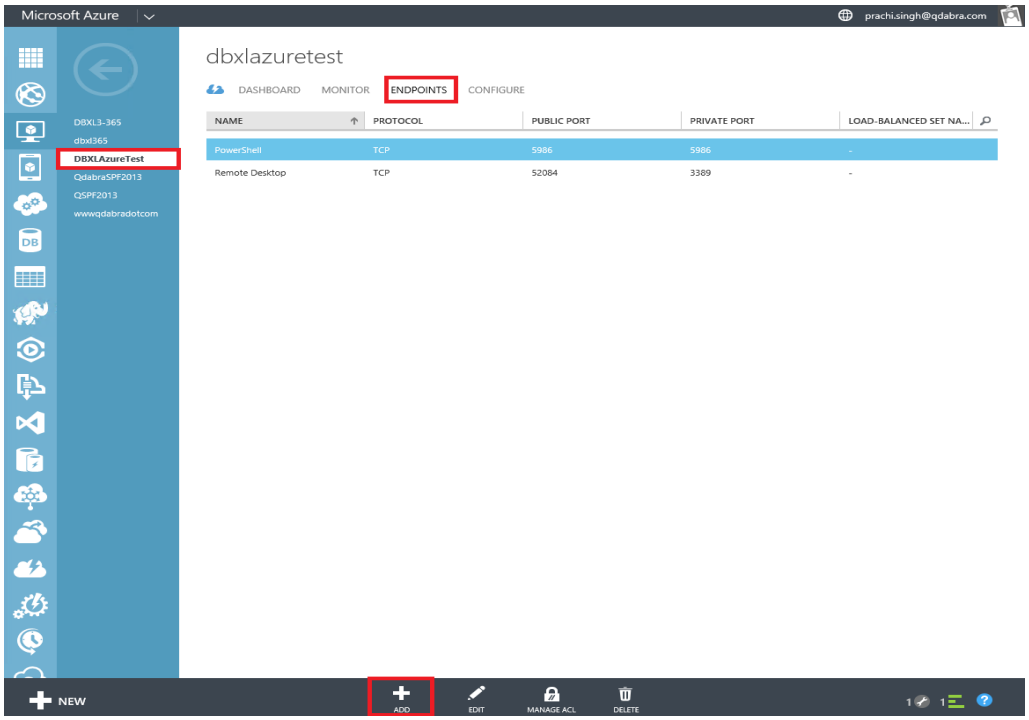
- Now, select your Virtual Machine and click on **Attach** at the bottom of the screen, to attach an empty disk to your virtual machine.



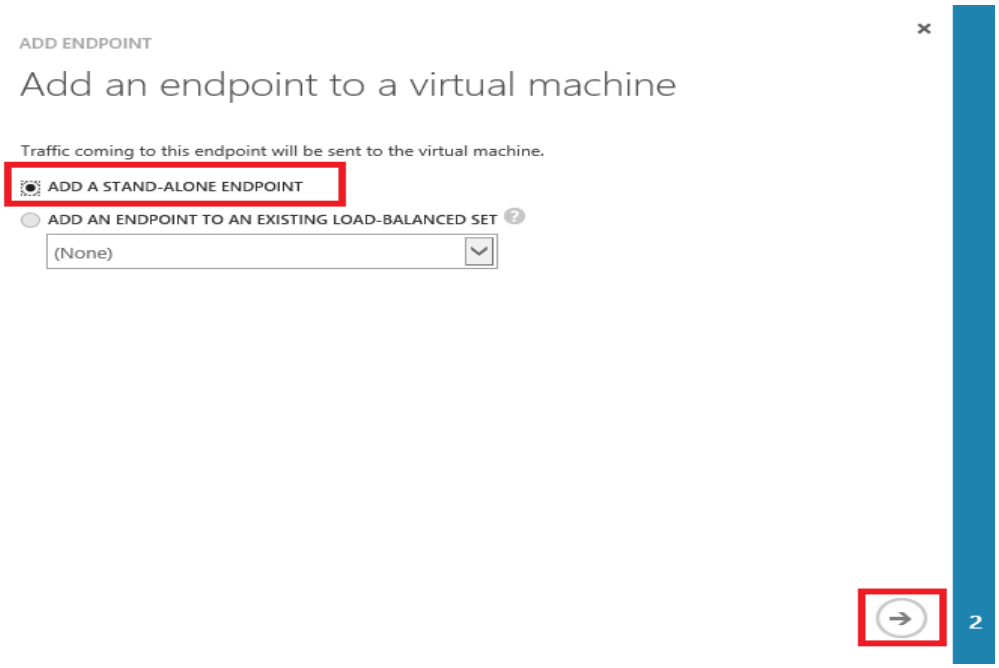
- On the dialog box that appears, give the disk **Size** in GB. Click on the Tick-mark sign.



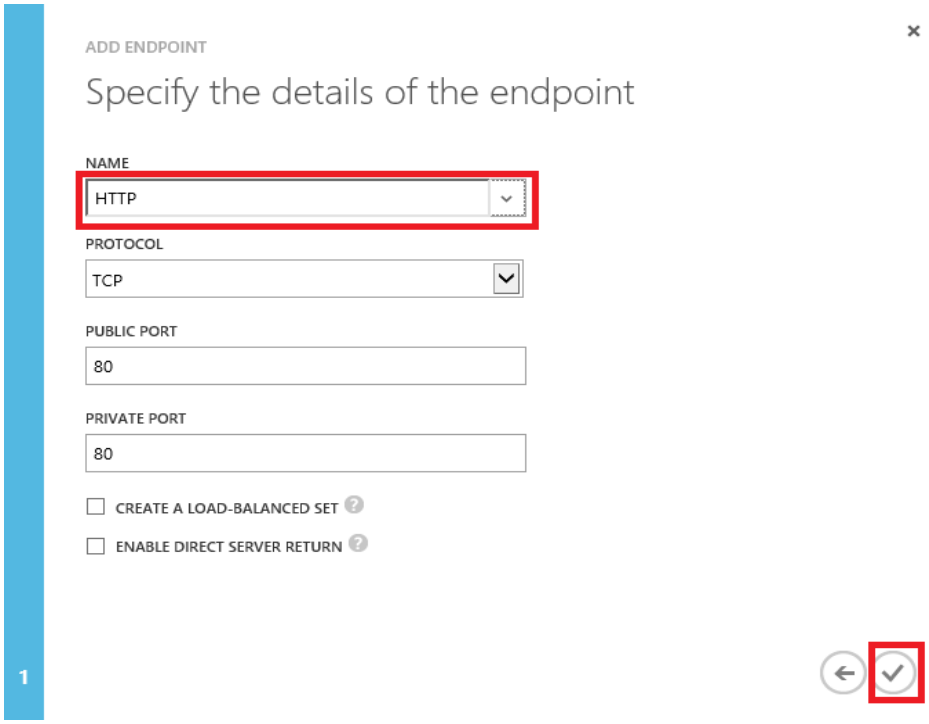
- Now, we will add the EndPoints. Go to the *Dashboard* and click on the right-arrow.
- Click on ***EndPoints.***
- Click on **Add** at the bottom of the screen.



- A window pops-up to add an endpoint to your virtula machine. Click on ***Add A Stand-alone Endpoint*** and Click on right-arrow **(→)**

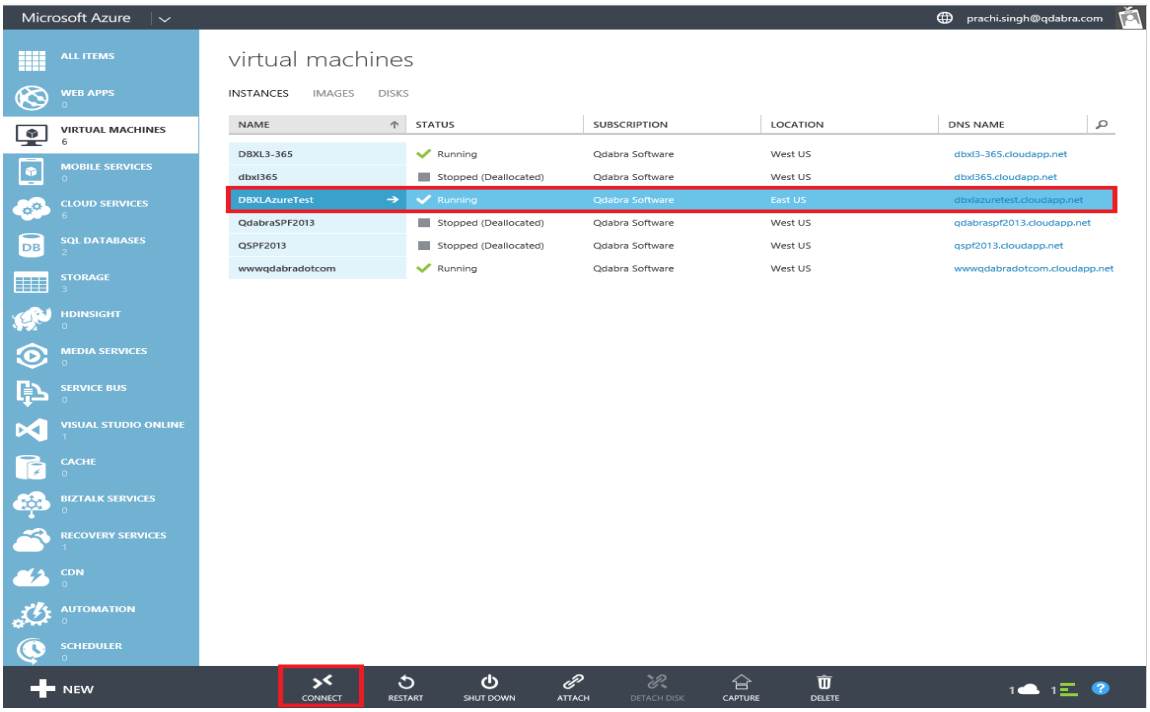


- Select HTTP for the Endpoint name and click on the tick-mark.



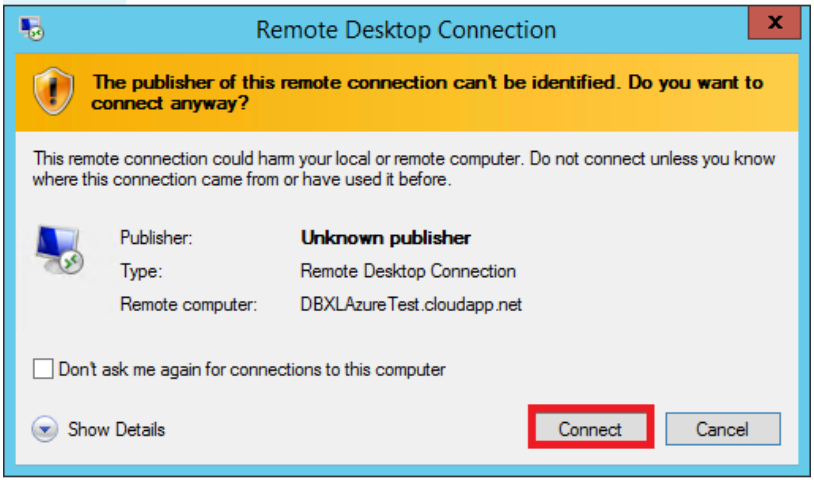
REMOTE DESKTOP CONNECTION TO THE VIRTUAL MACHINE

- Once the disk is attached and the status is Running, select the Virtual Machine and click on **Connect.**

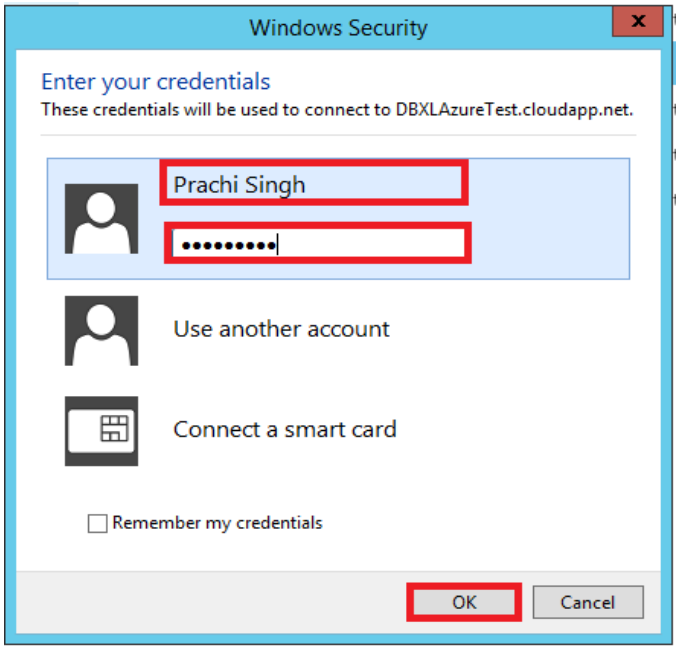


- A dialog box appears at the bottom of the screen asking, “Do you want to open or save <YourVirtualMachine>.rdp.” Click **Open**.

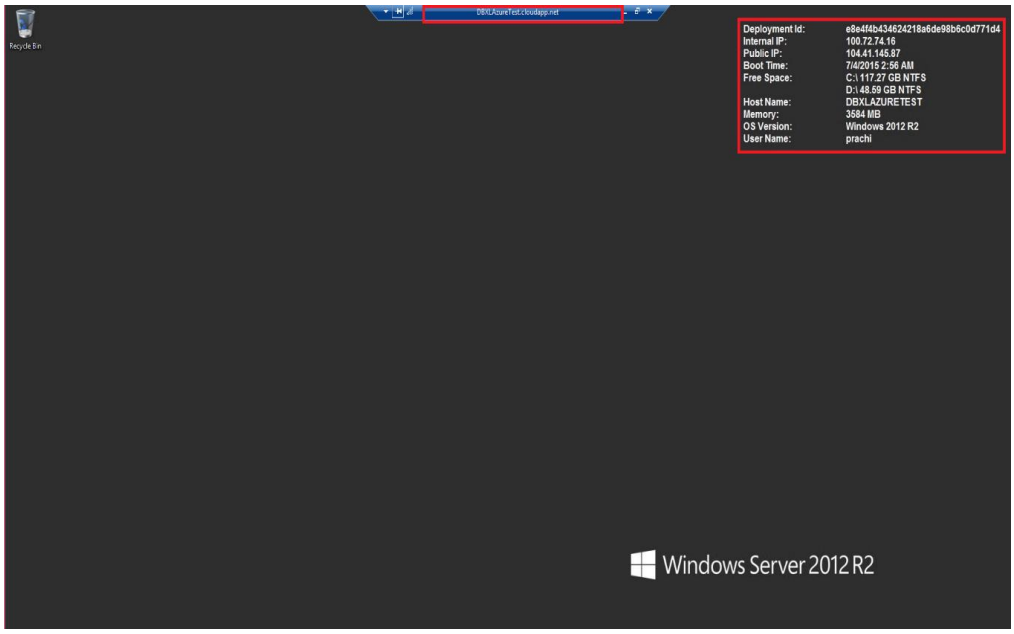
- Click **Connect** on the following *Remote Desktop Connection* dialog box, to connect to your Virtual Machine.



- Enter the credentials (*Username and Password*) for the Remote Desktop that you entered while configuring this Virtual Machine. Click **OK**.

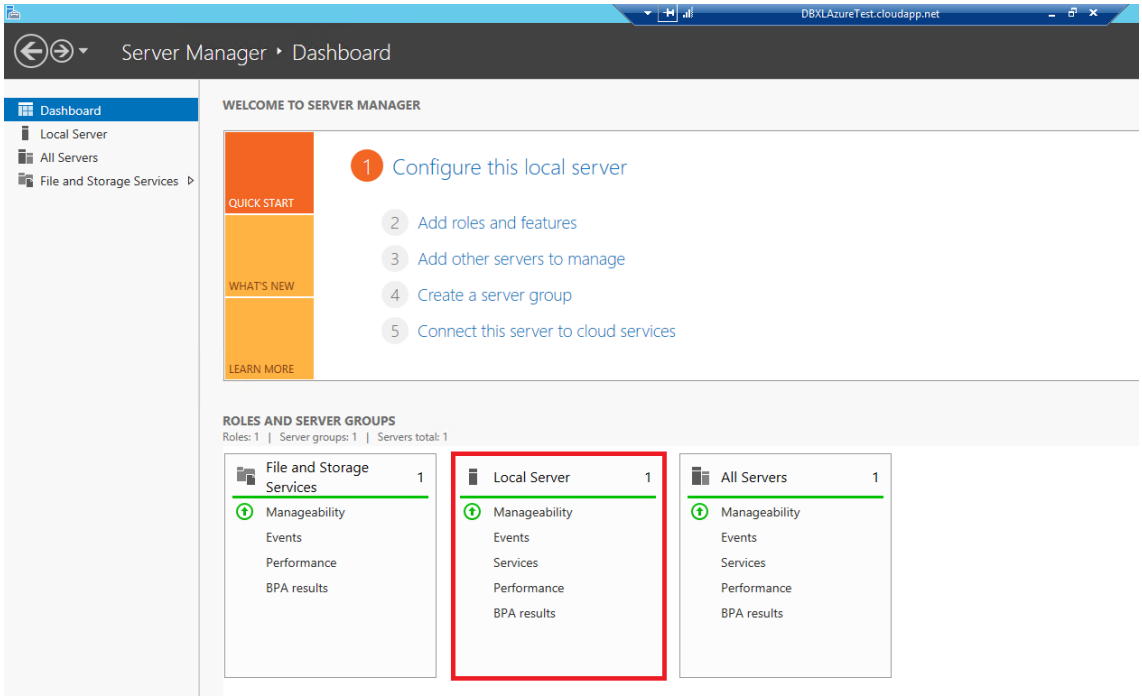


- A remote desktop connection will be established with your Virtual Machine name. More information about the machine (IP, Free space, Memory etc.) is displayed at the top right corner.

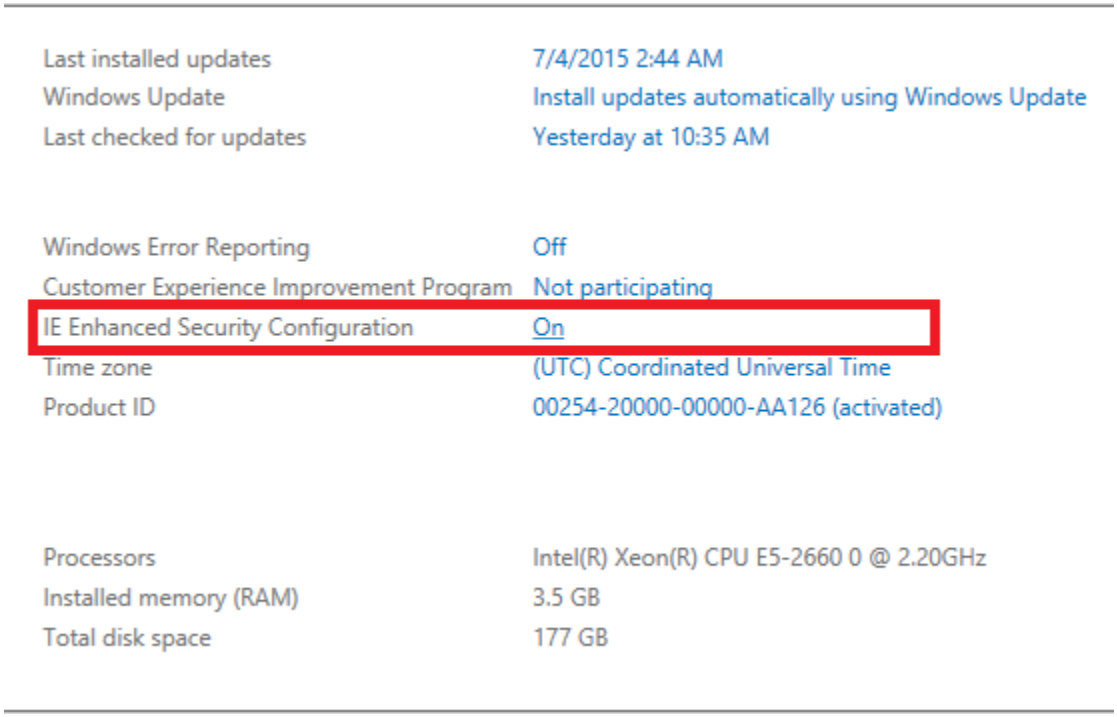


Configure Server Manager

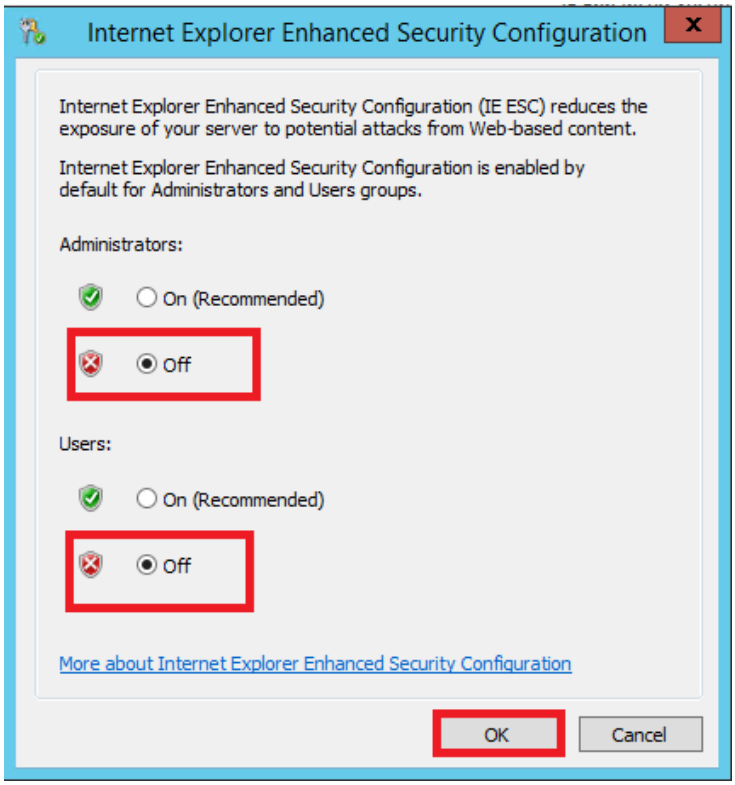
- Once the site has been added to your Trusted Sites, open the **Server Manager** on the Virtual Machine.
- Click on the Local Server.



- On the right-side of the screen, search for *IE Enhanced Security Configuration*. Click on **On**.

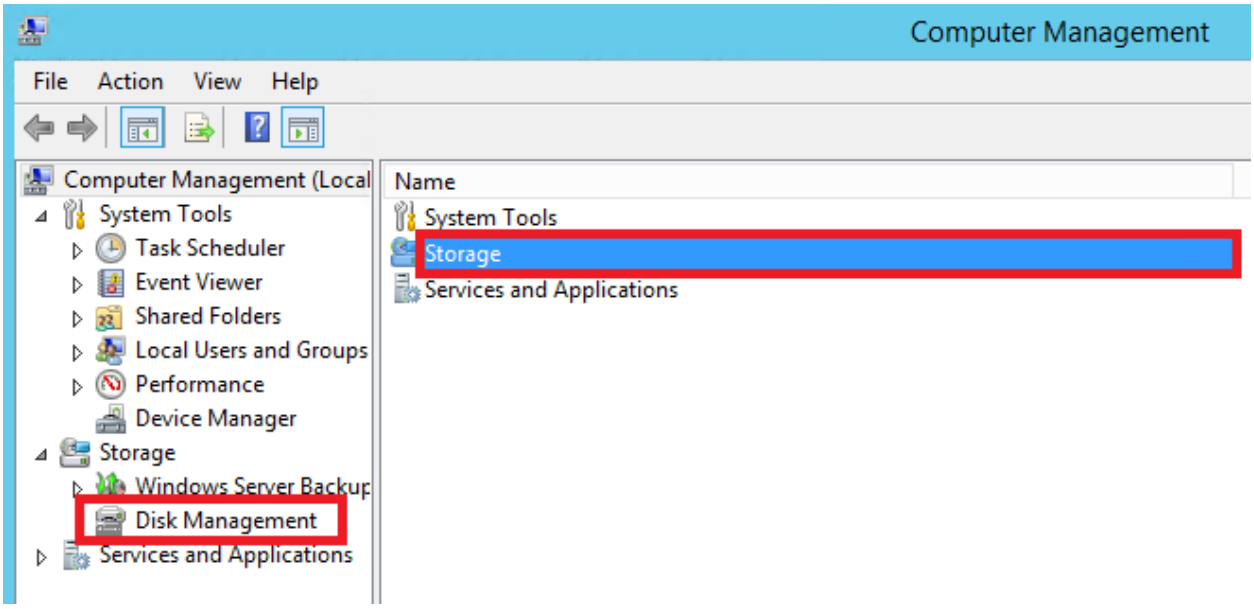


- Turn-off both the *Administrator* and *User,* for IE enhanced security. Click **OK**.

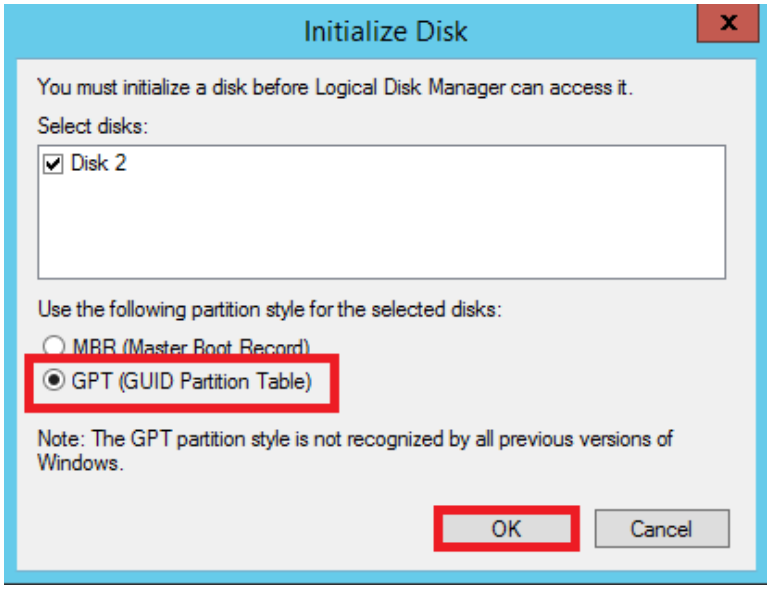


- Refresh the page. The *IE Enhanced Security Configuration* should not show as **Off**.
- Now, click on **Tools** at the top-right corner of the *Server Manager* and select **Computer Management.**

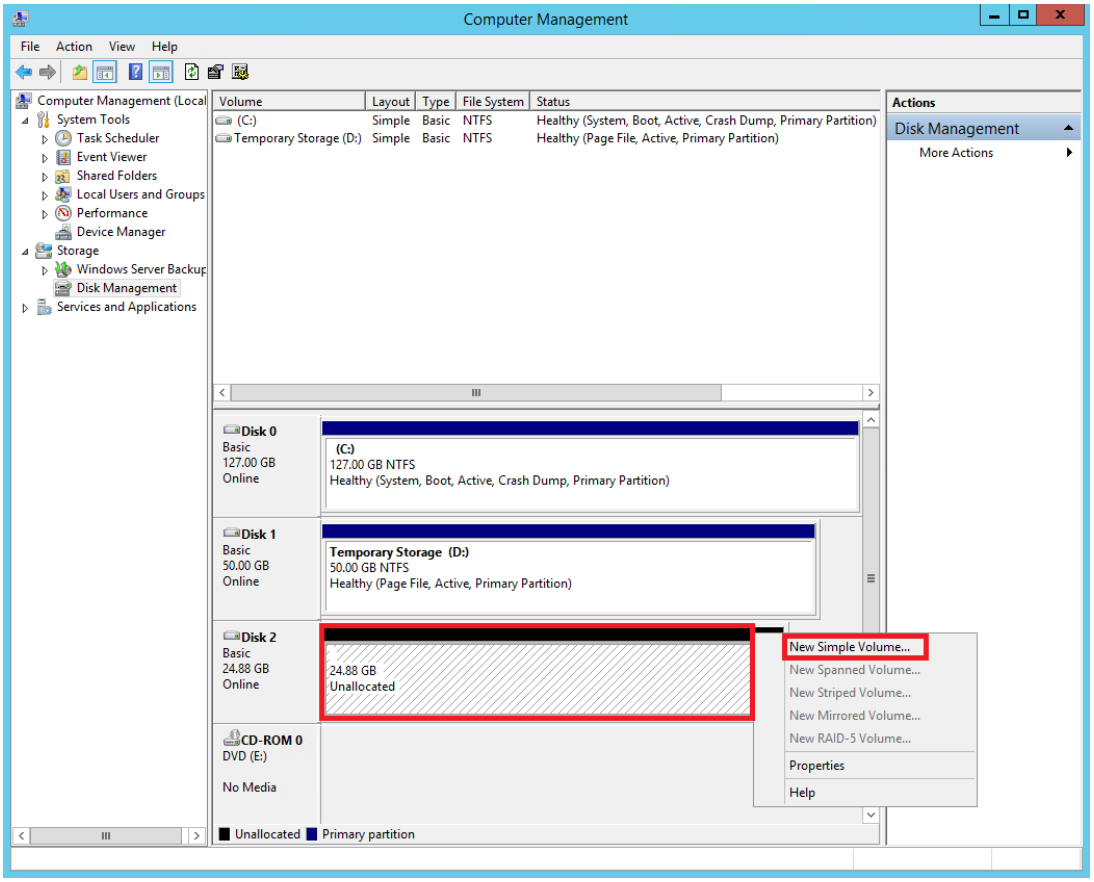
- On the Computer Management window, select **Storage** and click on ***Disk Management*** under it.



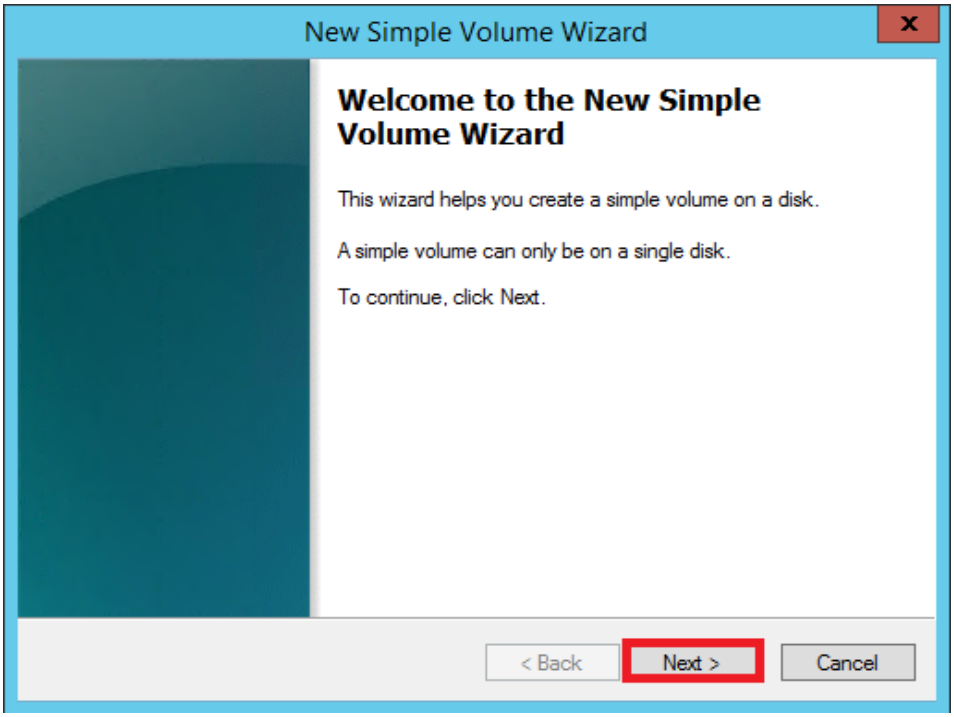
- A dialog box pop-ups to initialize the disk. Select ***GPT (GUID Partition Table)*** and click **OK**.



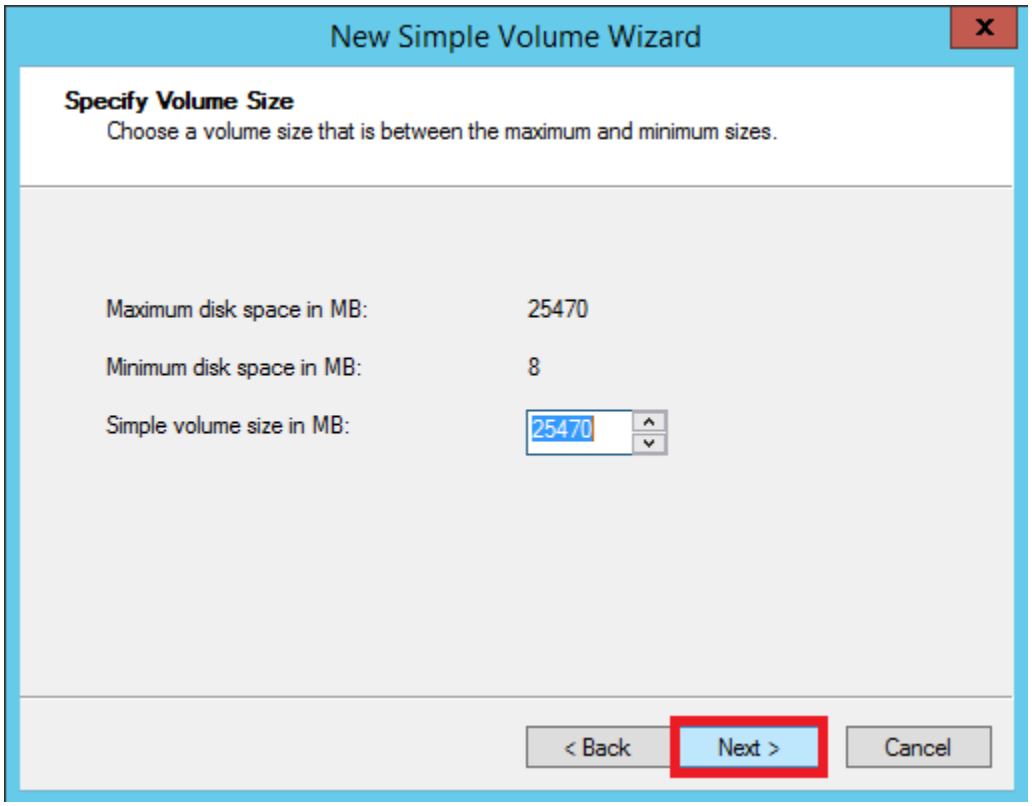
- In the Disk Management window, scroll down to the Disk 2. Right-click on it and select ***New Simple Volume.***



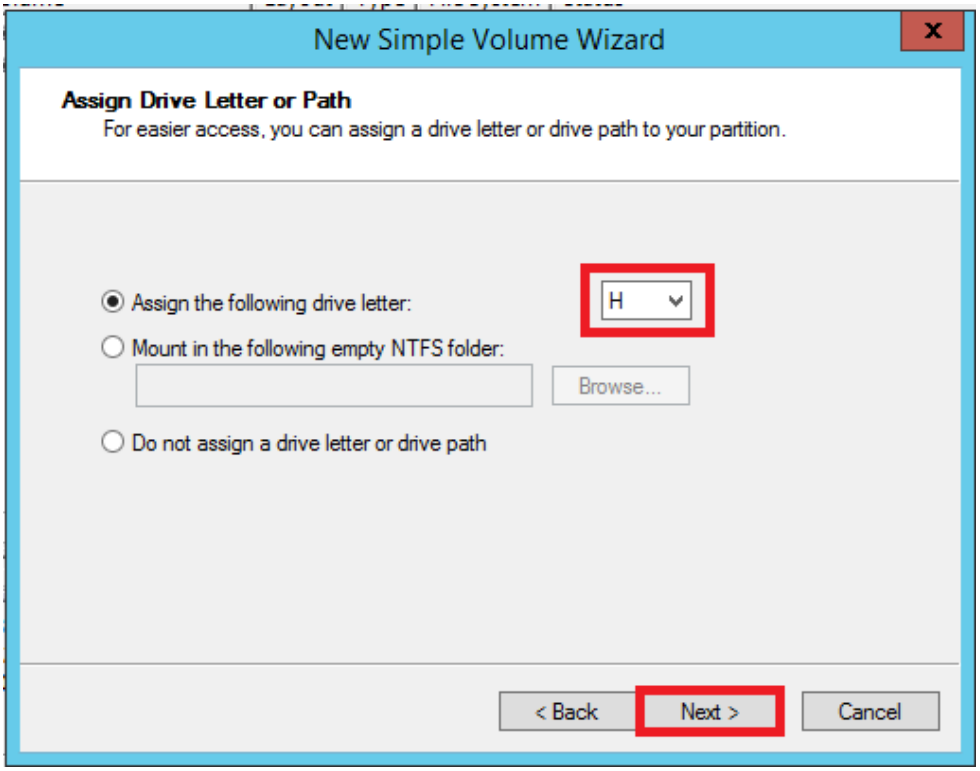
- Click **Next** when the *New Simple Volume wizard* appears.



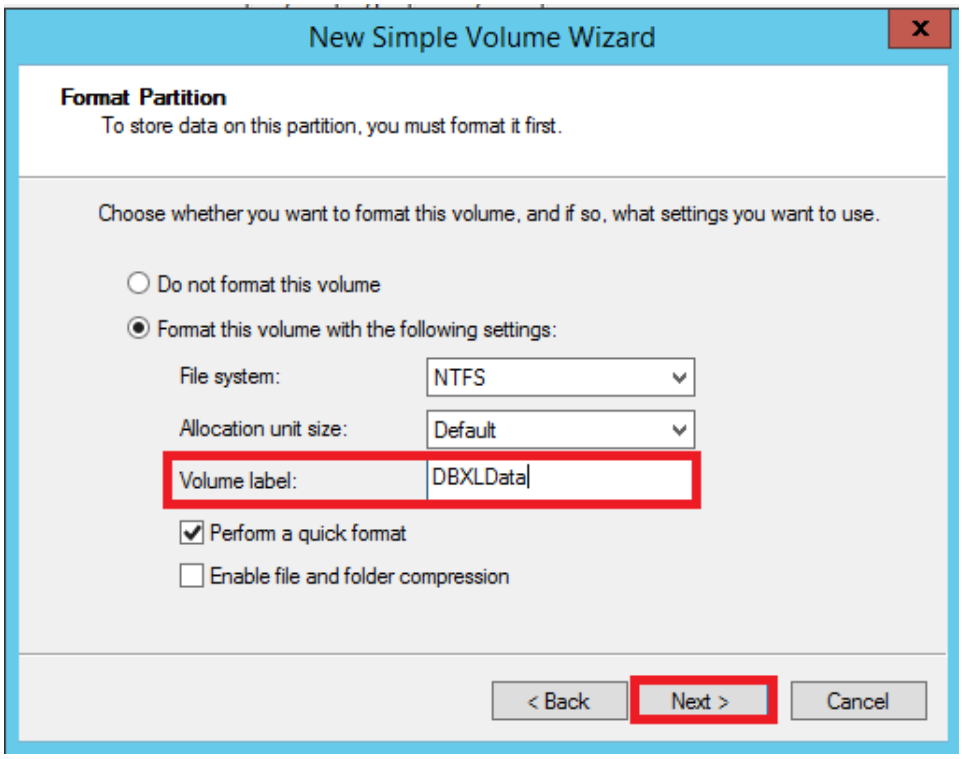
- Let the Simple Volume size be the default value. Click **Next**.



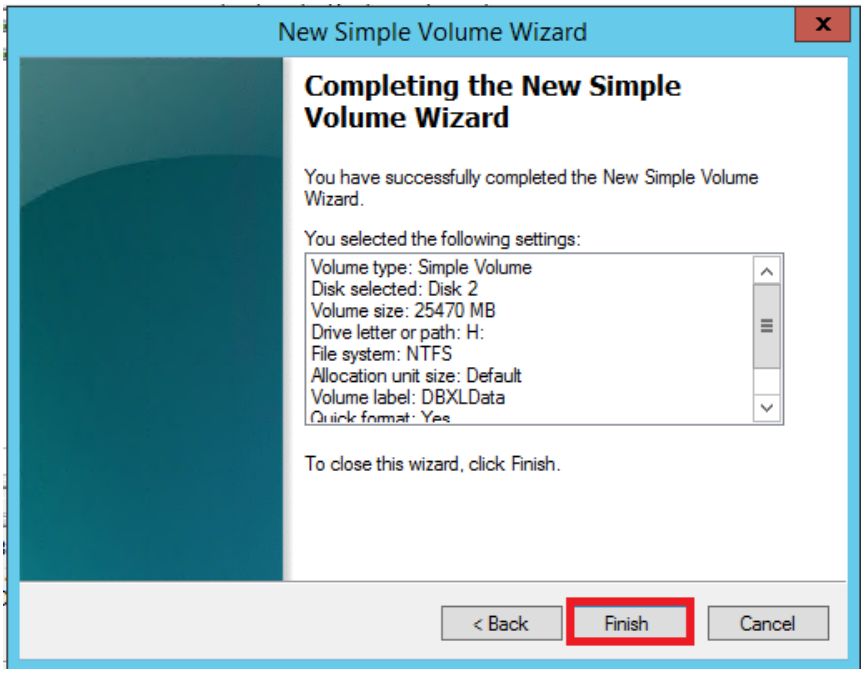
- On the next window, assign the *drive letter or path* (e.g. H). Click **Next**.



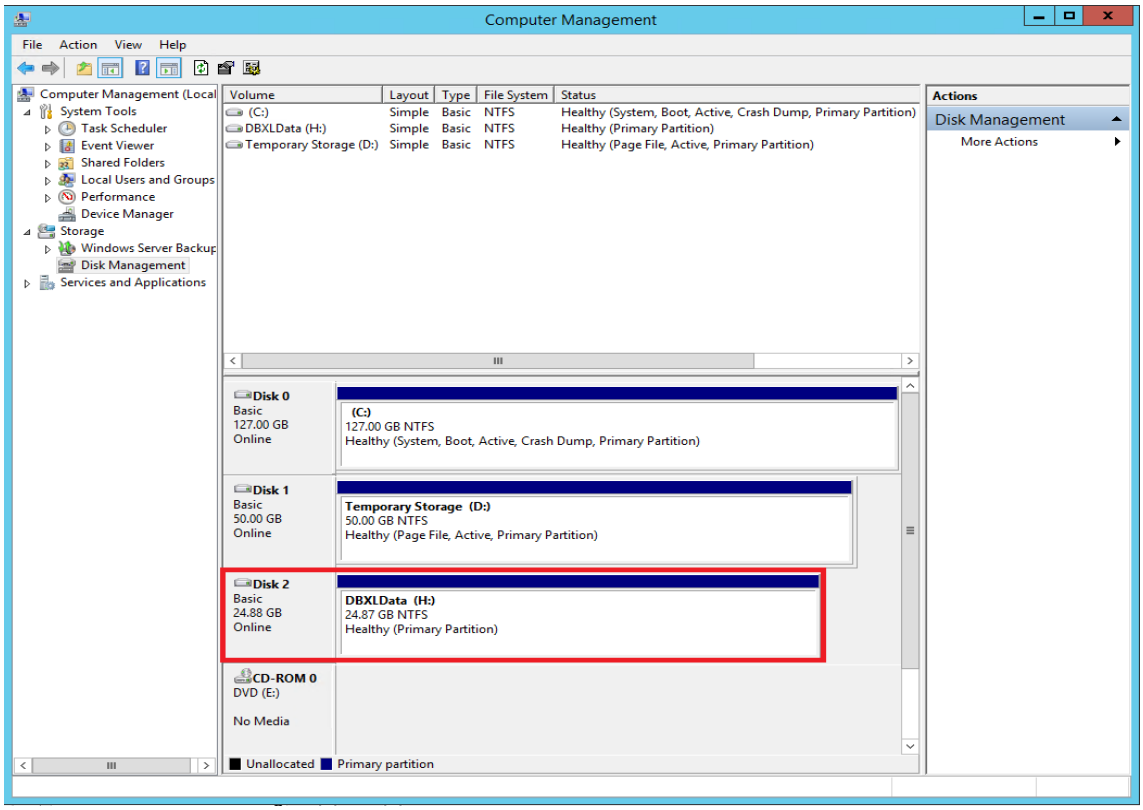
- For the Format Partition, enter the ***Volume label*** name (eg. DBXLData). Click **Next**.



- Click **Finish** on the next window, to complete the *New Simple Volume Wizard*.

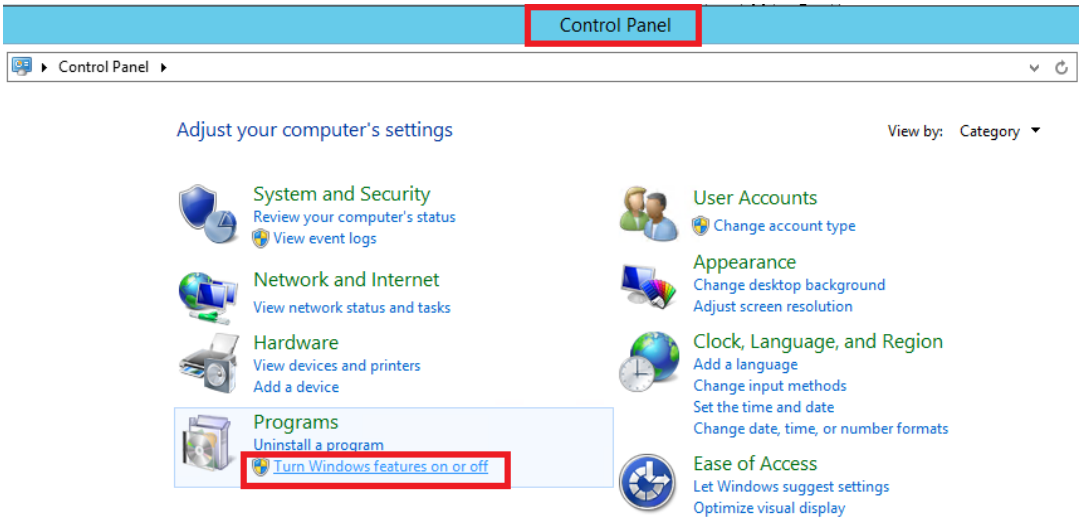


- On the Data management window, the Disk 2 will now have a Volume Label name (DBXLData) and drive letter (H:) selected and the size (24.87GB).

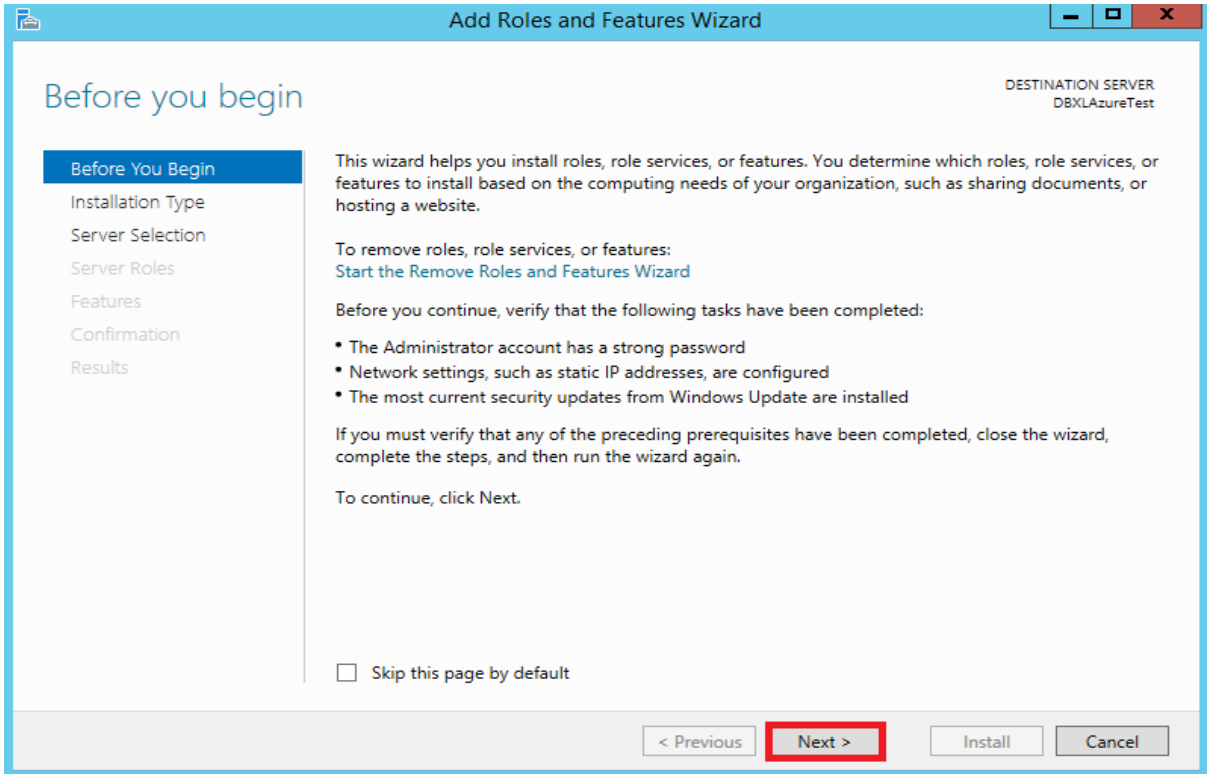


INSTALL WEB SERVICE (IIS) AND .NET FRAMEWORK 3.5

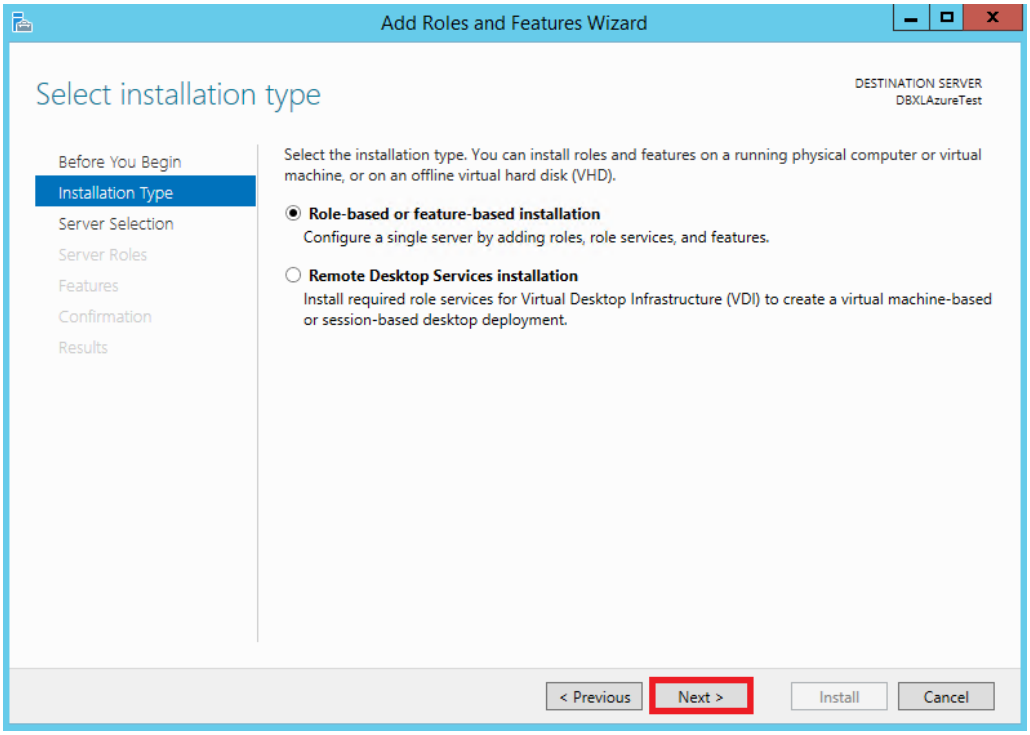
- Open the Control Panel and click on ***Turn Windows features on or off***, under Programs.



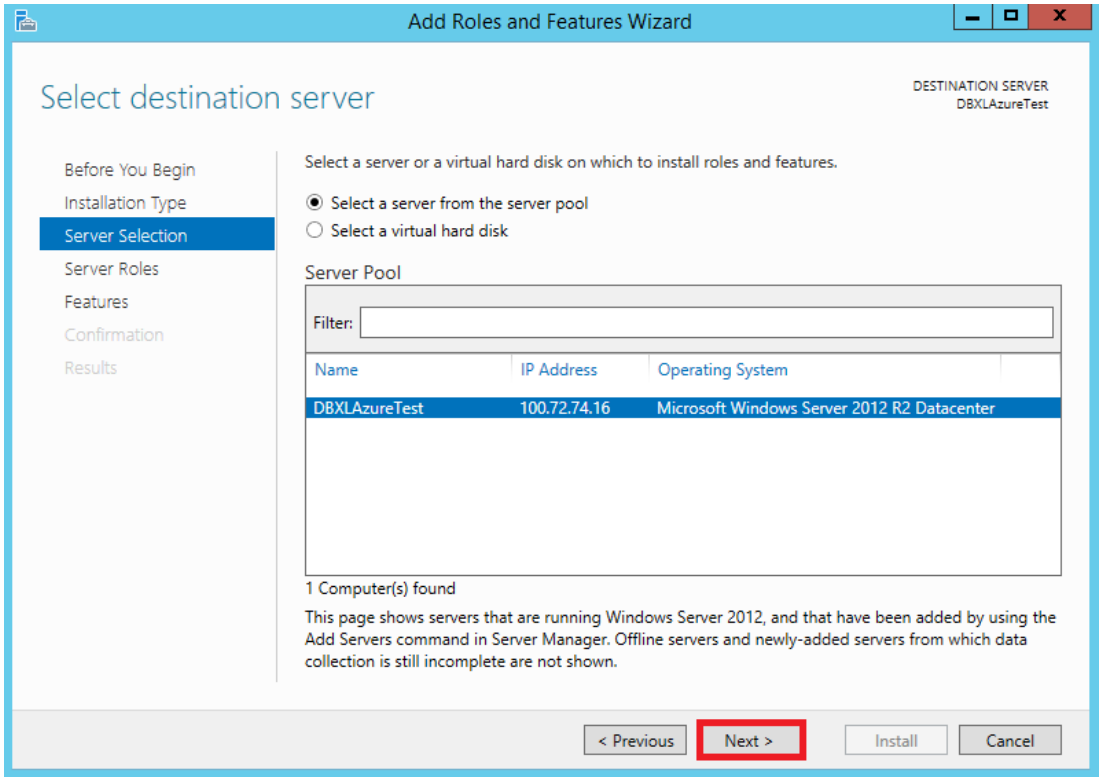
- *Add Roles and Features Wizard* opens up. Click **Next**.



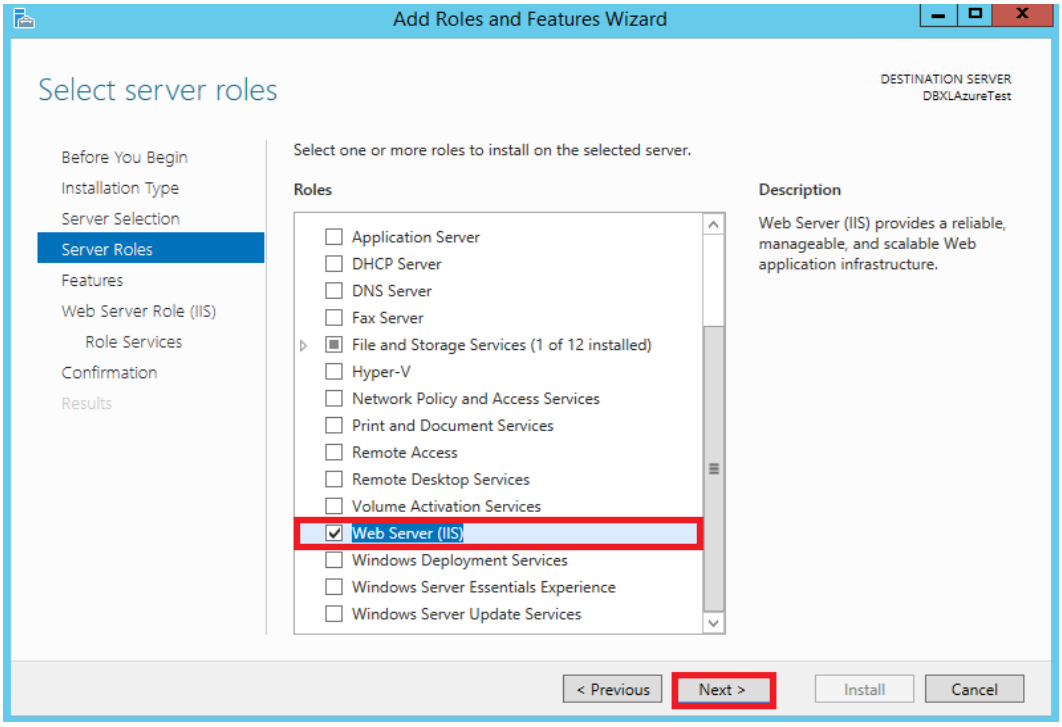
- Click **Next** on the *Installation Type* window.



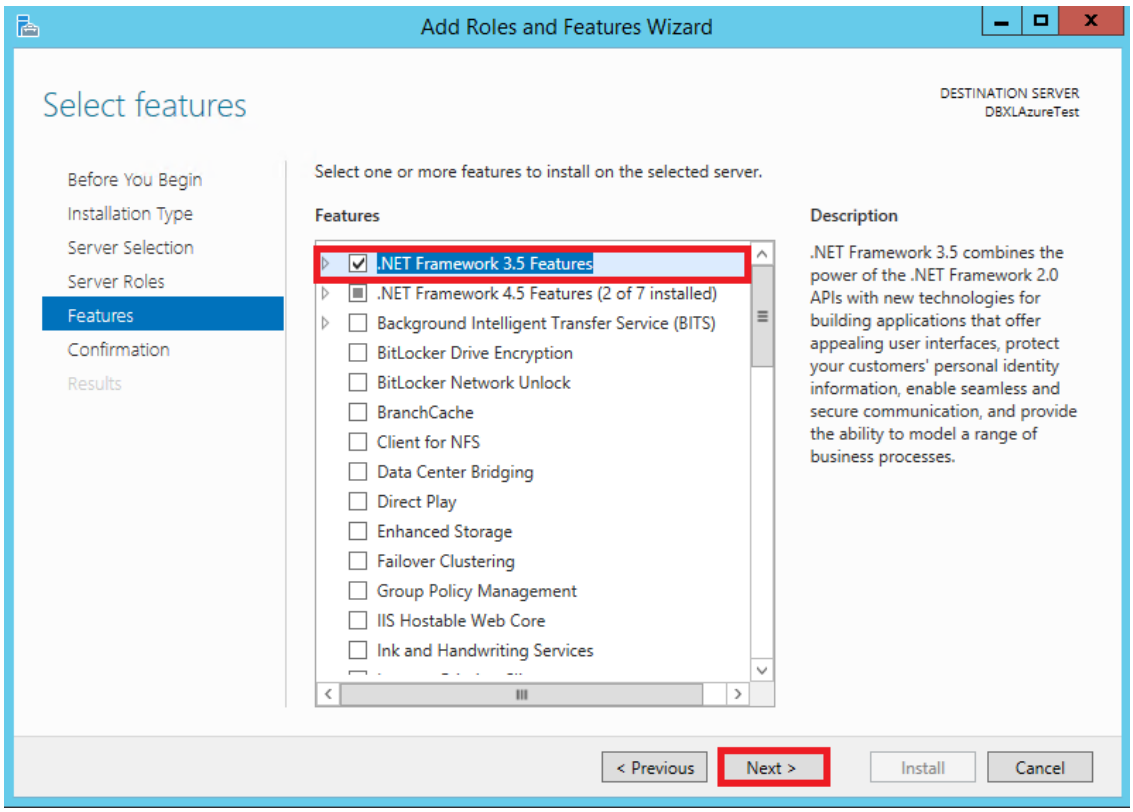
- Click **Next** on the *Server Selection* window.



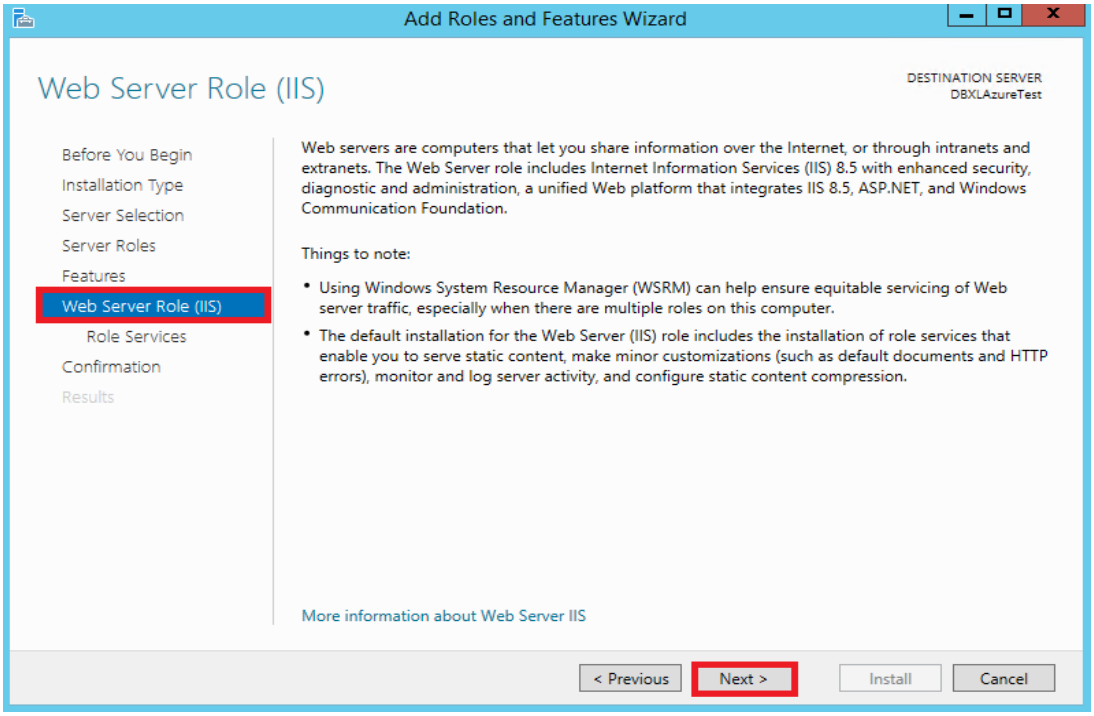
- Check **Web Server (IIS)** on the *Server Roles* window. Click **Next.**



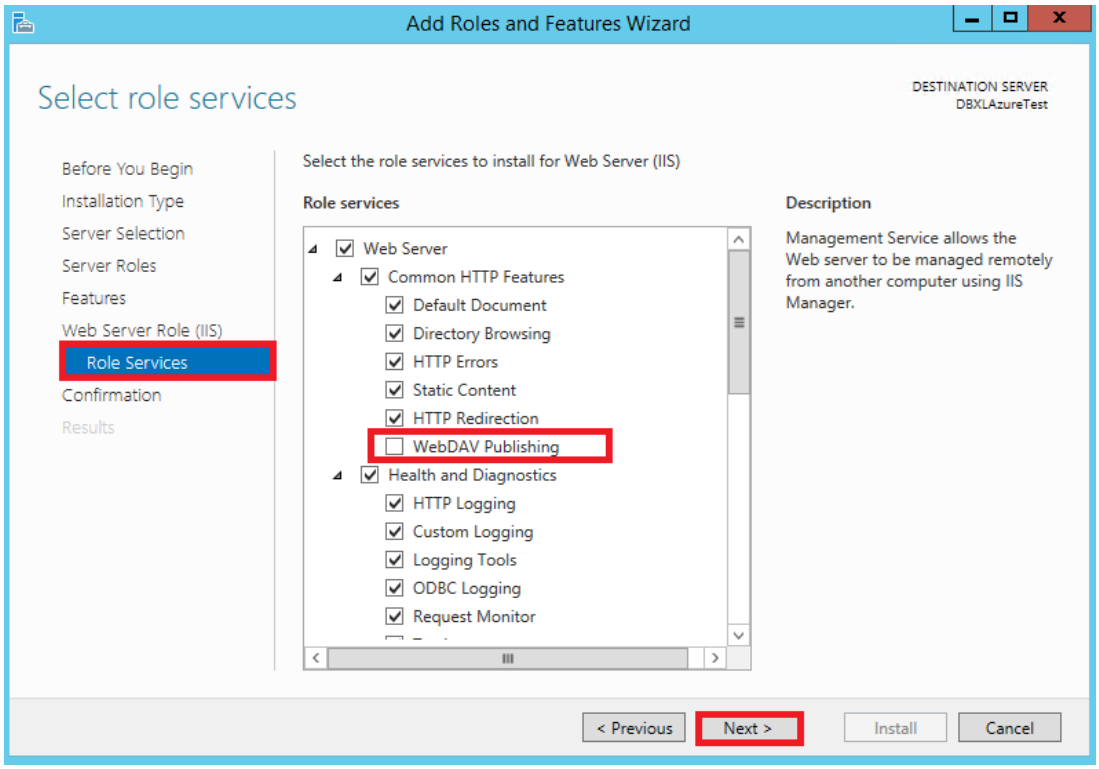
- Check the **.NET Framework 3.5 Features,** on the *Select Features* window. Click **Next.**



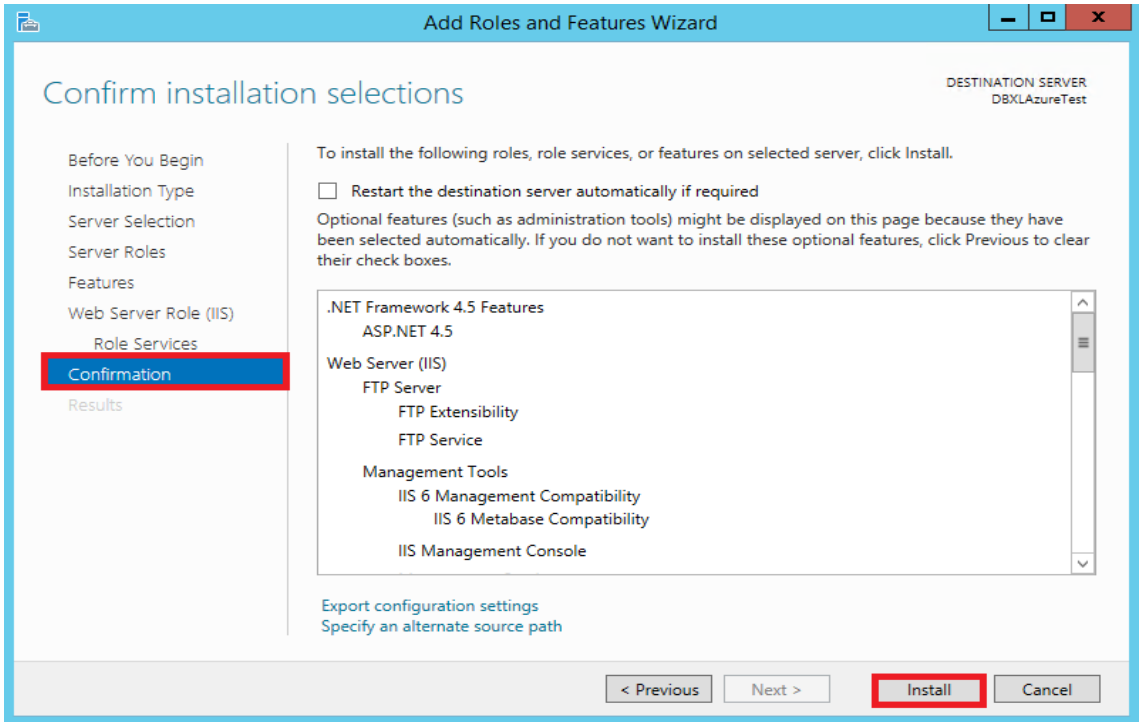
- Click **Next** on the *Web Server Role (IIS)* window.



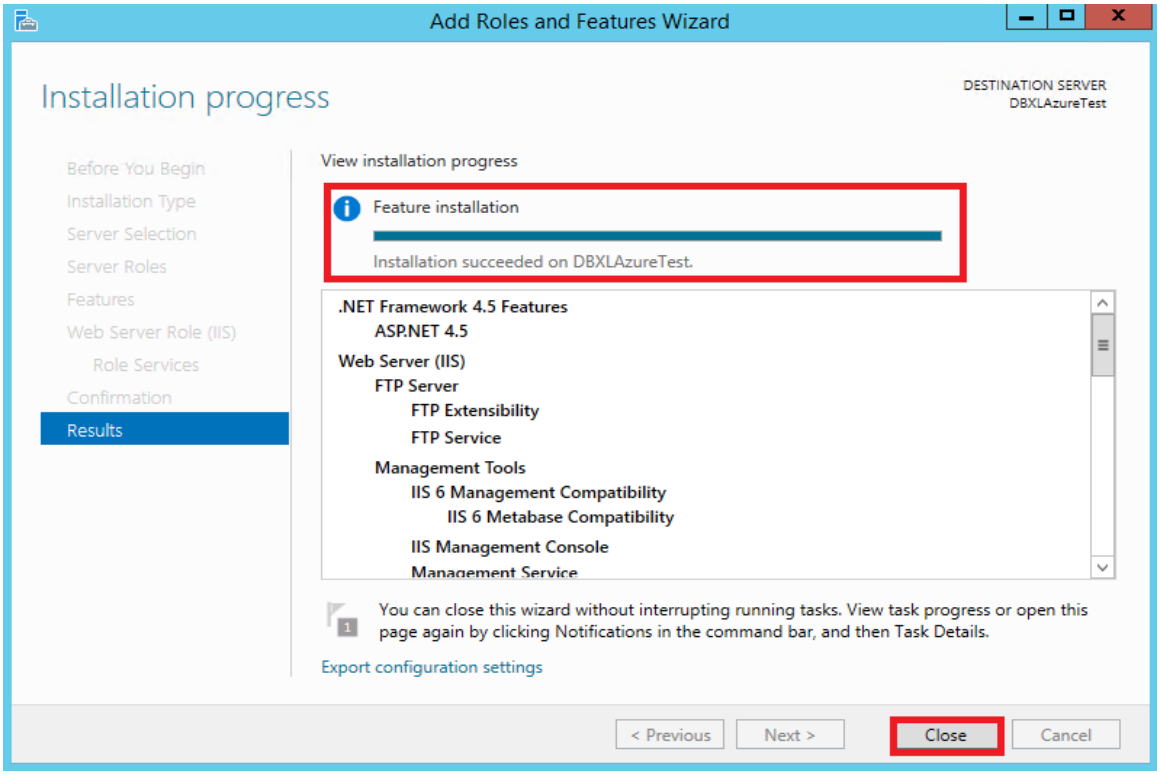
- On *Roles Services* window, check all the boxes except for ***WebDAV Publishing***. Click **Next.**



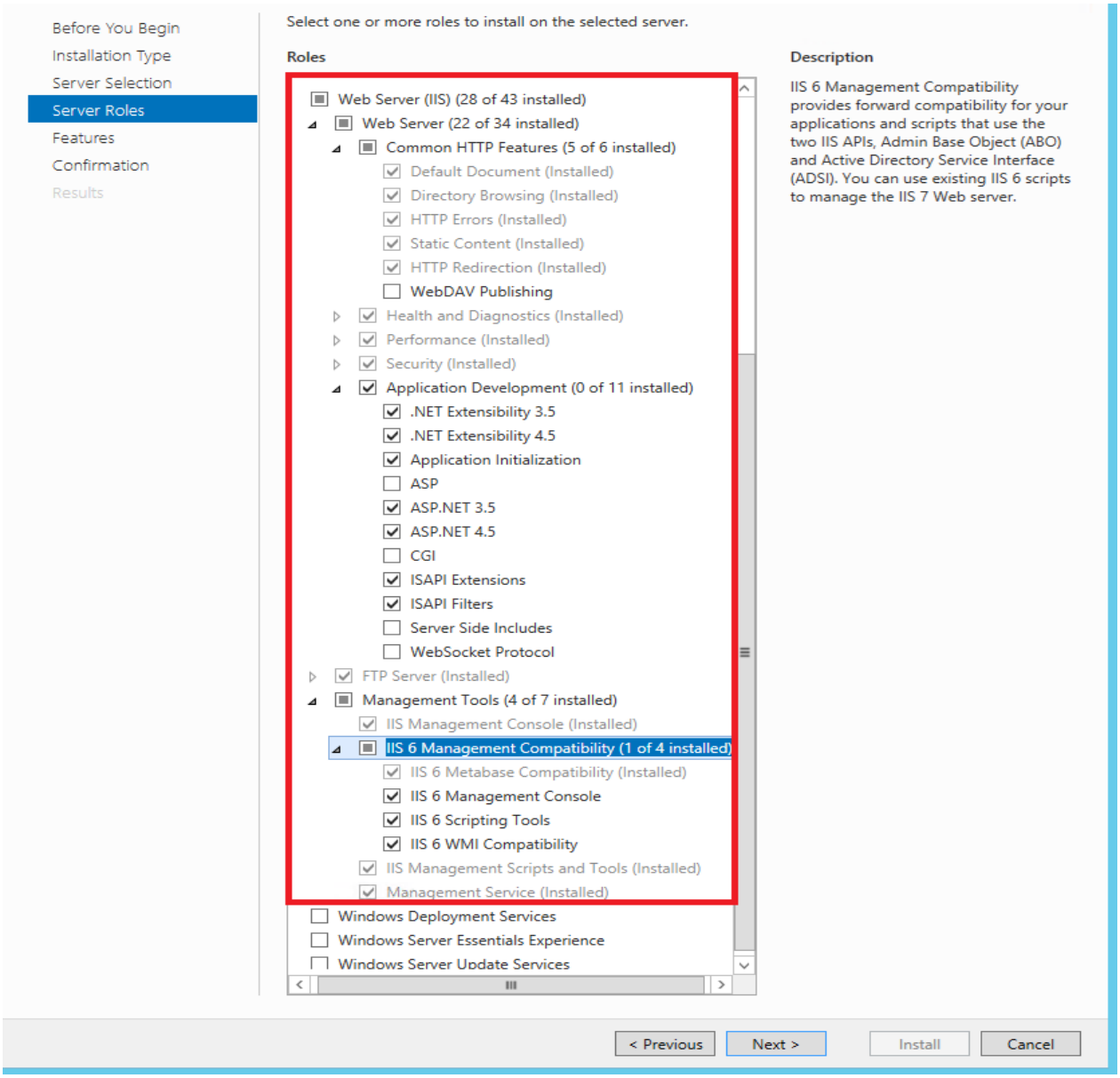
- On the *Confirmation* window, click **Install.**



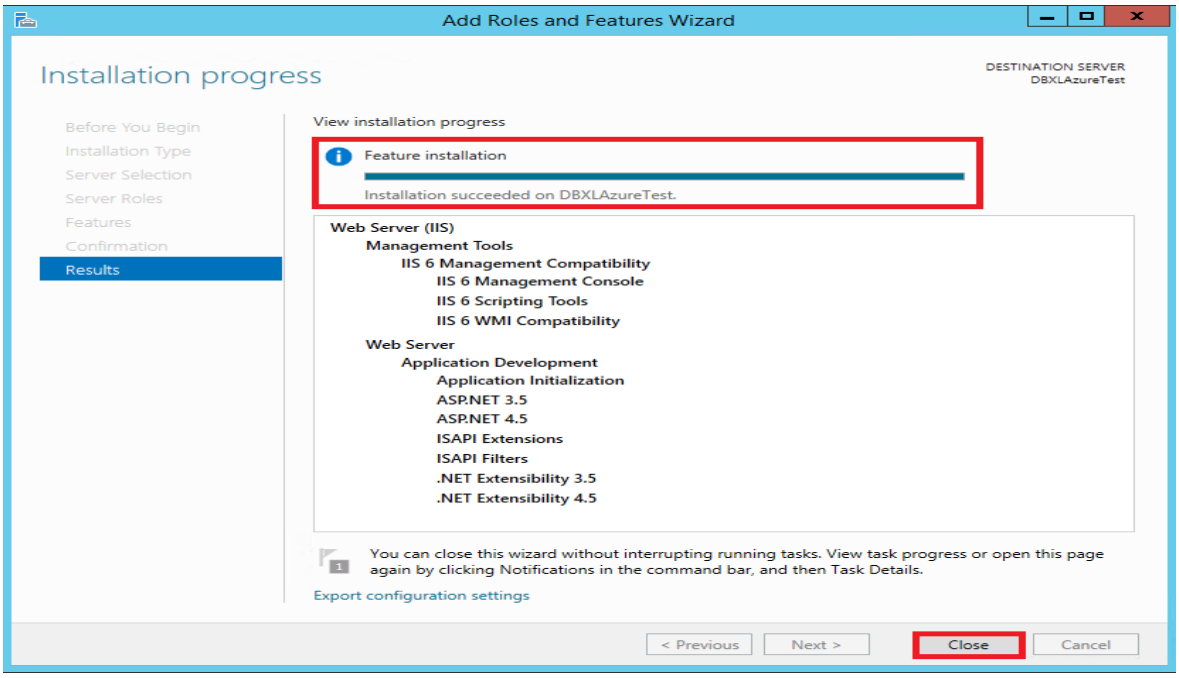
- Once the installation is successful, click **Close.**



- Open the **Control Panel** again and select *Turn Windows Features on and off* under ***Programs*.**
- Click **Next** 3 times till you reach the Server Roles window. On *Server Roles*, select the uninstalled roles under **Web Server (IIS)** shown in the screenshot below:

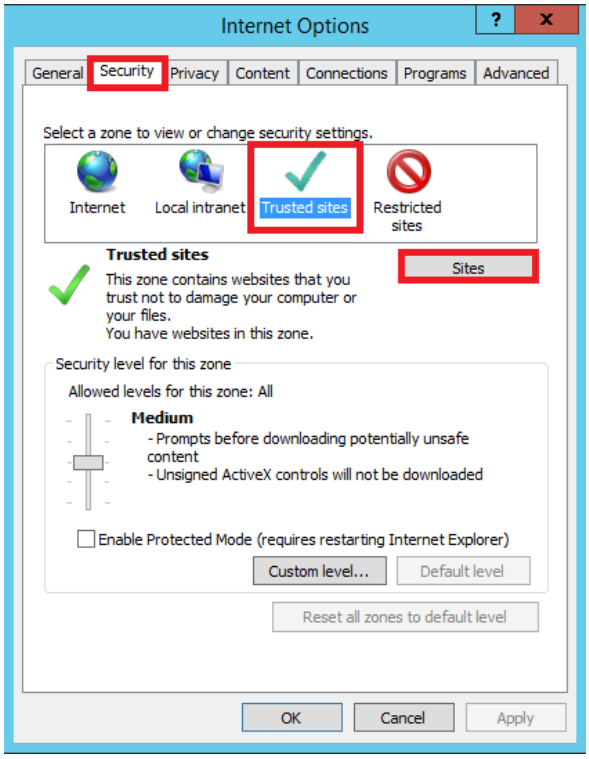


- Click on **Install** and **Close** the dialog box after the install is successful.

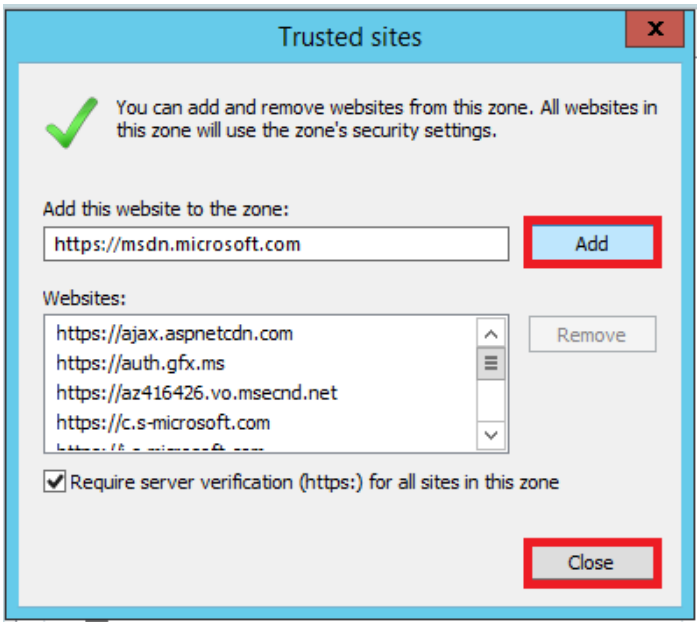


SQL Server Express 2014 Installation

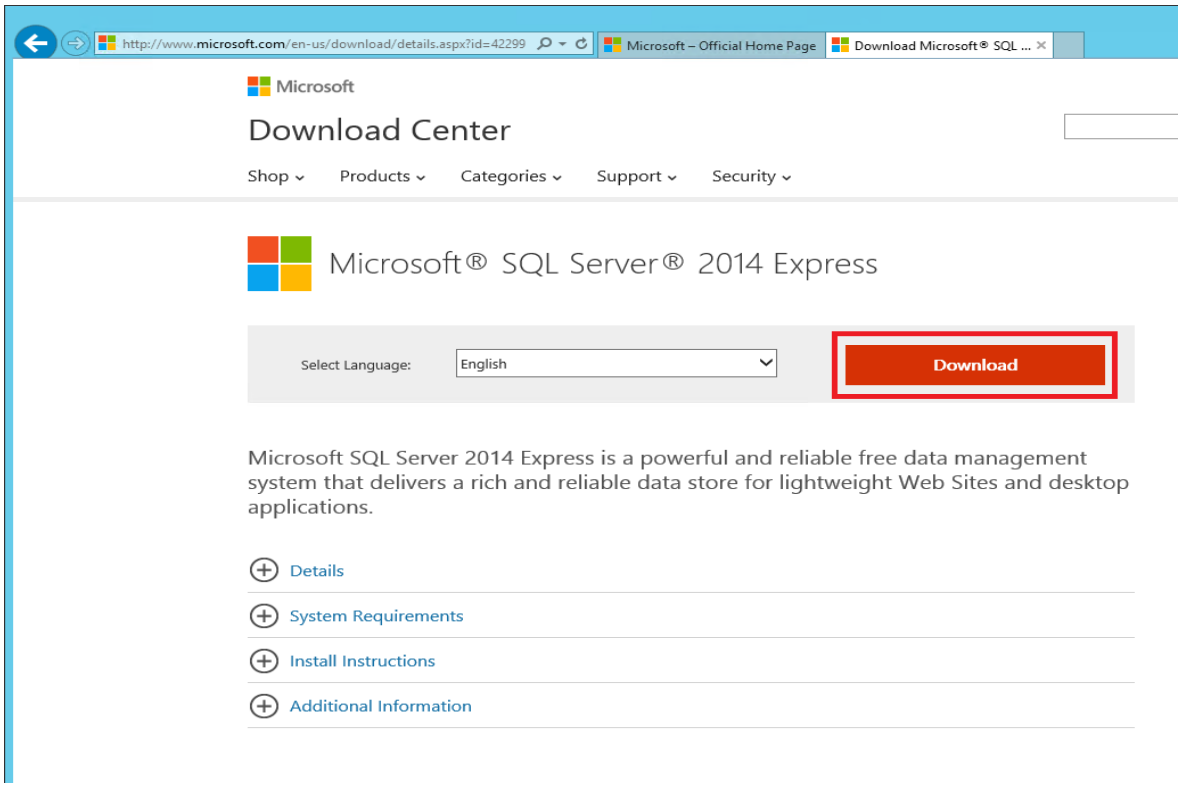
- Open **Internet Explorer** and type in the Microsoft URL for downloading *SQL Server Express 2014 Edition.*
- Once the download screen opens up, click on the gear icon at the top-right corner of the IE to expand it.
- Select **Internet Options**. Click on the **Security** tab and select ***Trusted Sites*.**



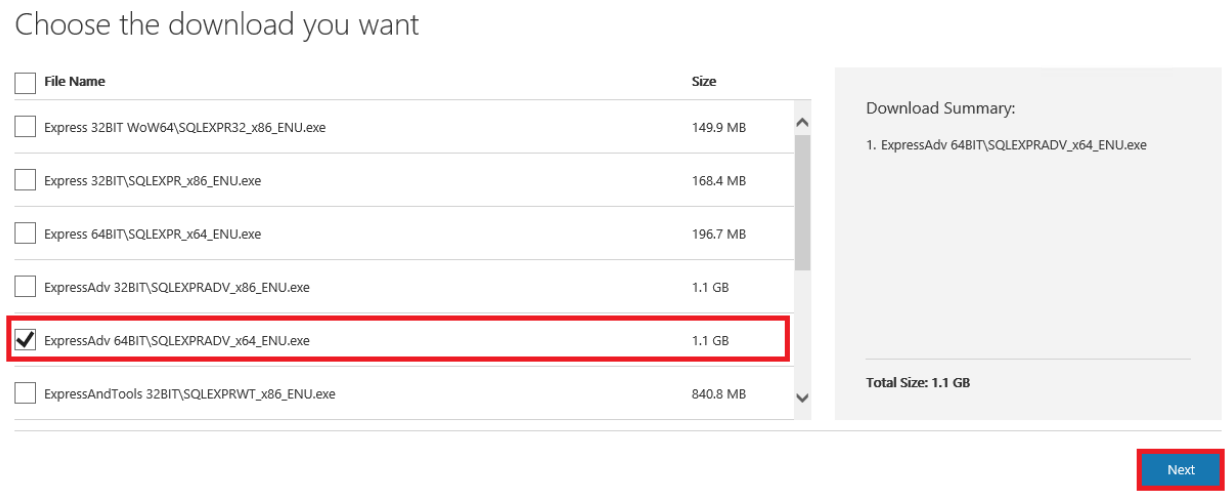
- Click on **Sites** and **Add** the site. Click **Close.**



- Go back to the *SQL Server Express 2014 Edition* download page on the Internet Explorer and click on **Download**.

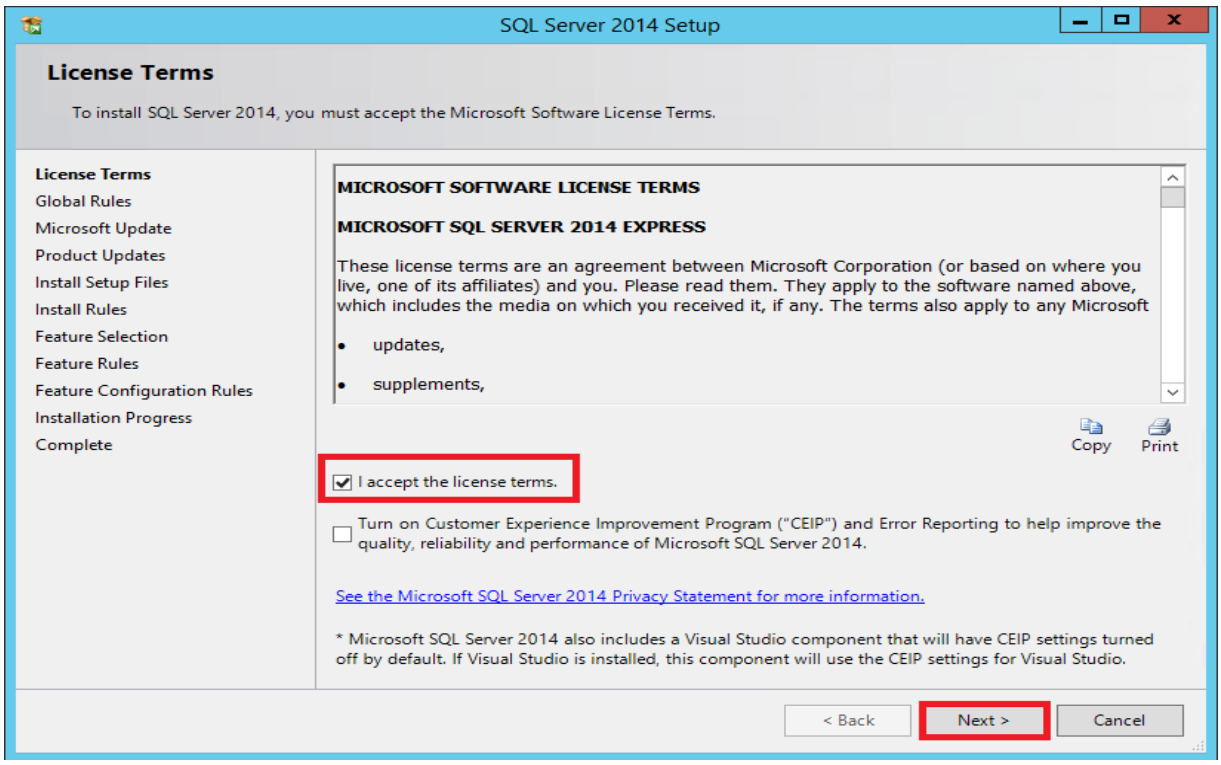


- Select ***ExpressAdv 64BIT\SQLEXPRADV_x64_ENU.exe*** and click **Next**.

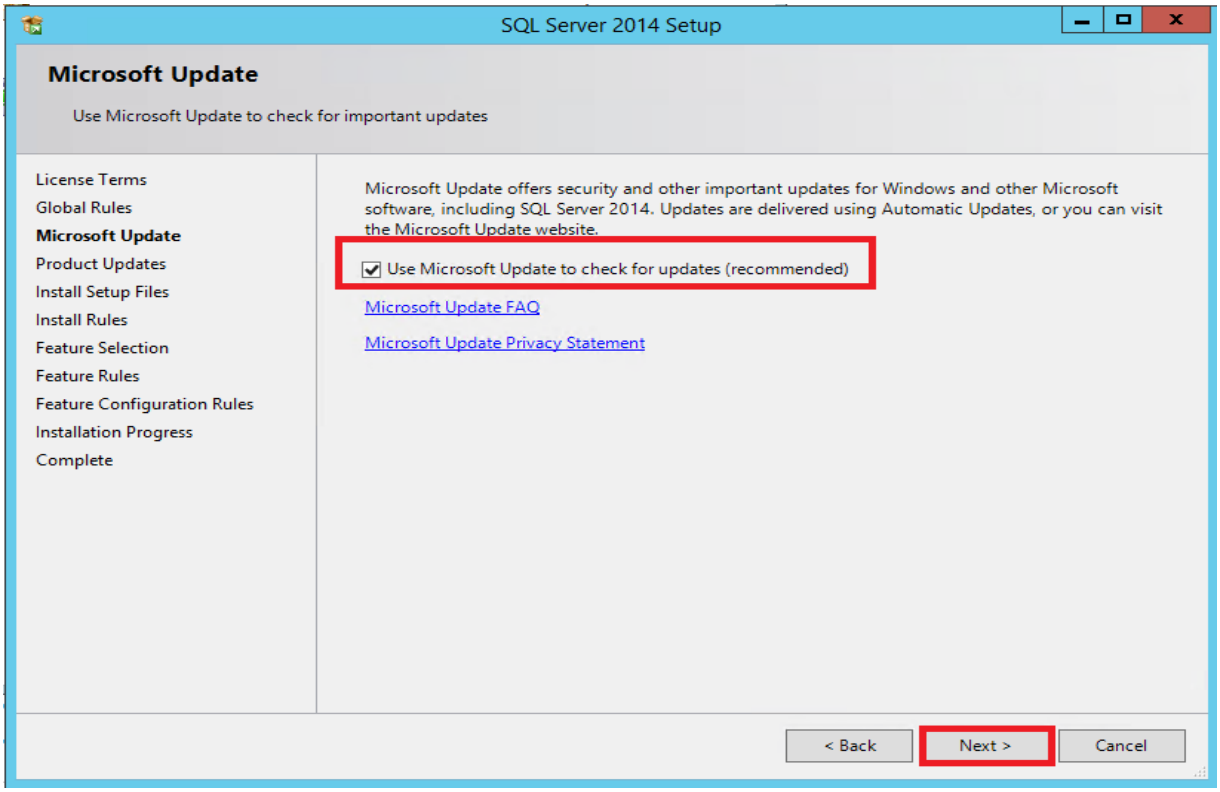


- Save the ***SQLEXPRADV_x64_ENU.exe.***

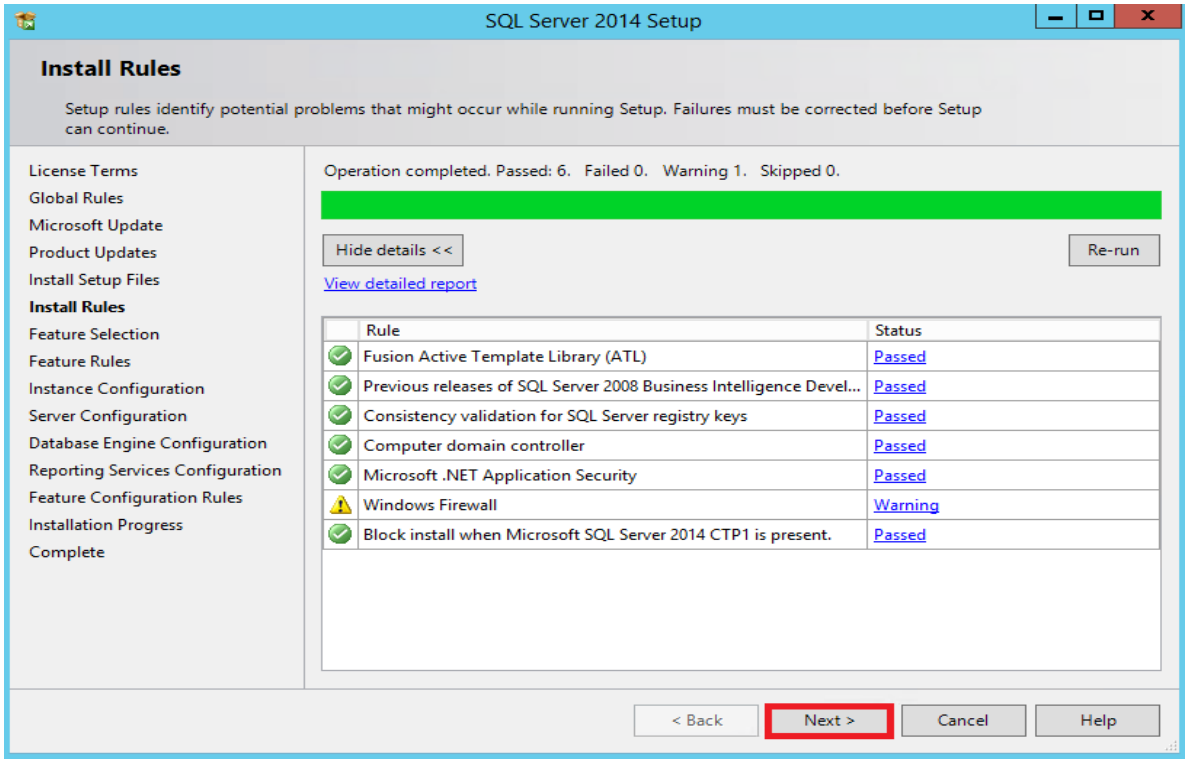
- Once it is saved, click on **Run.**
- The *SQL Server 2014 Setup* window opens up. Check the box to accept the license terms. Click **Next.**



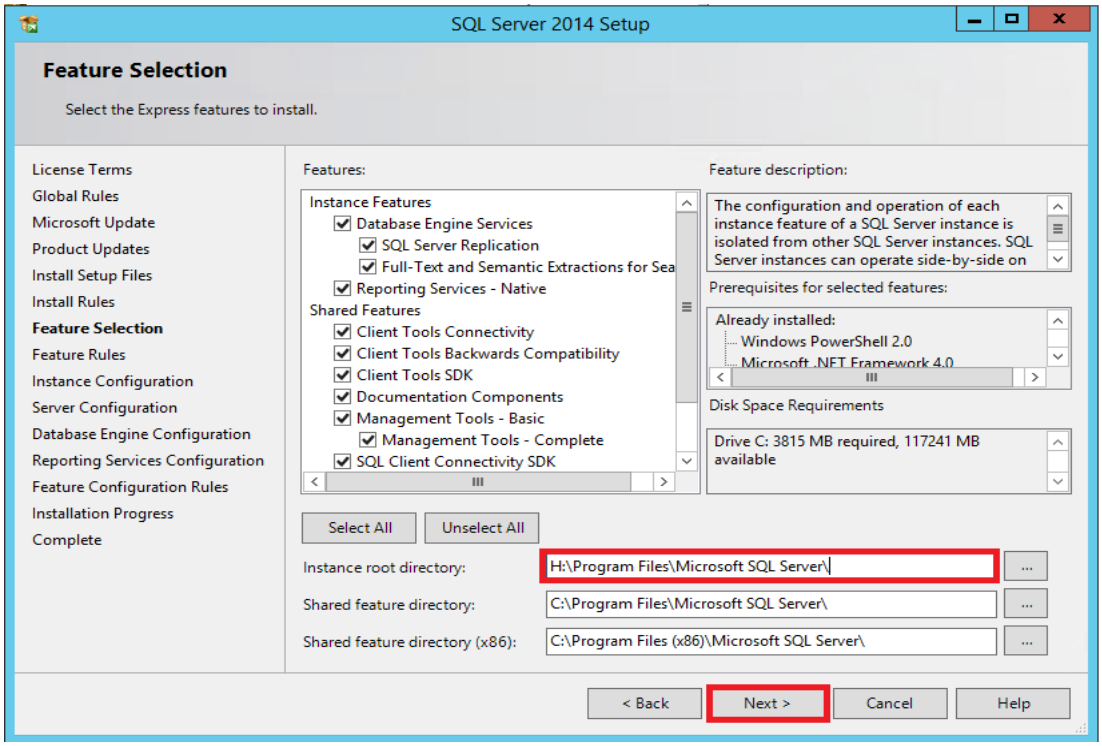
- Check the box for *Microsoft Update* and click **Next**.



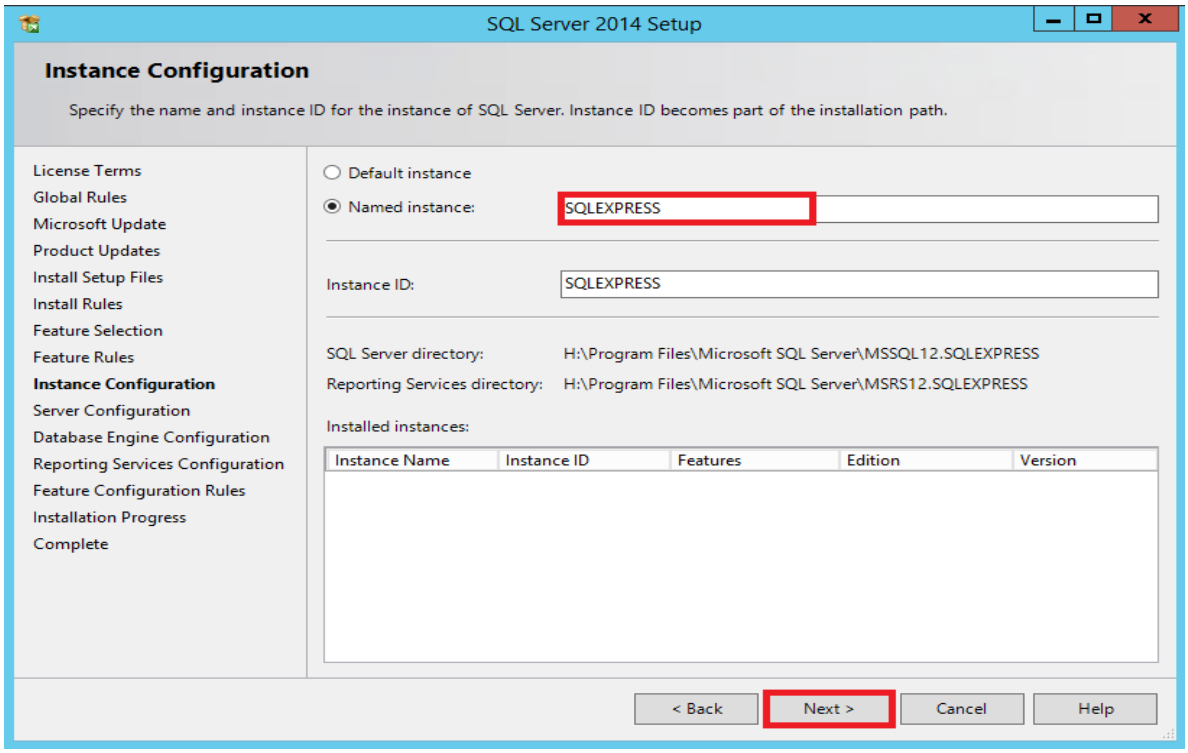
- On the *Install Rules* window, click **Next.**



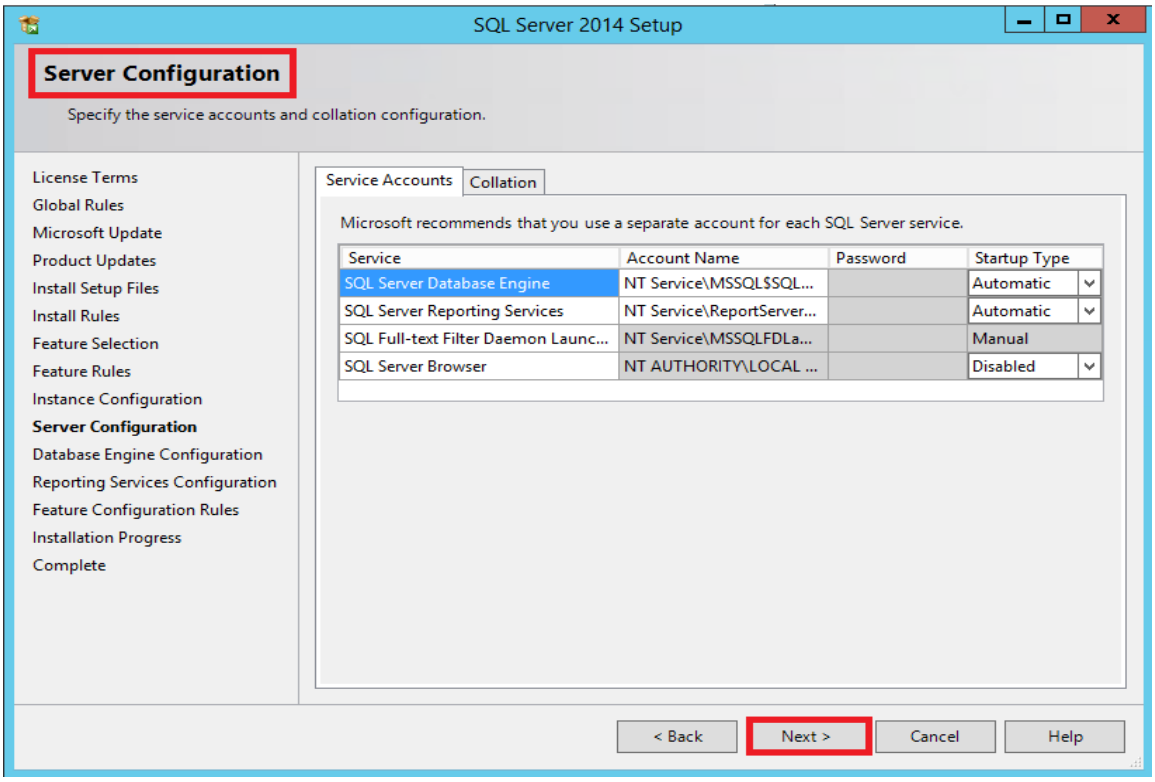
- For the *Feature Selection*, change the ***Instance root directory*** to the Drive you choose earlier (H:).



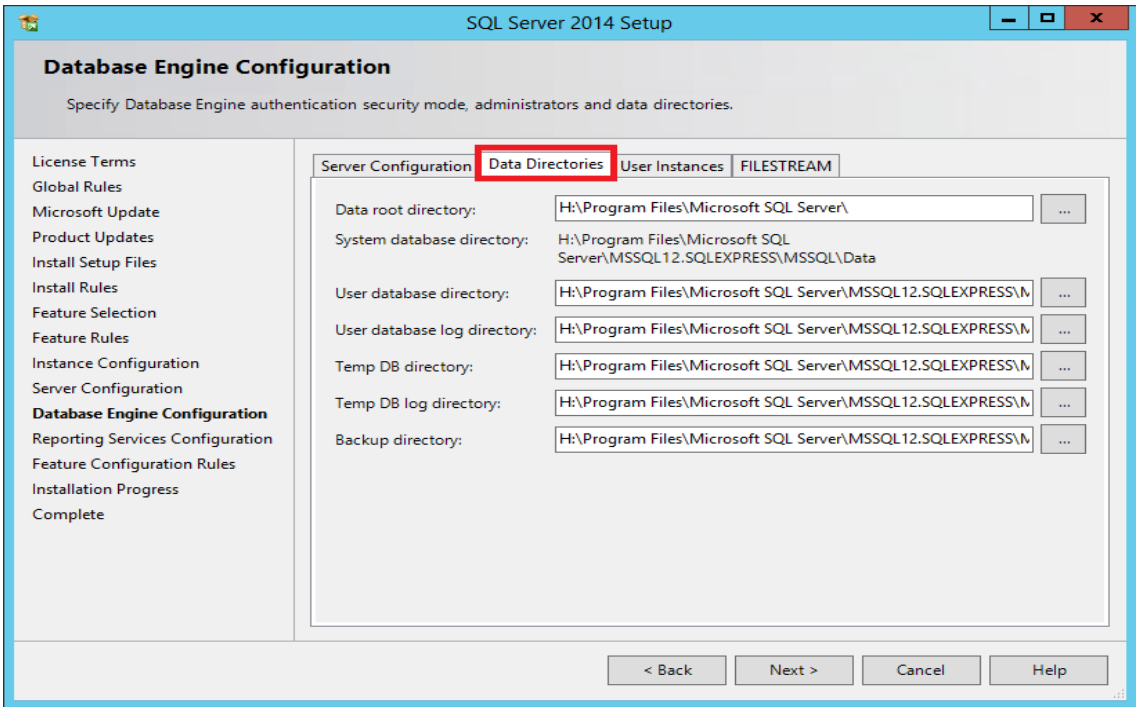
- On the *Instance Configuration* window, keep the default name for the **Named instance** (SQLEXPRESS) and click **Next.**



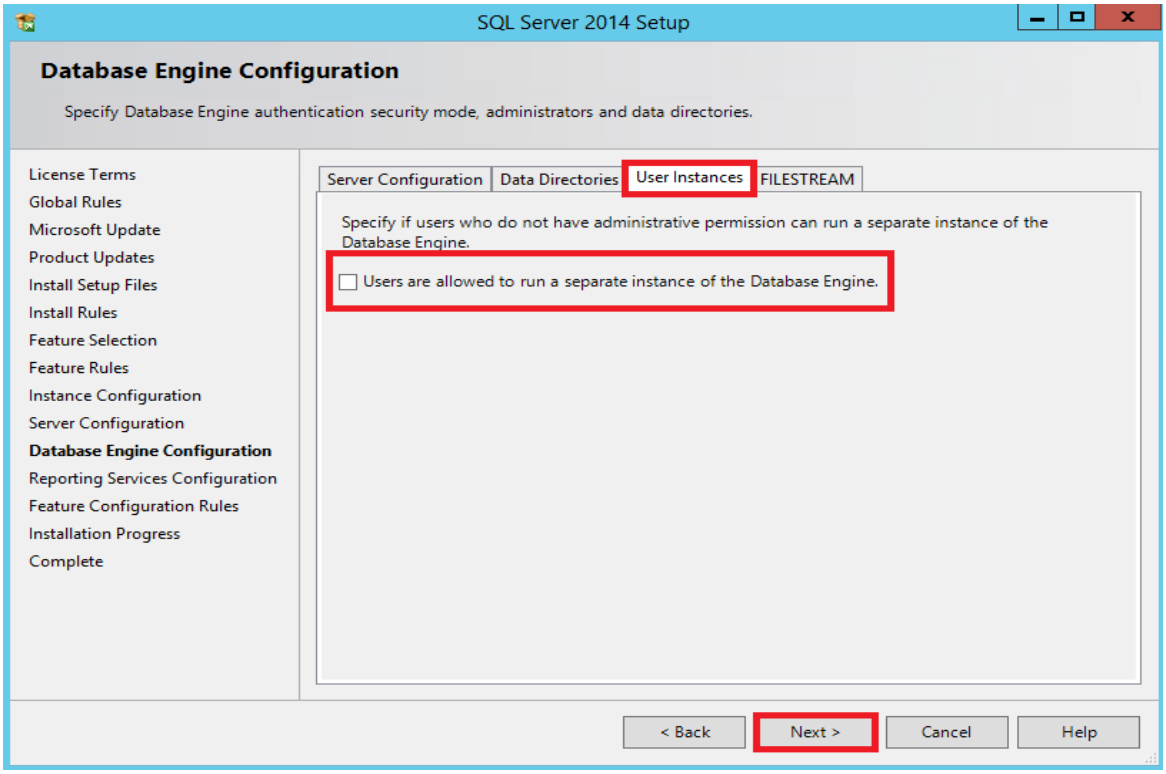
- On the *Server Configuration* window, click **Next.**



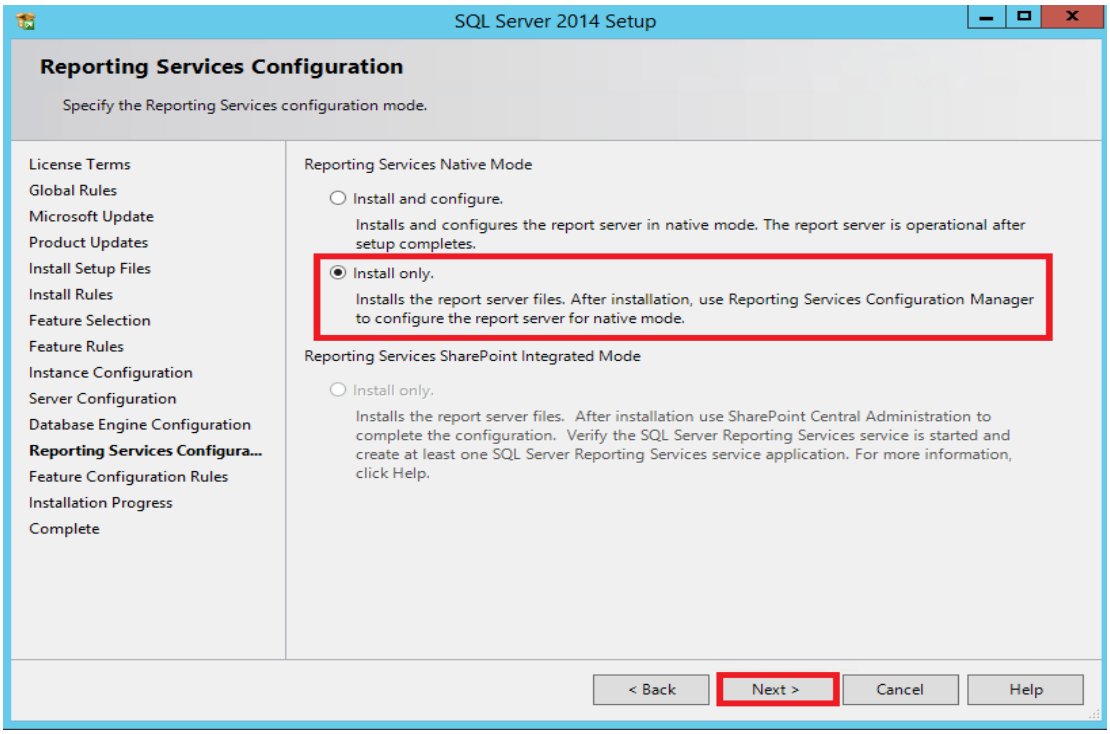
- On the *Database Engine Configuration*, click on ***Data Directories*** tab. Check that the directory is pointing to the drive chosen by you.



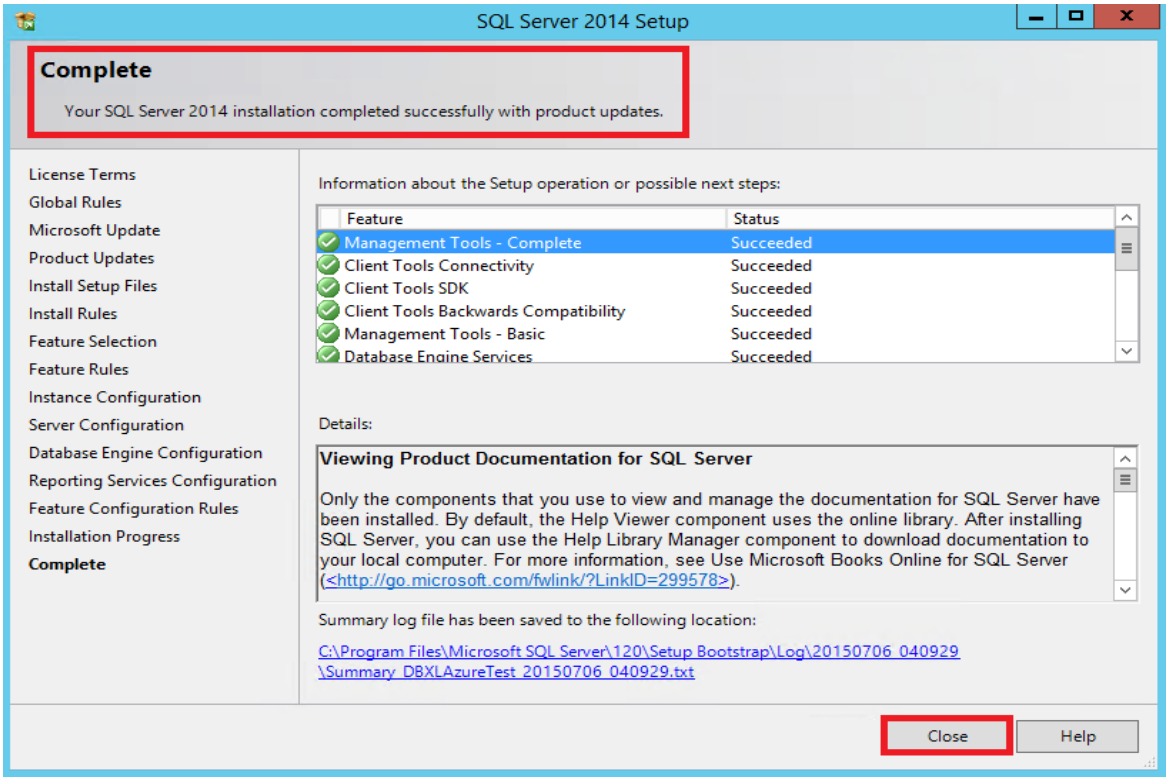
- Click on the ***User Instance*** tab and uncheck the box. Click Next.



- Click on ***Install Only*** on the *Reporting Services Configuration* window. Click **Next.**

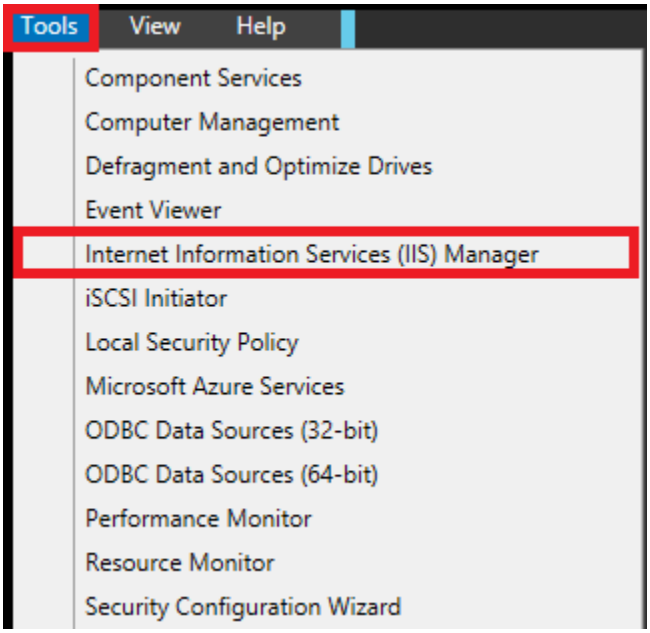


- *Installation progress* window shows the progress. When the installation is *Complete*, click on **Close.**

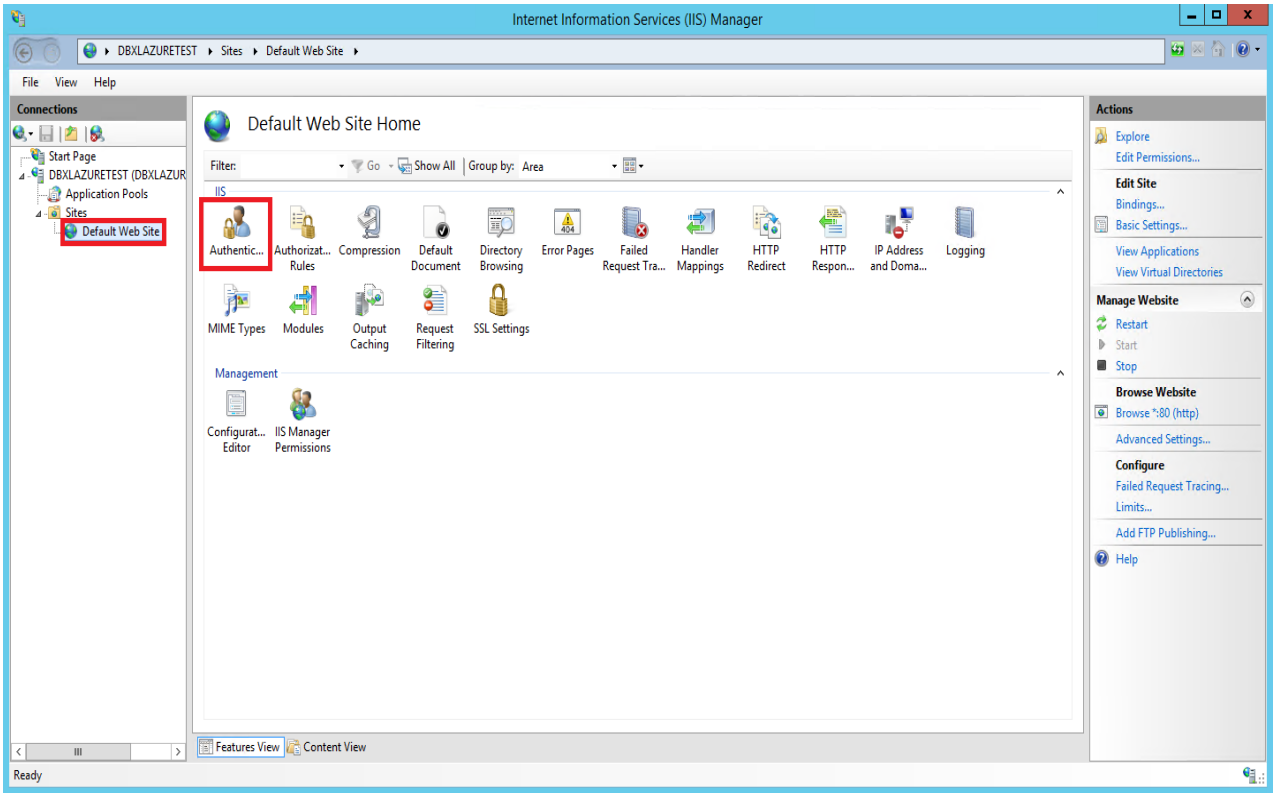


DBXL v3.1 Installation

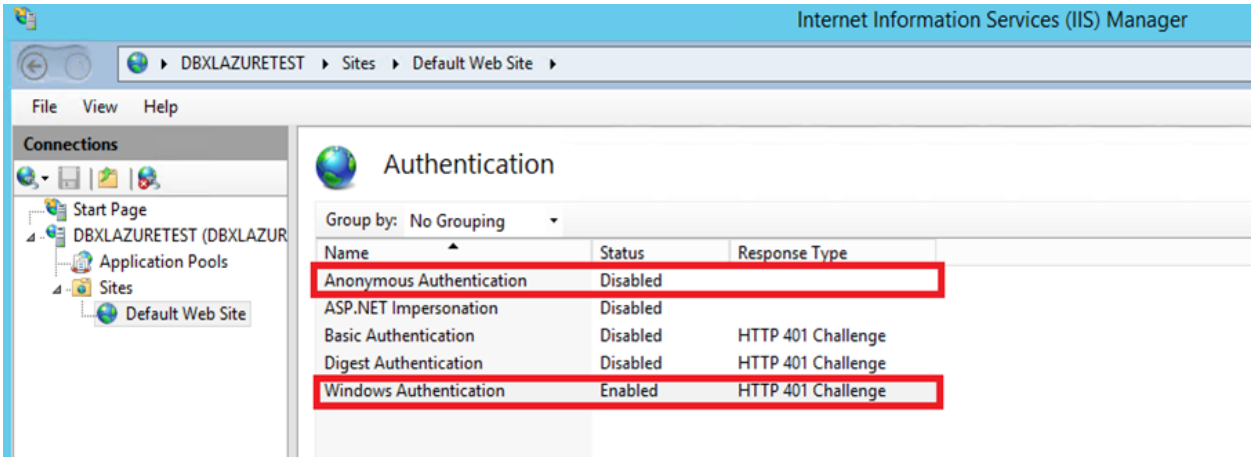
- Open the ***Server Manager***. Click on ***Tools*** on the upper-right corner and select **IIS Manager**.



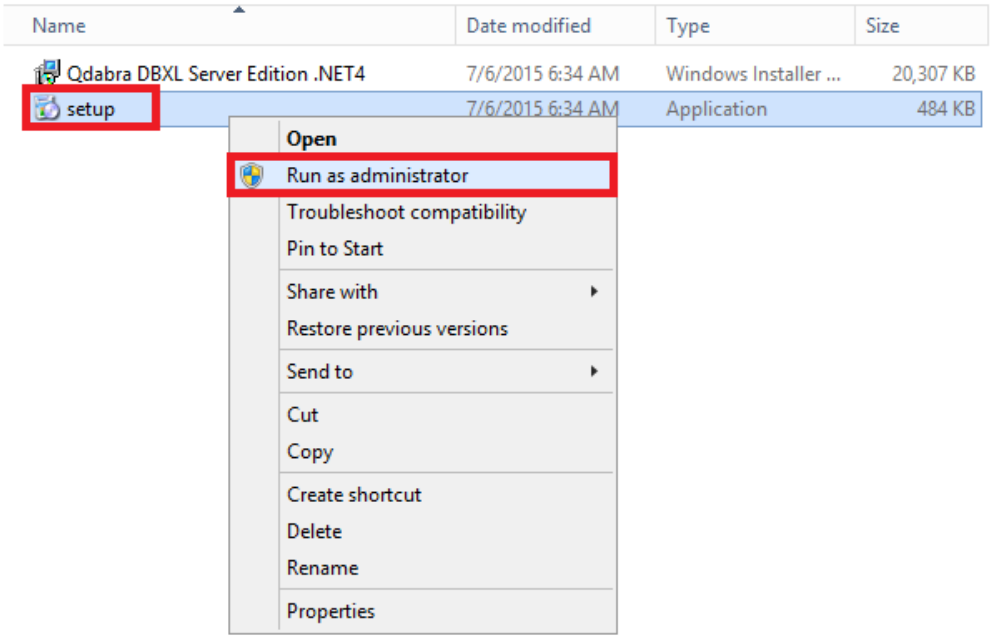
- On the IIS manager window, expand the sites and click on **Default Web Site**.
- On the right-side, double-click on **Authentication.**



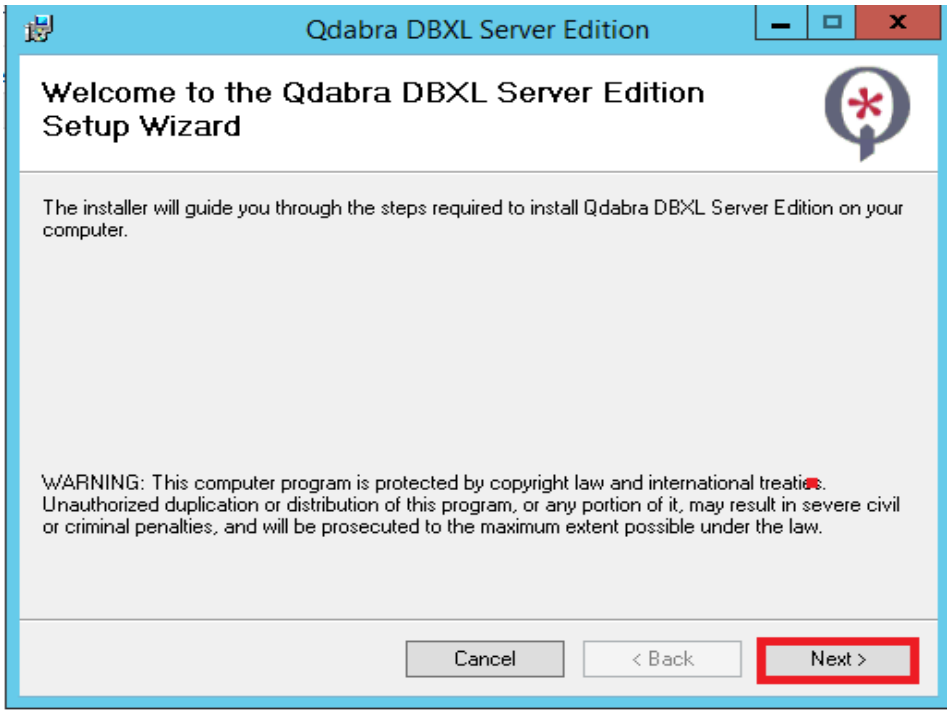
- **Disable** the *Anonymous Authentication* and **Enable** the *Windows Authentication.*



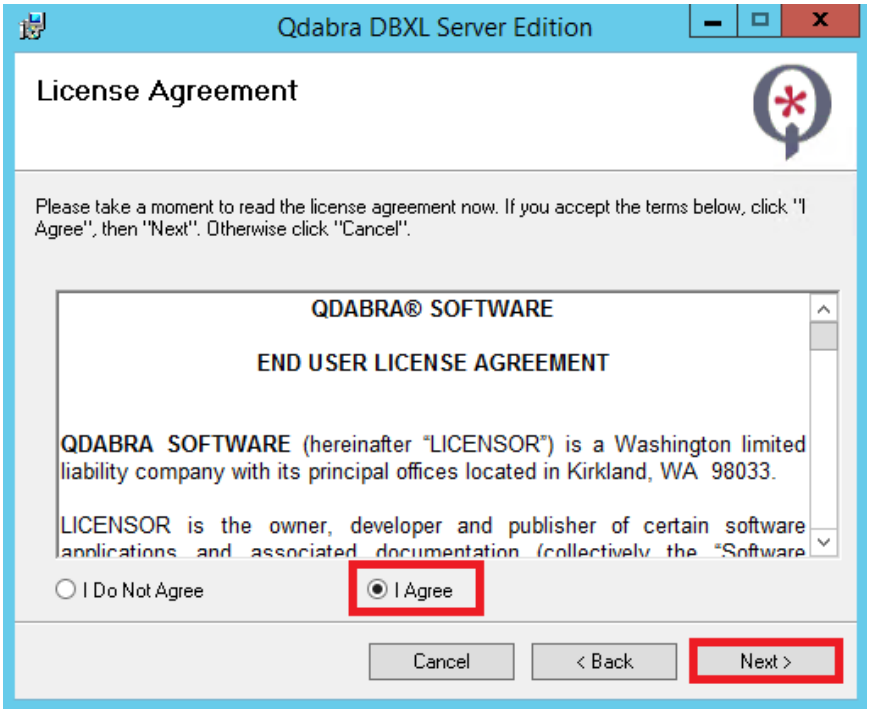
- Go to the location where you have saved the DBXL v3.0 installation package named ***Qdabra DBXL Server Edition .NET4.***
- Right-click on **setup** and *Run as Admin.*



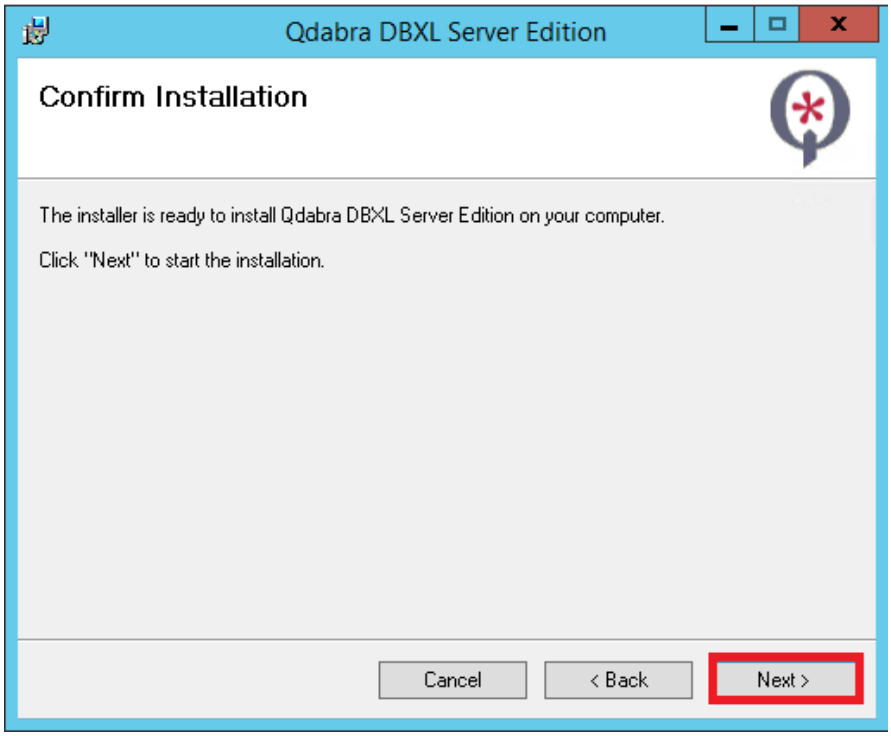
- *Qdabra DBXL Server Edition* window appears. Click **Next.**



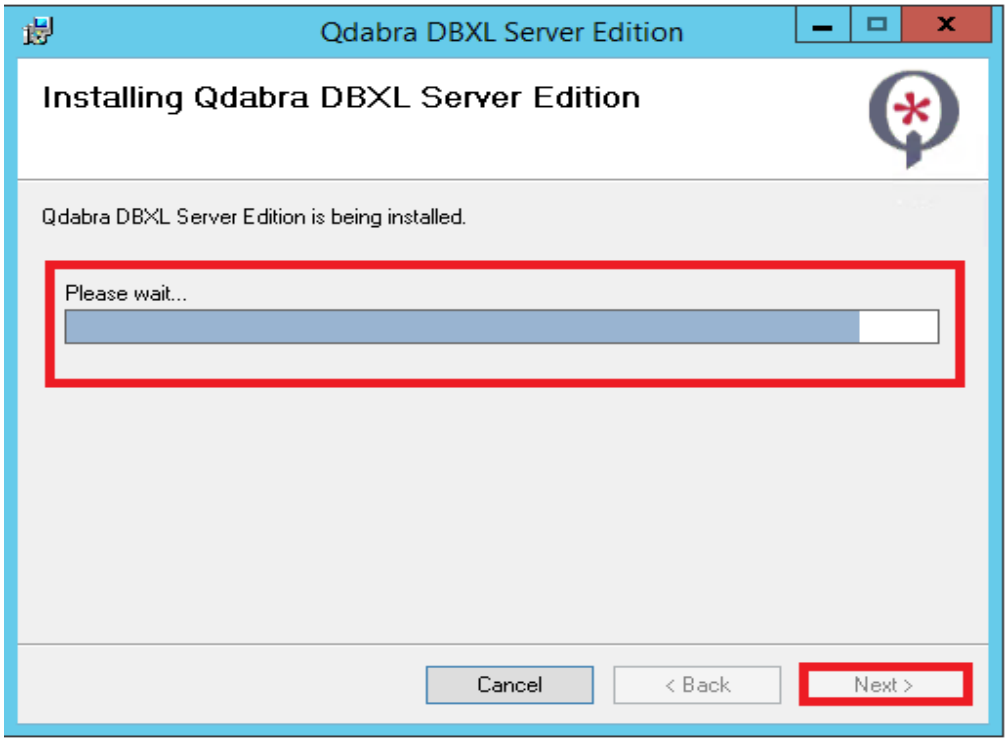
- Select ***'I Agree'*** on License Agreement and click **Next.**



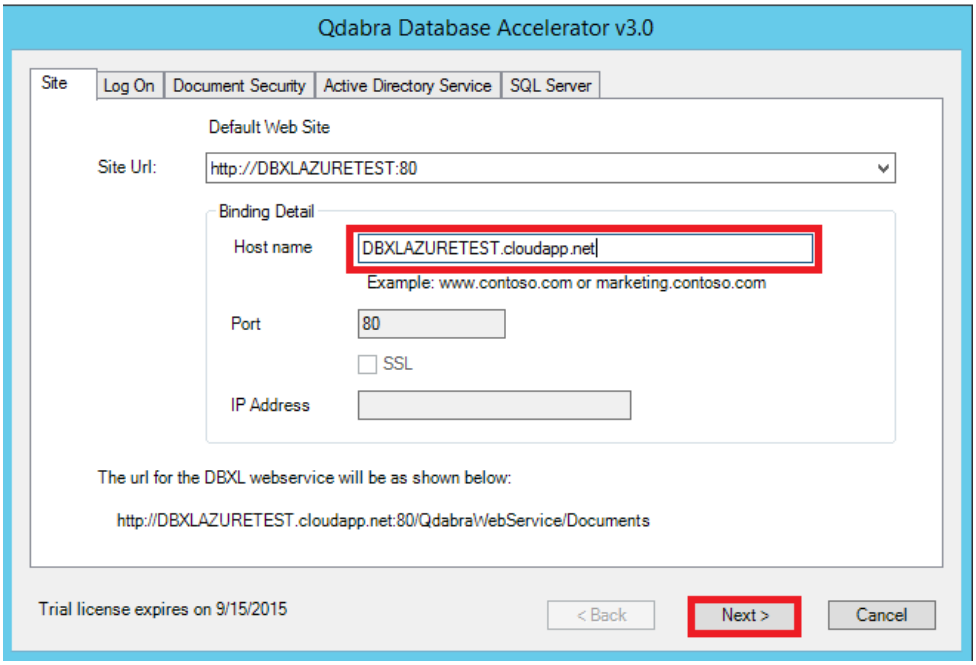
- Click **Next** on *Confirm Installation* window.



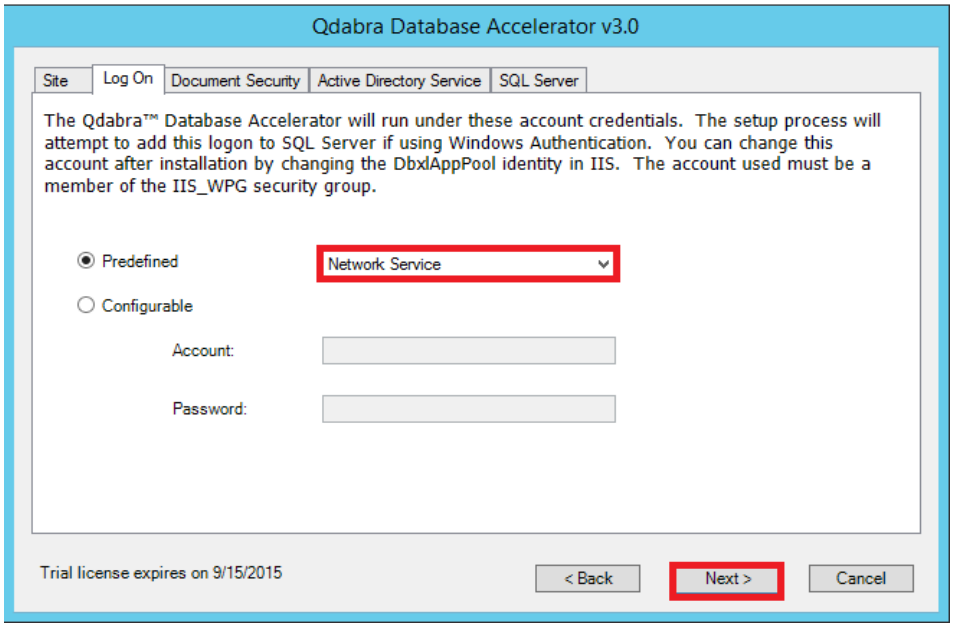
- A progress bar shows the *Qdabra DBXL Server Edition* installation.



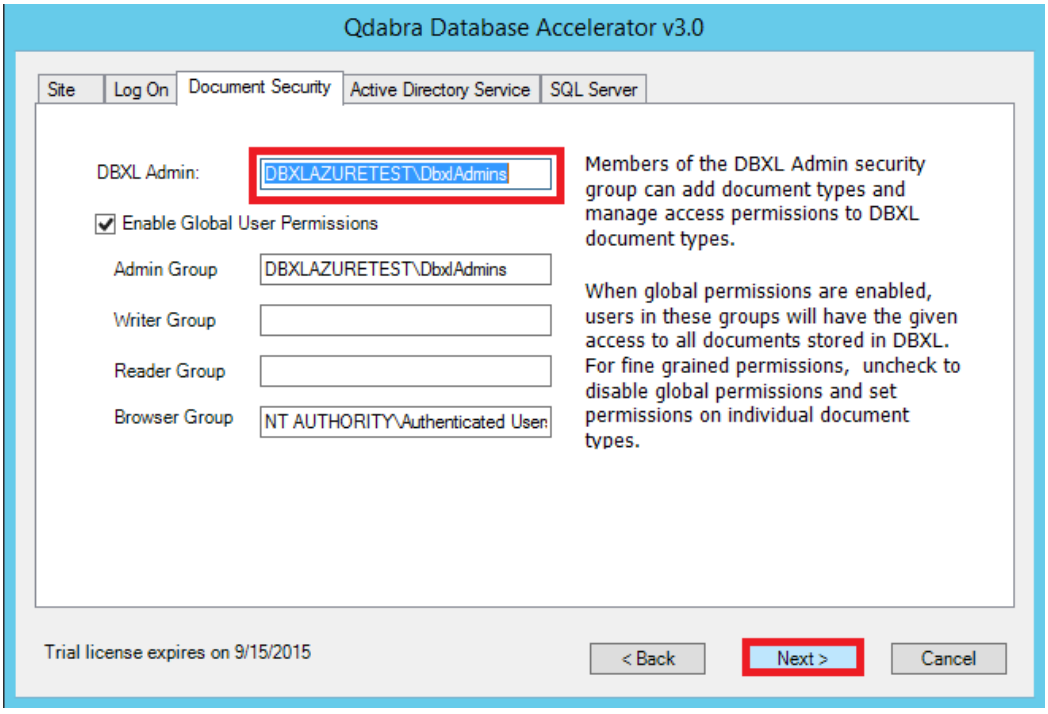
- On the *Qdabra Database Accelerator v3.0* window, for **Site**:
  - ***Site URL*** - Enter your Site URL
  - ***HostName*** – Enter fully qualified host name (Add **.cloudapp.net** in the end of your Host name)
  - ***Port*** - 80



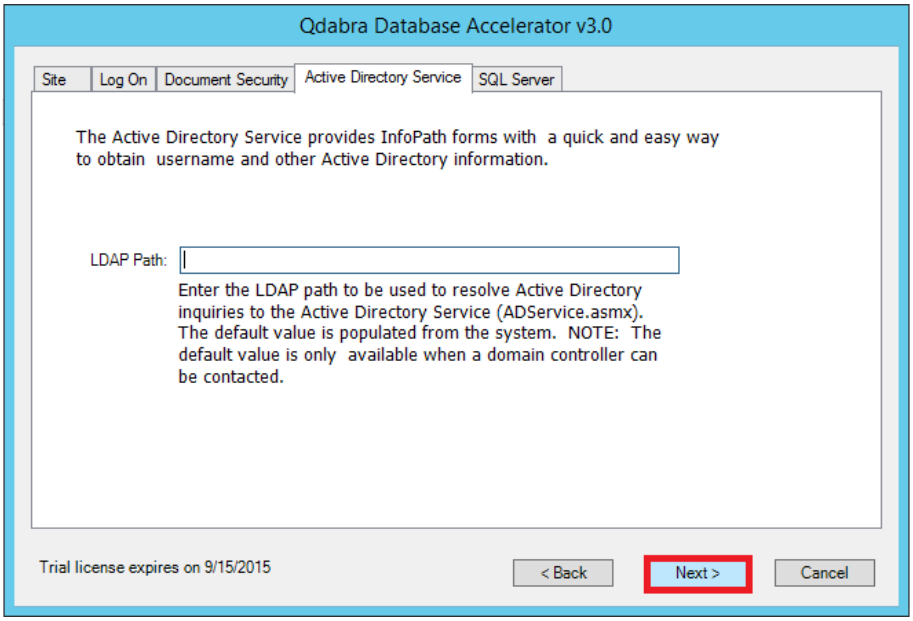
- Click **Next.**
- For **Log On:**
  - ***Predefined*** **:** Select **Network Service** from the dropdown.
- Click **Next.**



- For **Document Security:**
  DBXL Admin**:** Enter **Dbxl Admin** name
- Click **Next.**



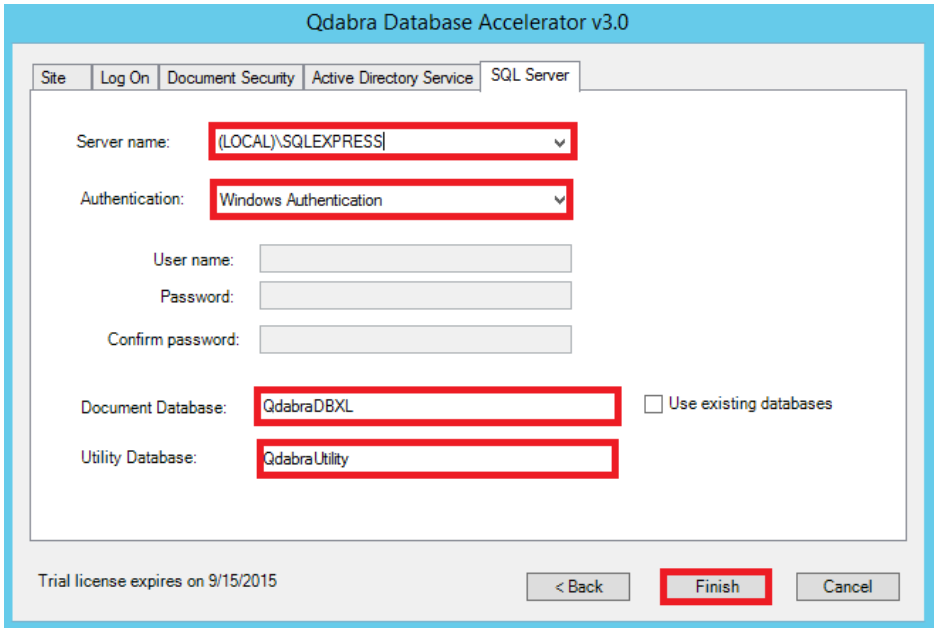
- For the **Active Directory Service,** leave the ***LDAP Path*** blank. Click **Next.**



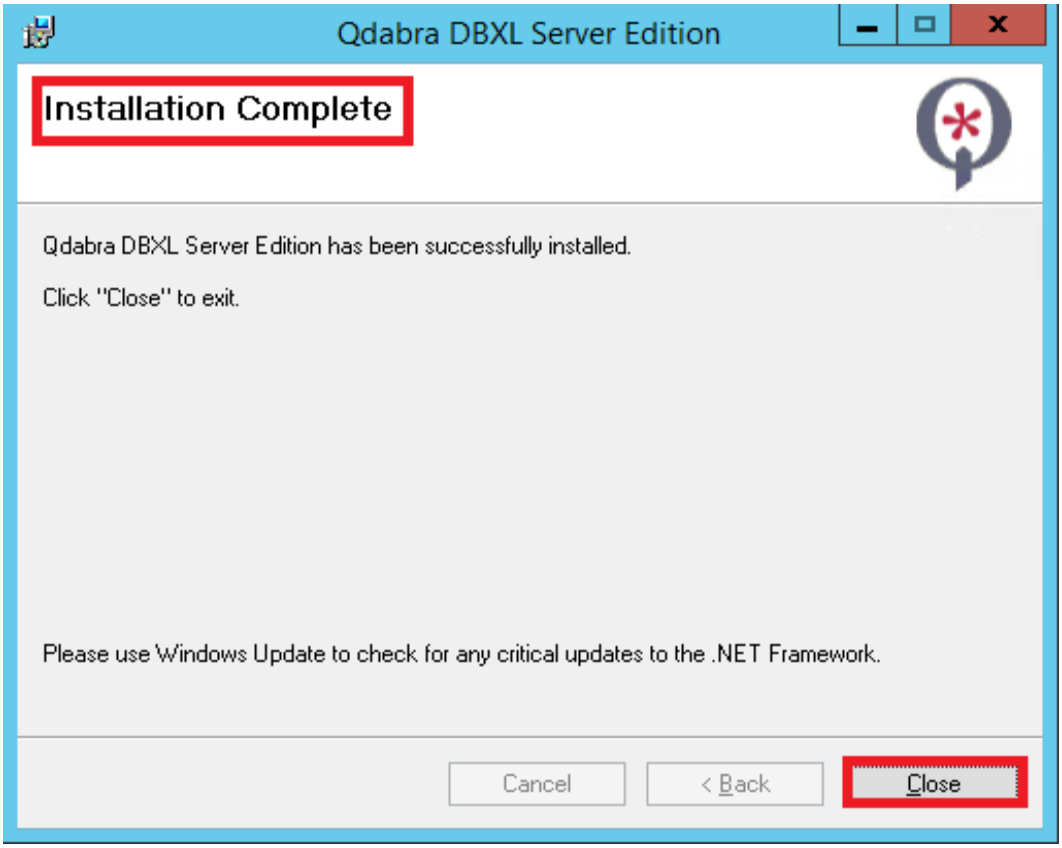
- For **SQL Server:**
  - ***Server name*** – Enter the SQL server name (eg. *(LOCAL)SQLEXPRESS*)
  - ***Authentication –*** Select ***Windows Authentication*** from the drop-down.
  - ***Document Database*** – QdabraDBXL
  - ***Utility Database*** – QdabraUtility

Note: If an existing database already exists, select the check-box for *"Use existing Databases"*

- Click **Finish.**

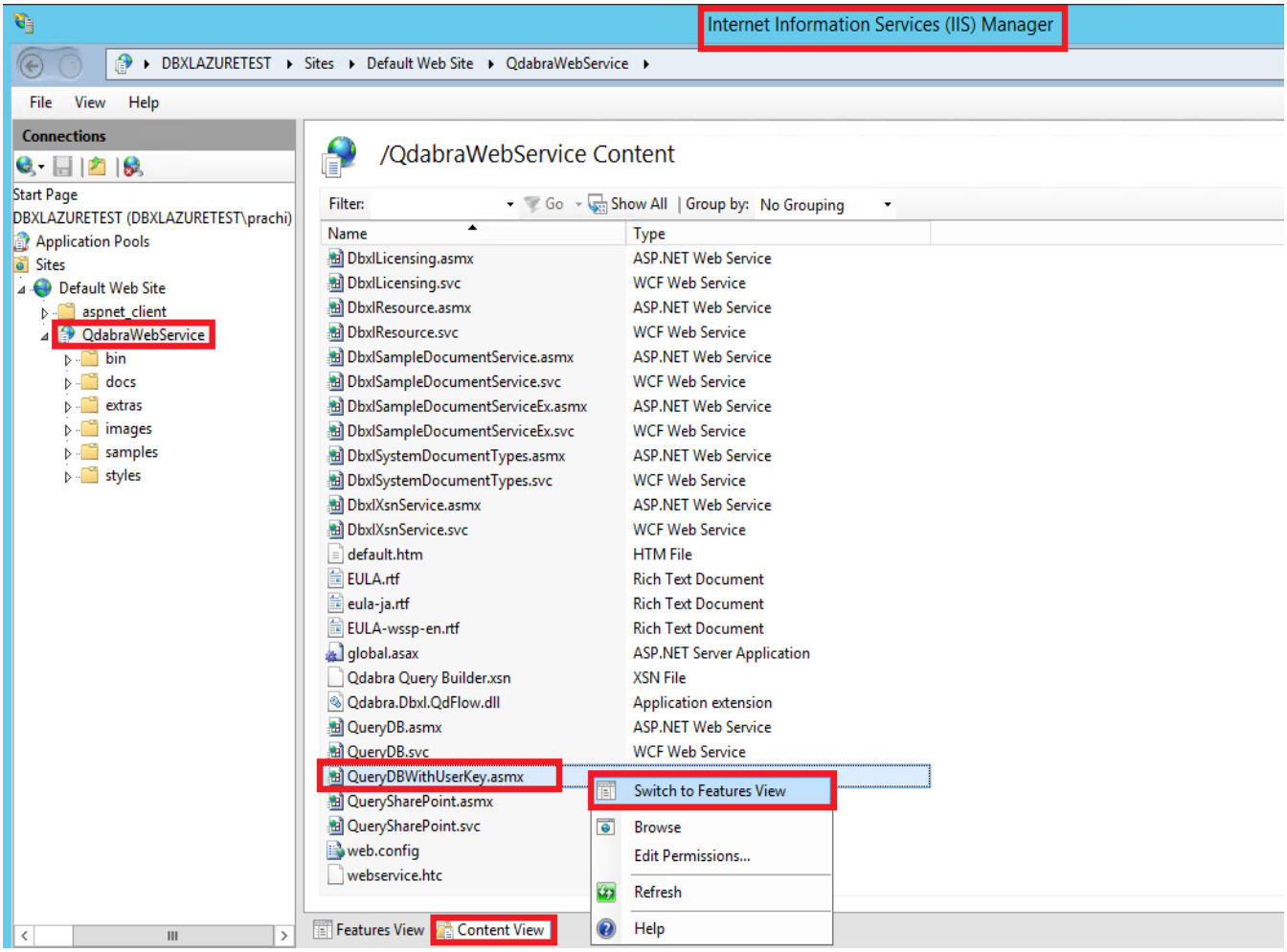


- When the installation is complete successfully, **Close** the ***Qdabra DBXL Server Edition*** window.

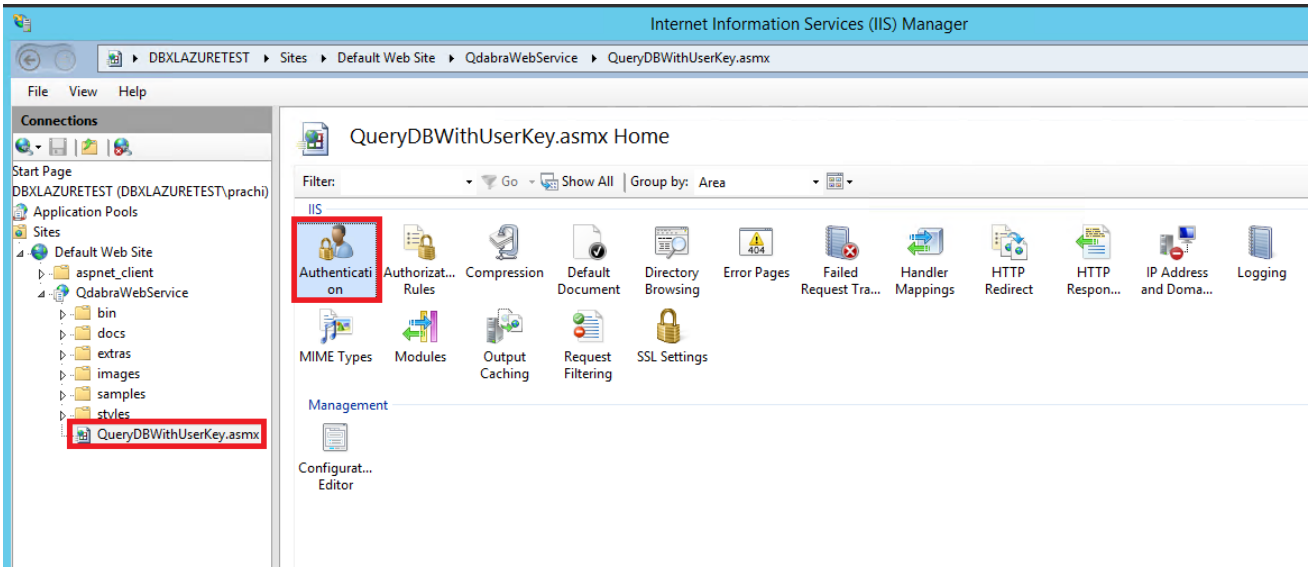


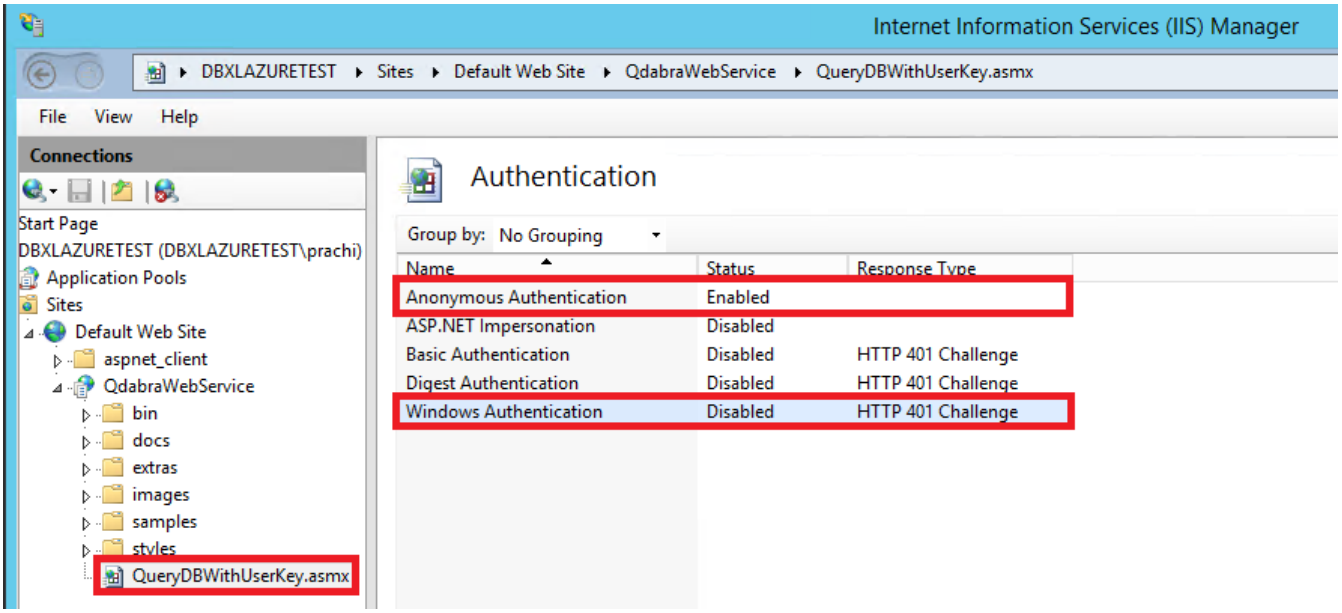
CONFIGURE QUERYDBWITHUSERKEY SERVICE

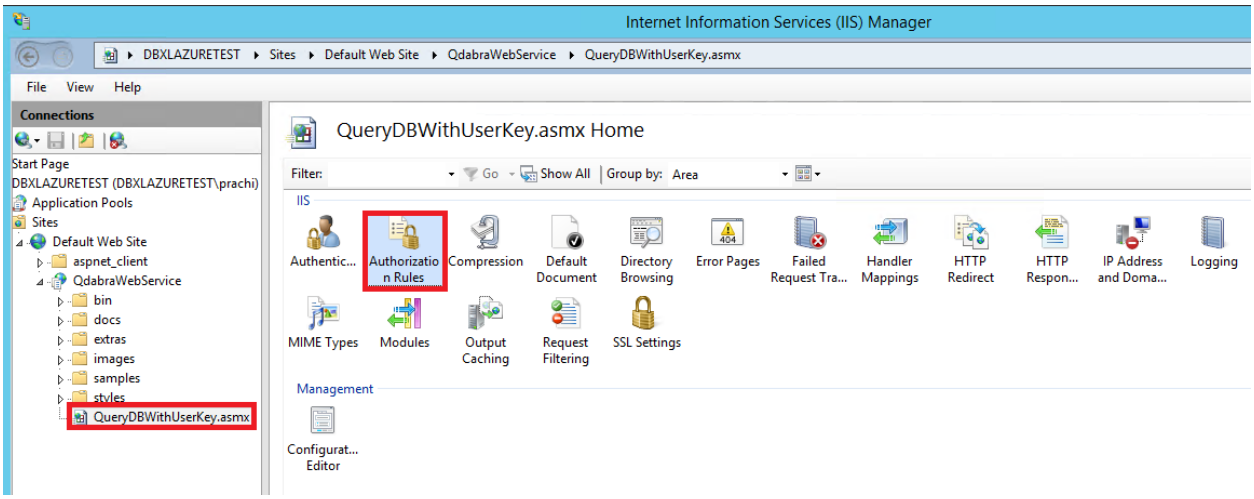
- Open the **IIS manager** and expand Sites. Expand **Default Web Service** and select Qdabra Web Service.
- Click on the **Content View** tab at the bottom.
- Scroll-down till you find ***QueryDBWithUserKey.asmx.*** Right-click on that and select "*Switch to Feature View*".

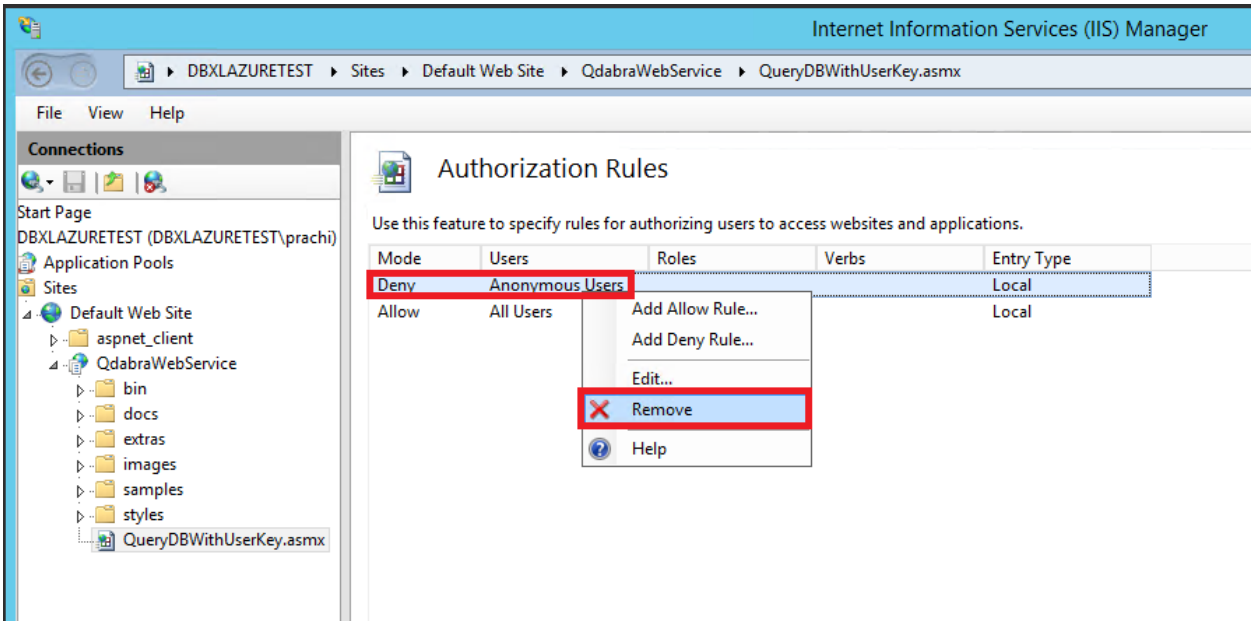


- Double-click on **Authentication**

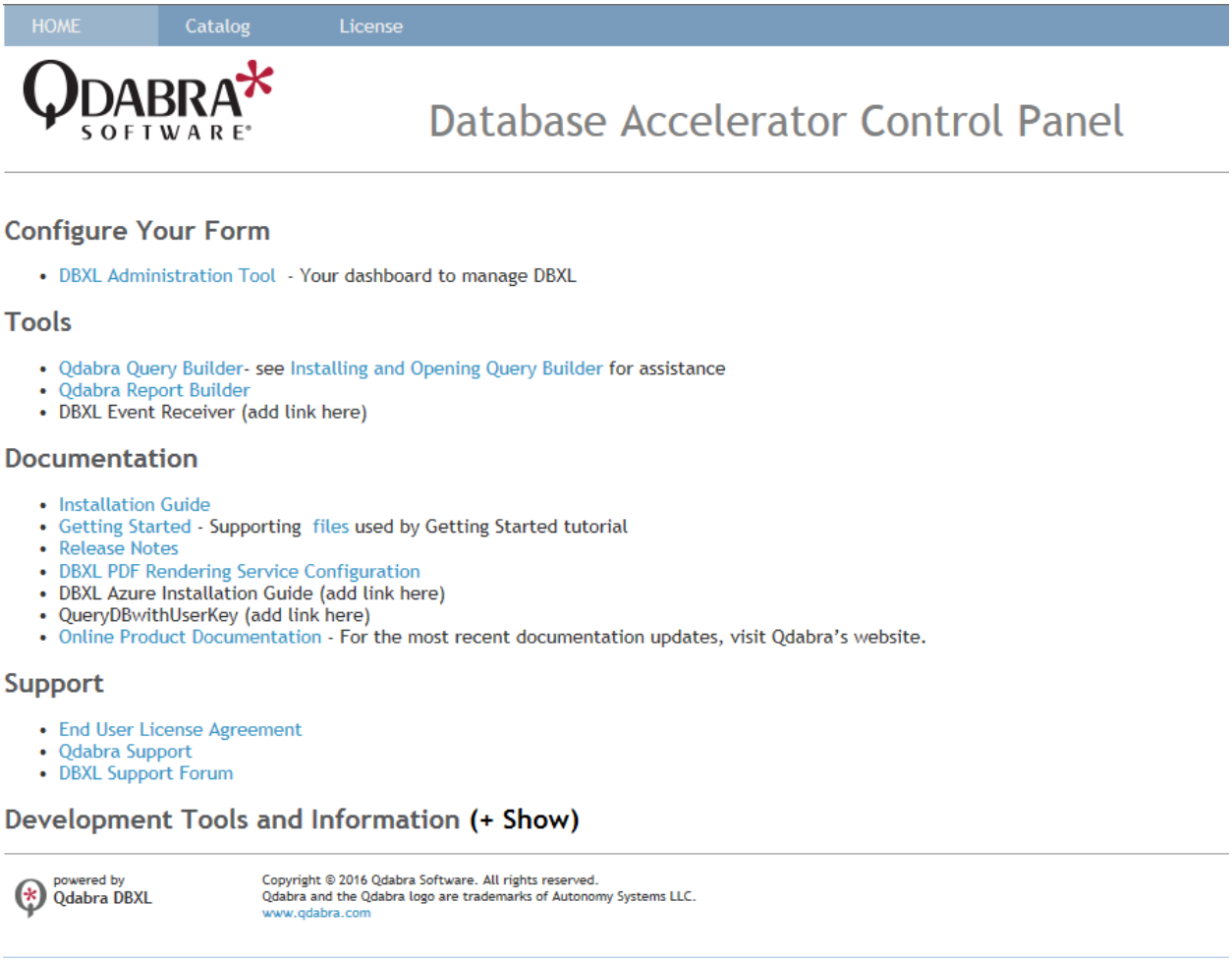




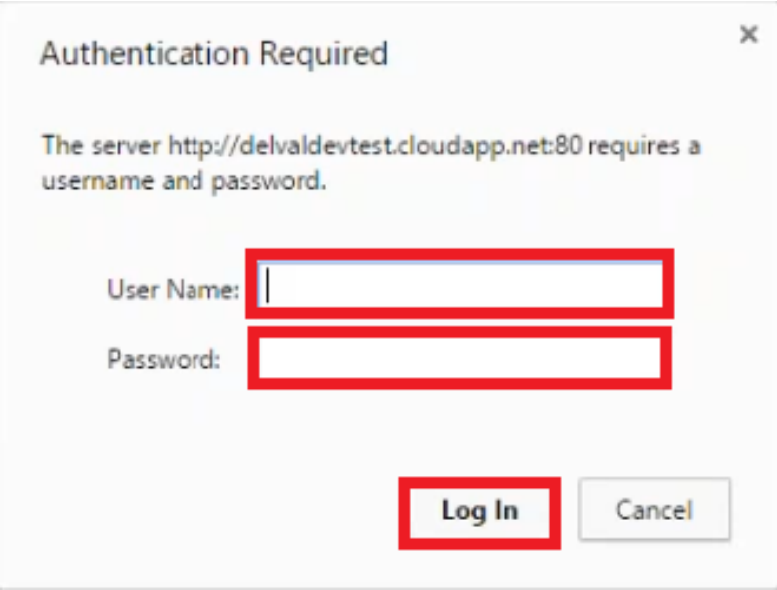




- To check if QueryDBWithUserKey.asmx is configured correctly, open Internet Explorer (IE).
- Enter the URL for the Qdabra Web service:
  Syntax: http://<YourVirtualMachine>/QdabraWebService
  Eg: http://dbxlazure.cloudapp.net/QdabraWebService
- If you do not get a prompt for credentials and the **DBXL Admin** page opens up, that means that the ***QueryDBWithUserKey*** service is configured as intended.

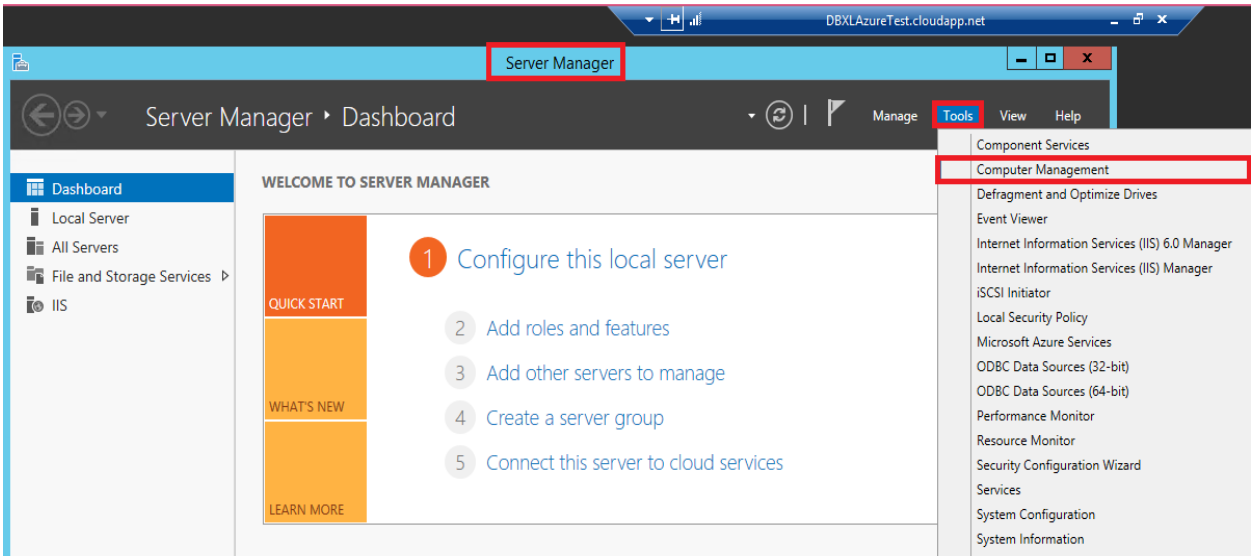


- You can use this URL whenever you are calling with the *Anonymous* connection by passing the key from Office 365.
- If you want to access the **Qdabra Web Service** without the ***QueryDBWithUserKey.asmx*** service from your desktop, you will be prompted for your credentials.

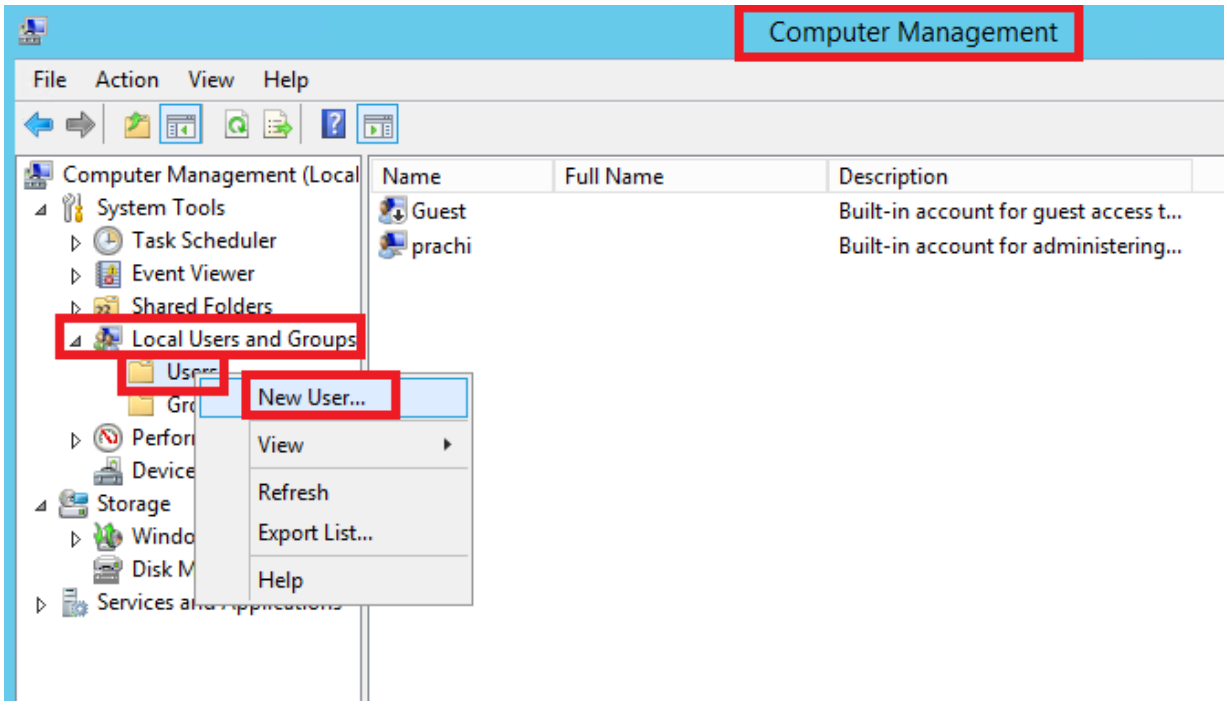


ADD A USER ACCOUNT

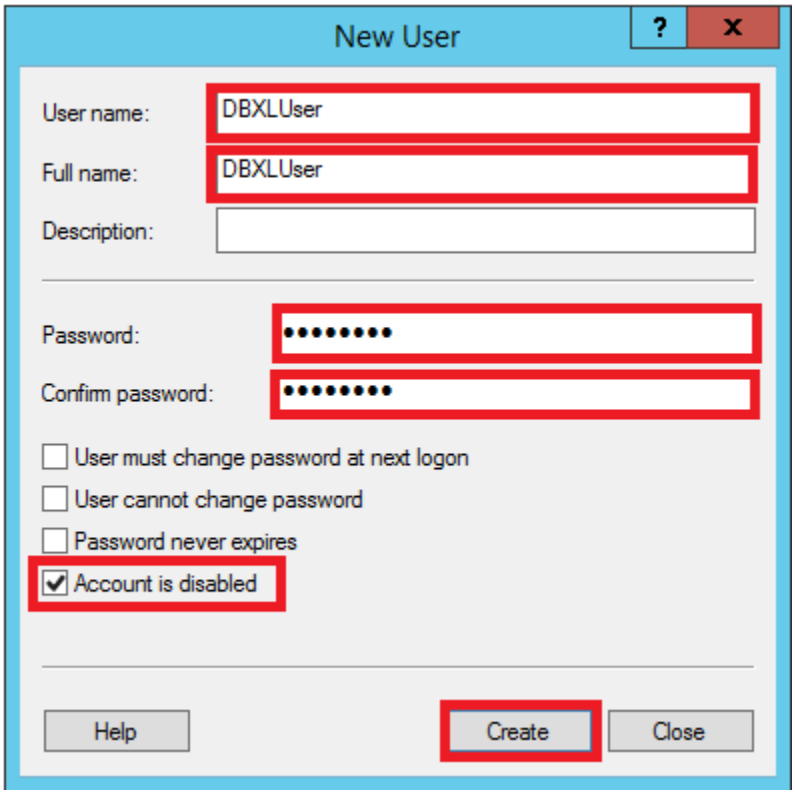
- Go to your server to create a new User Account.
- Open **Server Manager**. Click on ***Tools*** and select *Computer Management.*



- On the *Computer Management* window, expand the "***Local Users and Group"***.
- Right-click on **Users** and select ***New User.***



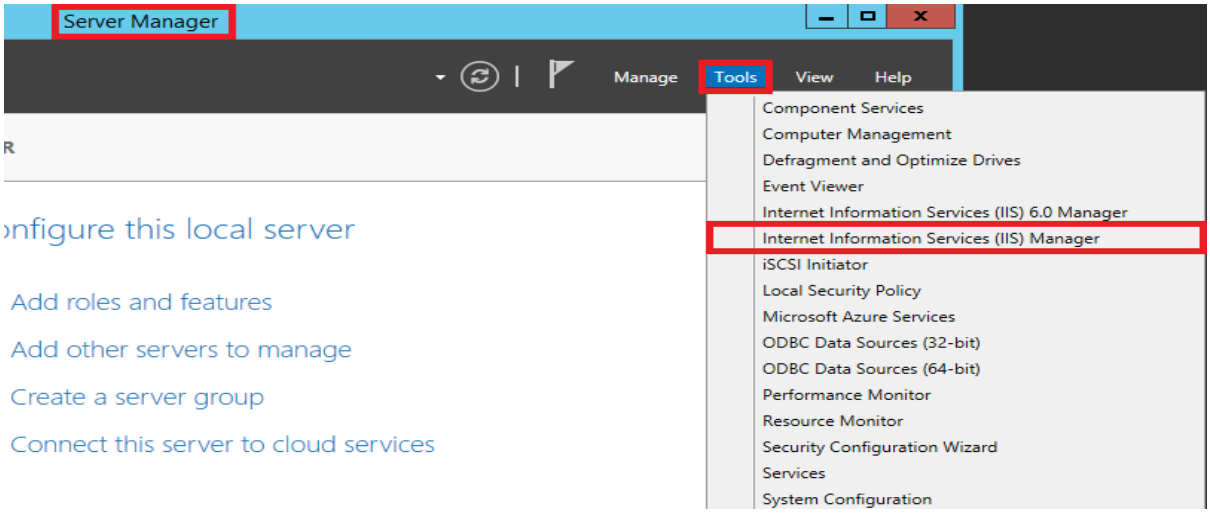
- On the **New User** window:
  User name- Enter User name for the shared user account (eg. DBXLUser)
  Full name- Enter name. This can be same as User name (eg. DBXLUser)
  Password- Give a password for this user account
- Click **Create**. Click **Close** on the next window.



- A new User Account is created.

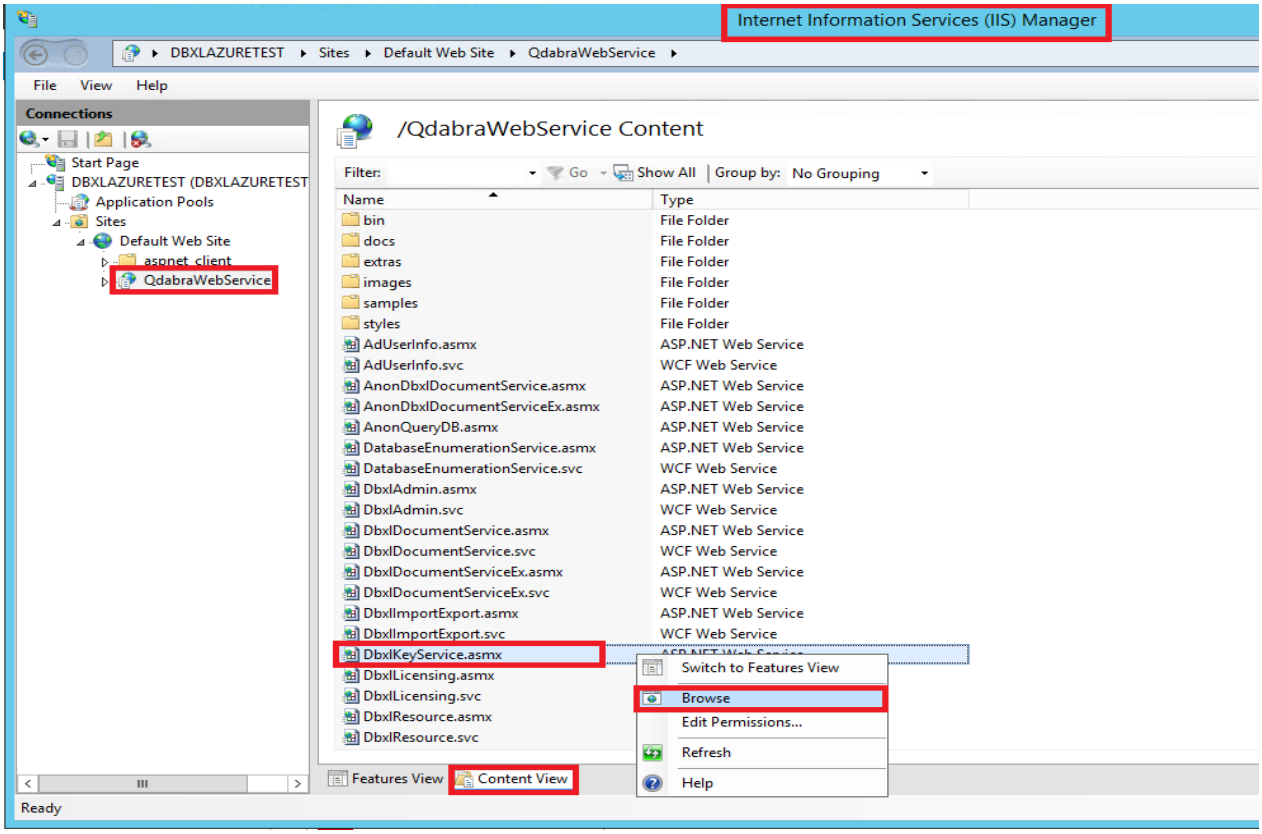
GENERATE A KEY FOR THE NEW USER ACCOUNT

- Open **Server Manager** from your Server system. Go to ***Tools*** and select **IIS Manager.**

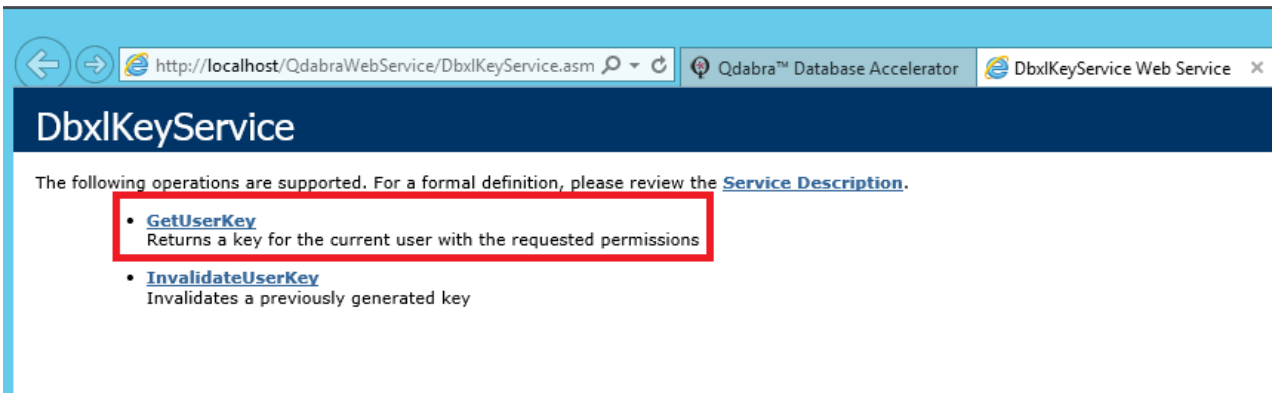


- On the **IIS**, expand the *Server name*, expand *Sites*, expand *Default Web Service* and select **Qdabra Web Service**.
- Click on the ***Content View*** tab at the bottom and look for the ***DBXLKeyService.asmx***

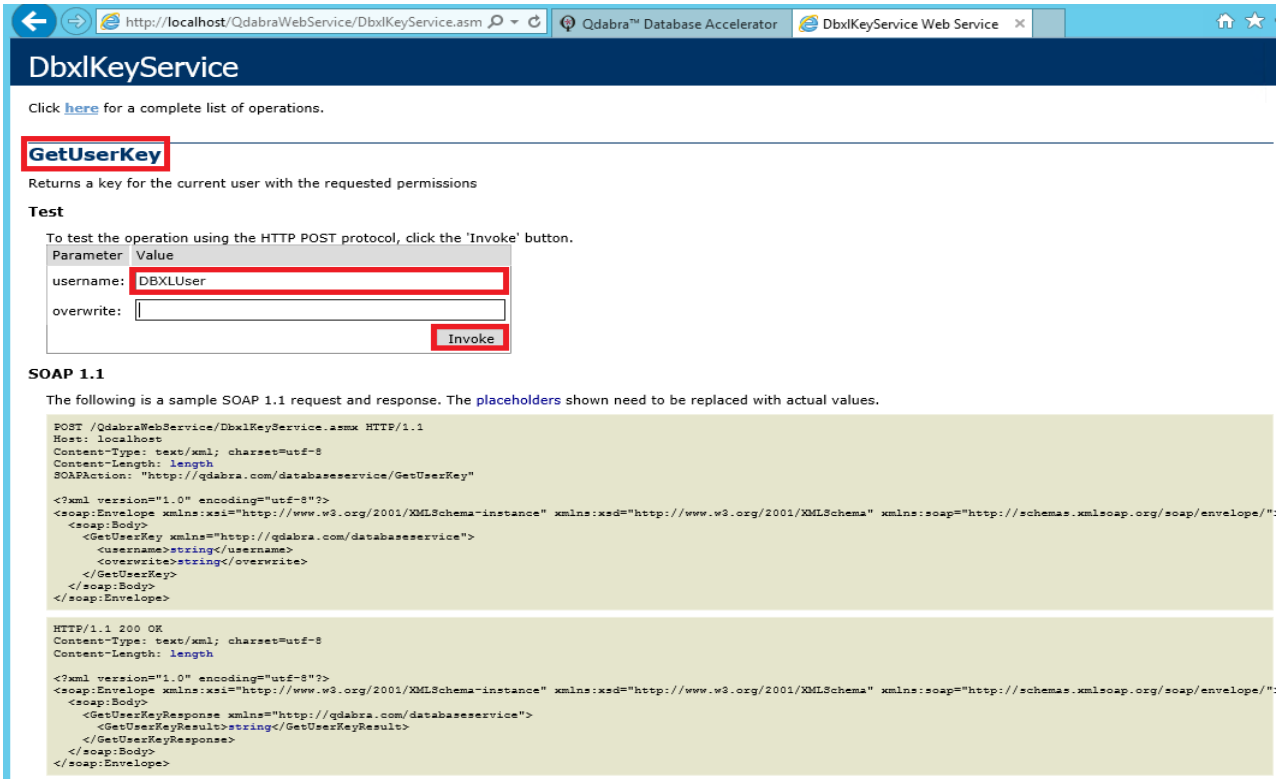
- Right-click on ***DBXLKeyService.asmx*** and select **Browse.**



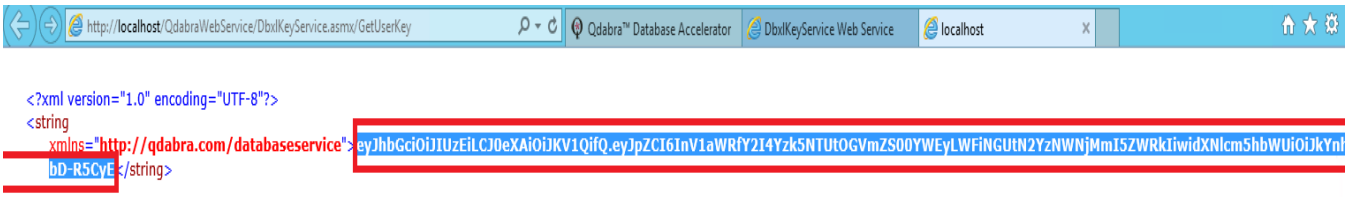
- ***DbxlKeyService*** opens up in the browser. Click on **GetUserKey.**



- To generate a user key for the new user account, enter the **Username** of the new user that you created in the "*Adding a User Account"* section.
- Click on **Invoke** button.

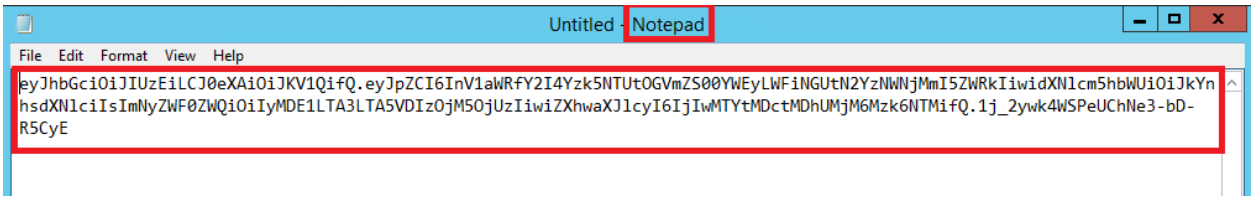


- This will generate a **Key**



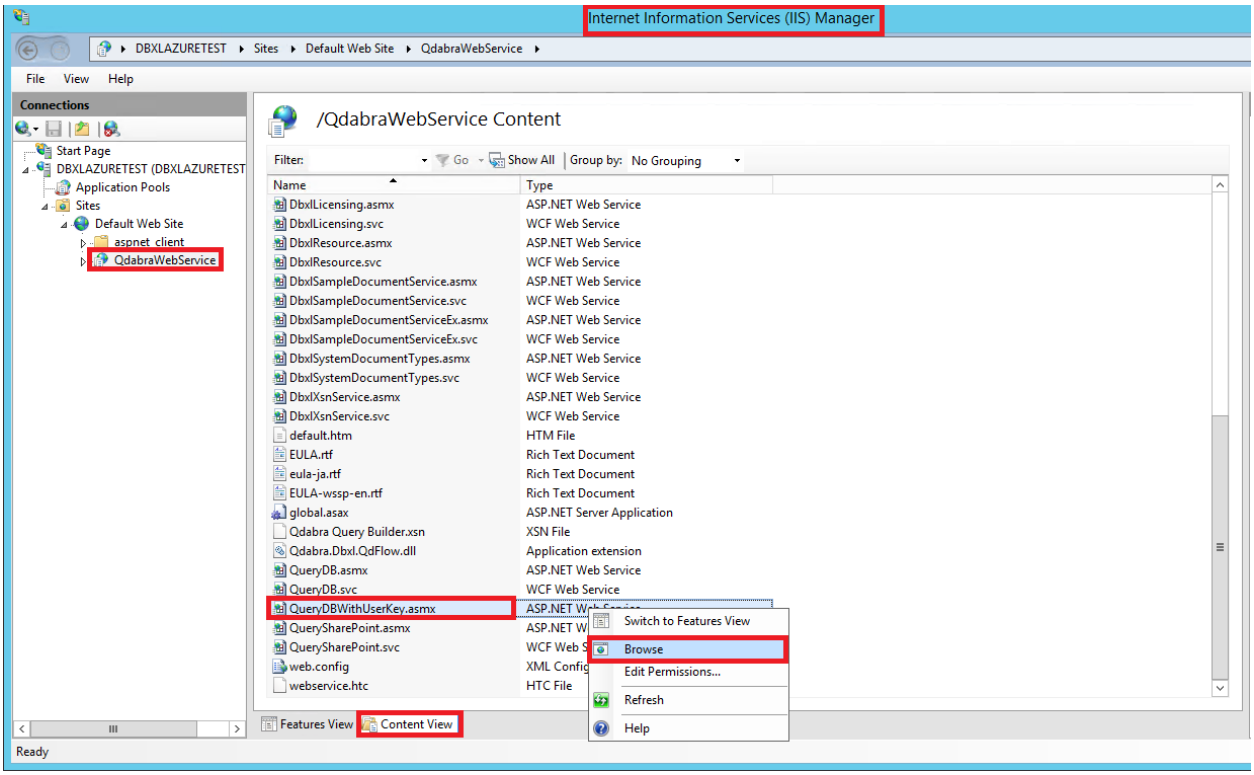
- Copy the Key value and paste it on a *Notepad* window.

Note: *You will need the key later, to verify that this Key can be used to query the database.*

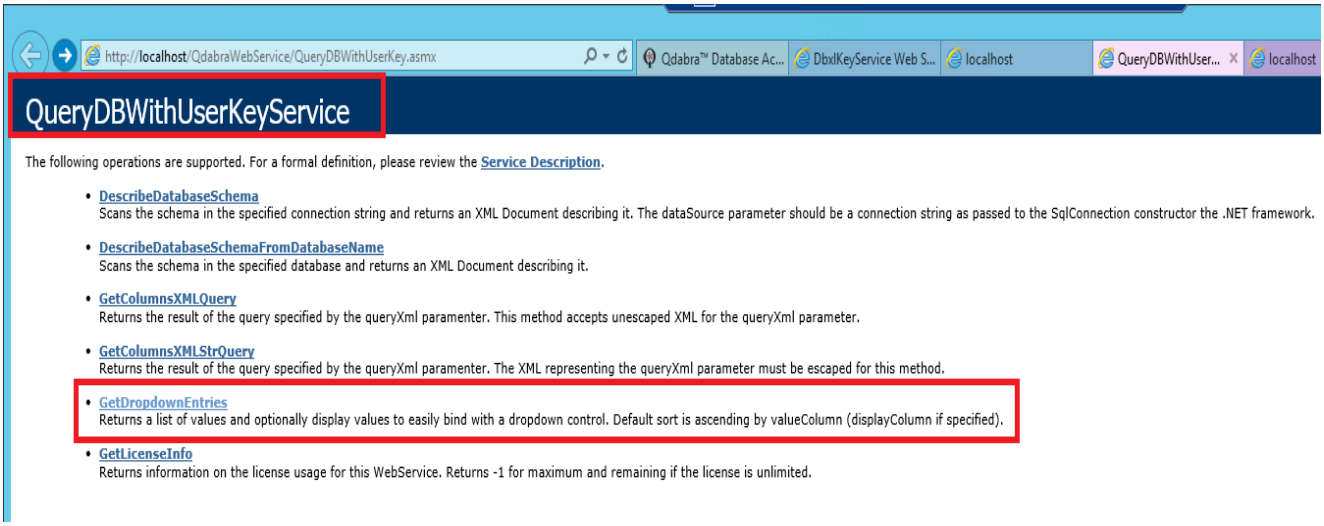


USING *QUERYDBWITHUSERKEY.ASMX* SERVICE

- Open **IIS Manager** and select ***Qdabra Web Service***. Click on *Content View* tab.
- Look for ***QueryDBWithUserKey.asmx*** and right-click on it. Select **Browse**.



- **QueryDBWithUserKeyService** opens up. Select ***GetDropdownEntries.***



- For **GetDropdownEntries**,
  Key – Paste the key value that you copied on the Notepad earlier
  Database – Enter "***#dbxldb#***"
  Table – Enter "***document***"
  ValueColumn – Enter "***docId***"
- Click **Invoke.**

GetDropdownEntries

Returns a list of values and optionally display values to easily bind with a dropdown control. Default sort is ascending by valueColumn (displayColumn if specified).

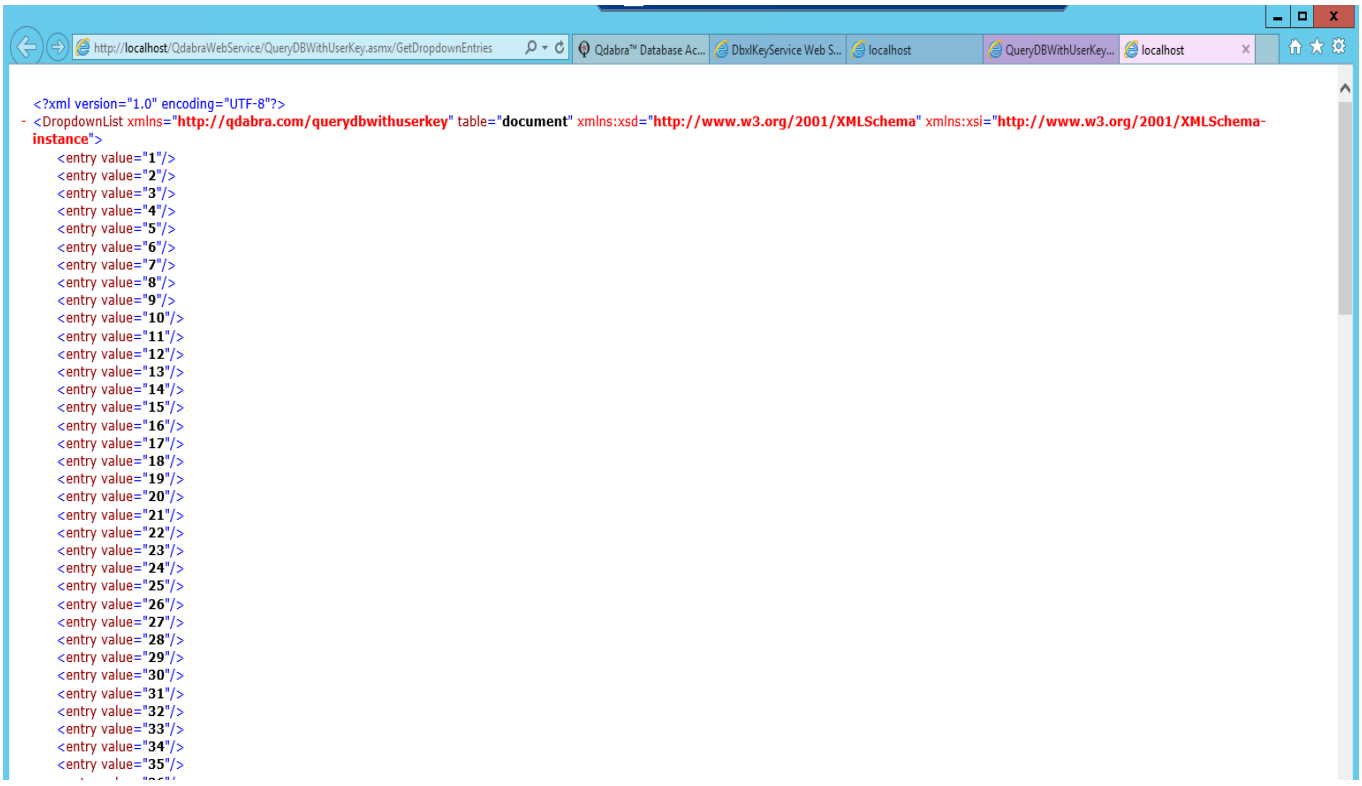
Test

To test the operation using the HTTP POST protocol, click the 'Invoke' button.

Parameter	Value
key:	IMjM6Mzk6NTMifQ.1j_2ywk4WSPeUChNe3-bD-R5CyE
database:	#dbxldb#
table:	document
valueColumn:	docId
displayColumn:	
sortColumn:	
sortOrder:	
filterXml:	

Invoke

- If the ***DropdownList*** entries get generated, it means that the ***QueryDBWithUserKey.asmx*** service is working as intended.



- The installation is completed now. All you need to do is to create the table on ***Microsoft SQL Server Management Studio.***

CONTACT INFORMATION

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