



# Active Directory Recovery IIS and SQL Configuration Guide

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Software version 3.0



General Information: [info@cionsystems.com](mailto:info@cionsystems.com)

Online Support: [support@cionsystems.com](mailto:support@cionsystems.com)

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**CionSystems Inc.**

**6640 185<sup>th</sup> Ave NE**

**Redmond, WA-98052, USA**

**<http://www.CionSystems.com>**

**Ph: +1.425.605.5325**

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## Basic Requirements to Install Active Directory Recovery

**Webserver (IIS)**→Webserver(IIS) provides a reliable ,manageble and scalable webapplication Infrastructure

**Common HTTP Features** -→Common HTTP Features supports basic HTTP Functionality such as delivering standard file formats and configure custom server properties

**Management tools** → Management tools provide infrastructure to manage a webserver that runs IIS 7

**IIS6 Management compatibility**→IIS 6 Management compatibility provides forward compatibility for Your applications and scripts that use two IIS APIs, Admin Base object

**IIS 6 Meta base compatibility** → IIS6Matabase Compatibility provides infrastructure to query and configure the metabase so that you can run application and scripts migrated from earlier versions of IIS that use Admin Base Object and Active Directory Service Interface (ADSI)

**IIS 6 WMI Compatibility**→IIS6 WMI Compatibility provides Windows Management Instrumentation (WMI) Scripting Interfaces to programmatically manage and automate tasks for IIS 7.0 Webserver. From a set of scripts that you created in the WMIProvider, This service includes the WMI CIM Studio, WMI Event Registration, WMIEventviewer and WMI Object Browser tools to manage sites.

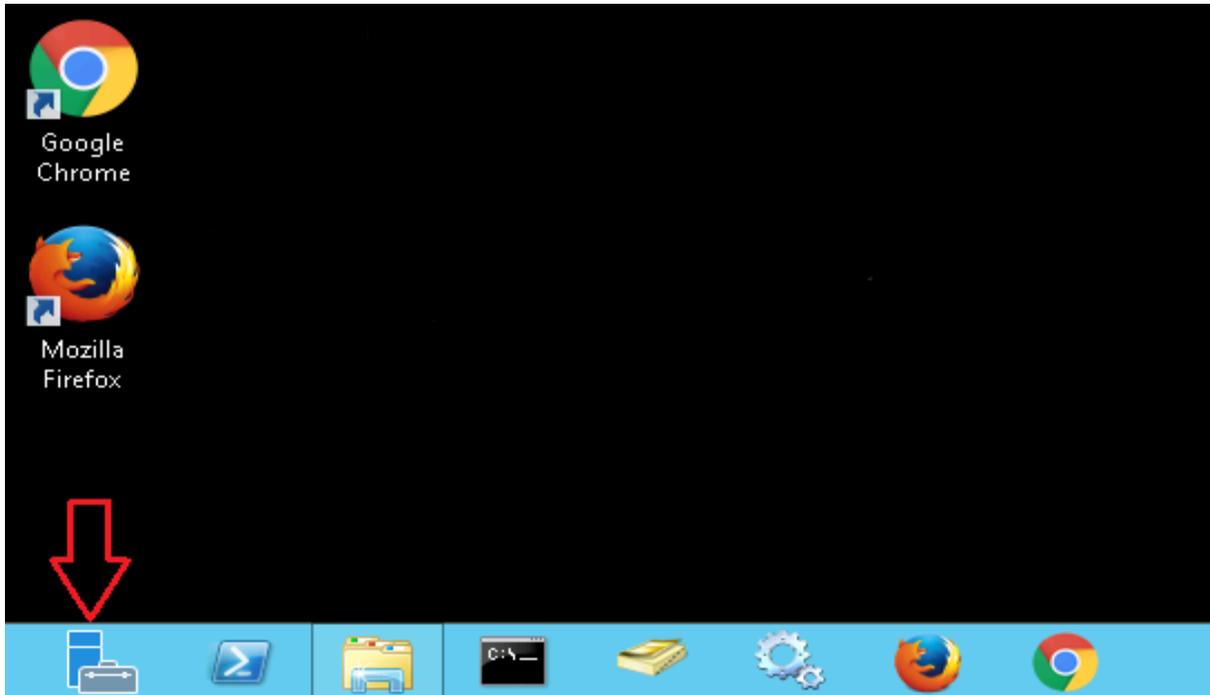
**IIS Management Console** → IIS Management Console Provides infrastructure to manage IIS7 by using a user interface .You can use the IIS Management console to manage a local or remote Webserver that runs IIS7.To Manager SMTP; you must install and use the IIS6 Management Console.

**ASP.NET**-->Provides a server side object oriented programming environment for building Websites and Web applications using managed code.

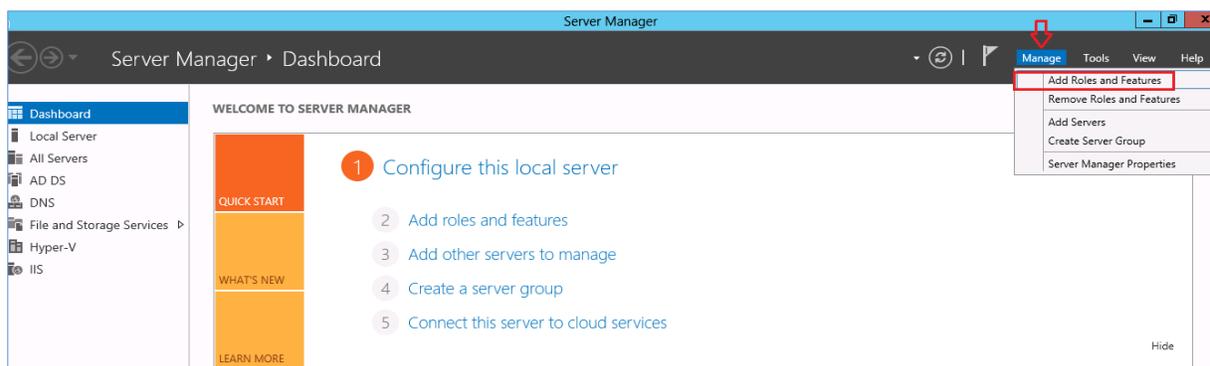
**The above Features are basic requirements to install Active Directory Recovery application in Windows Server 2008R2/Windows Server 2012 R2/Windows Server 2016 .Based on OS Versions some other roles and features need to be installed. Please find the below details for each Operating system**

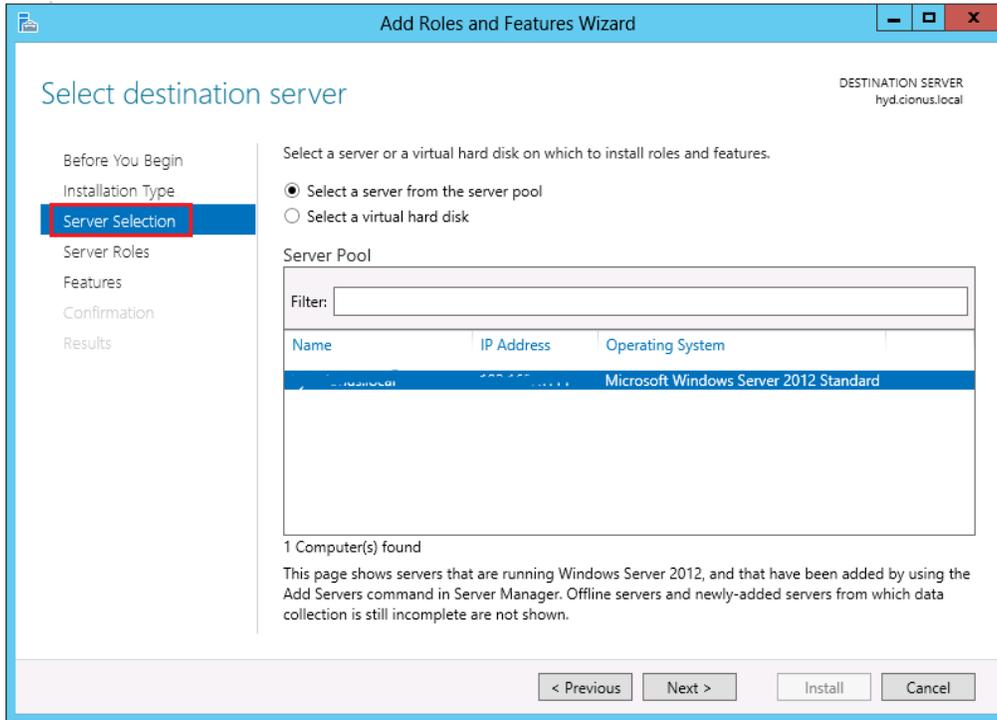
## IIS Configuration in Windows Server 2012 R2 and Windows 2016 Server

Before going to install Active Directory Recovery , Make sure you have installed the following roles and features in Server Manager

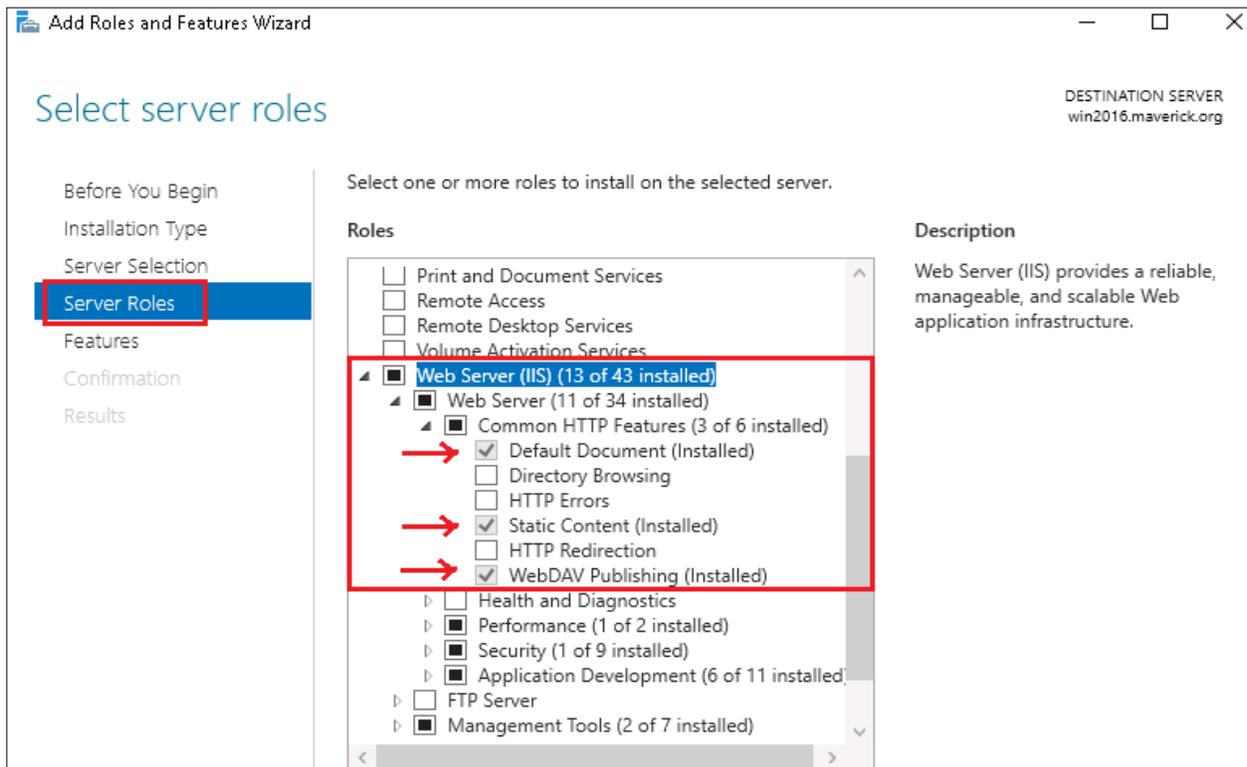


- Click “Server Manager” on task bar to open, if not available on task bar then click the **Start** button to open the start screen. In start screen you can see the Server Manager
- In Server Manager window, click **Manage** tab and select “**Add Roles and Features**”



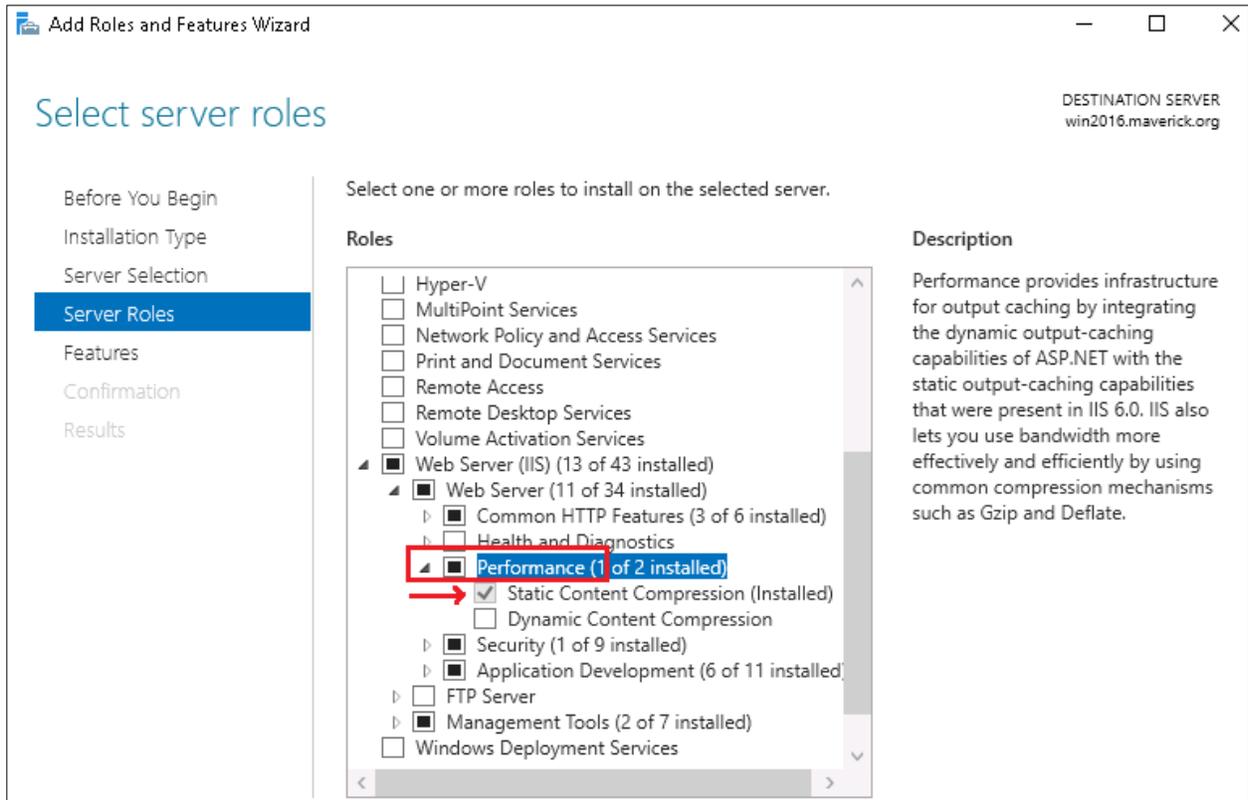


- Click **Server Selection**, click **Next**
- In Server Roles, configure the roles under **Web Server (IIS)** as shown below:
  1. Go to Web Server(IIS)→Web Server→ Common HTTP Features, now configure the roles shown in below figure.

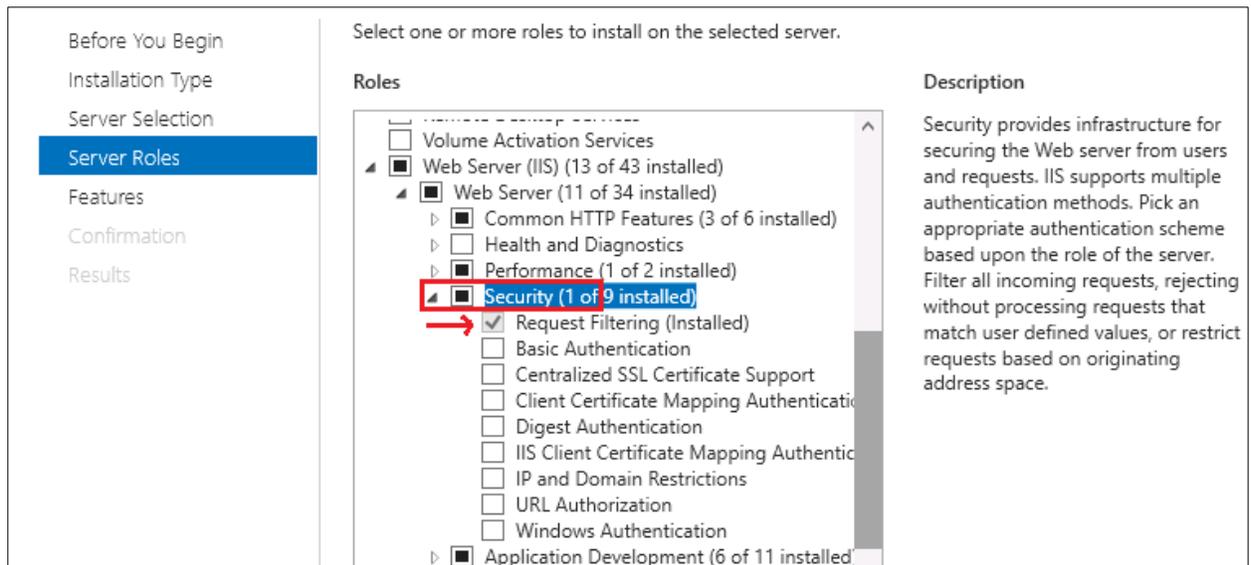


- *Default Document*
- *Static Content*
- *WebDAV Publishing*

2. Select **Performance**, configure **Static Content Compression** role.



3. Select **Security**, configure **Request Filtering** role.



4. Select **Application Development**, configure the below roles.

- *.Net Extensibility 3.5*
- *.Net Extensibility 4.6*
- *ASP.NET 3.5*
- *ASP.NET 4.6*
- *ISAPI Extensions*
- *ISAPI Filters*

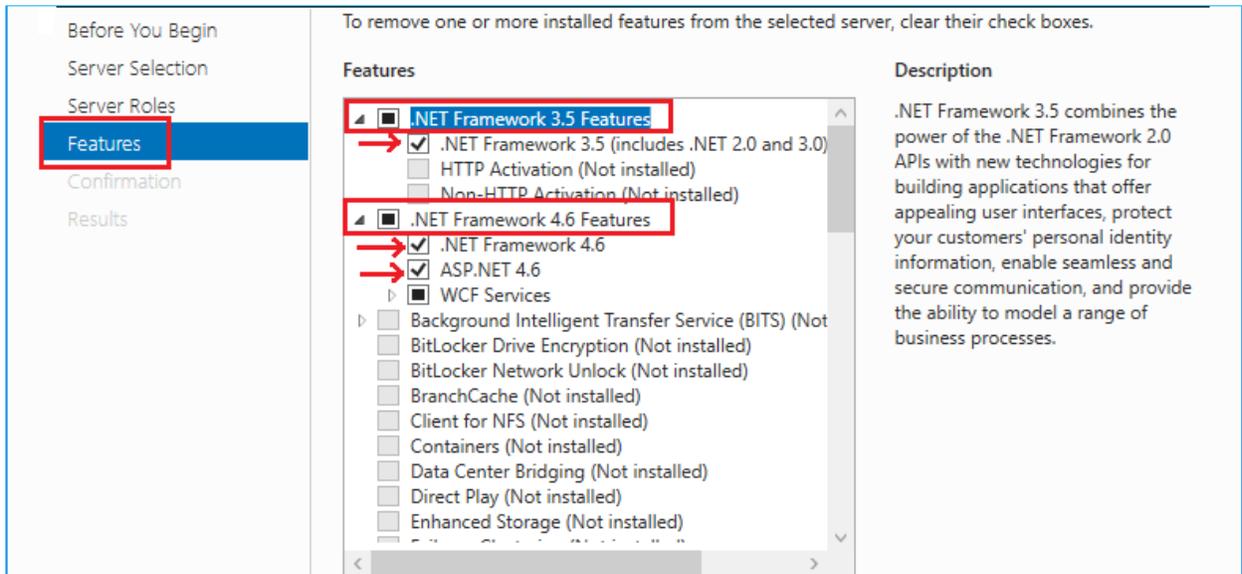
The screenshot shows the 'Server Roles' window in Windows Server. The 'Server Roles' tab is active. Under 'Web Server (IIS) (13 of 43 installed)', the 'Application Development (6 of 11 installed)' role is selected and highlighted with a red box. Red arrows point to the following sub-roles: '.NET Extensibility 3.5 (Installed)', '.NET Extensibility 4.6 (Installed)', 'ASP.NET 3.5 (Installed)', 'ASP.NET 4.6 (Installed)', 'ISAPI Extensions (Installed)', and 'ISAPI Filters (Installed)'. The 'Description' pane on the right states: 'Application Development provides infrastructure for developing and hosting Web applications. Use these features to create Web content or extend the functionality of IIS. These technologies typically provide a way to perform dynamic operations that result in the creation of HTML output, which IIS then sends to fulfill client requests.'

5. Go to Web Server(IIS)→ Management Tools →select **IIS Management Console**

6. Select **IIS 6 Management compatibility**; configure **IIS 6 Metabase compatibility** role.

The screenshot shows the 'Server Roles' window in Windows Server. The 'Server Roles' tab is active. Under 'Web Server (IIS) (13 of 43 installed)', the 'Management Tools (2 of 7 installed)' role is selected and highlighted with a red box. Red arrows point to the following sub-roles: 'IIS Management Console (Installed)' and 'IIS 6 Management Compatibility (1 of 4 installed)'. Under 'IIS 6 Management Compatibility', the 'IIS 6 Metabase Compatibility (Installed)' sub-role is also selected and highlighted with a red box. The 'Description' pane on the right states: 'IIS Management Console provides infrastructure to manage IIS 10 by using a user interface. You can use the IIS management console to manage a local or remote Web server that runs IIS 10. To manage SMTP, you must install and use the IIS 6 Management Console.'

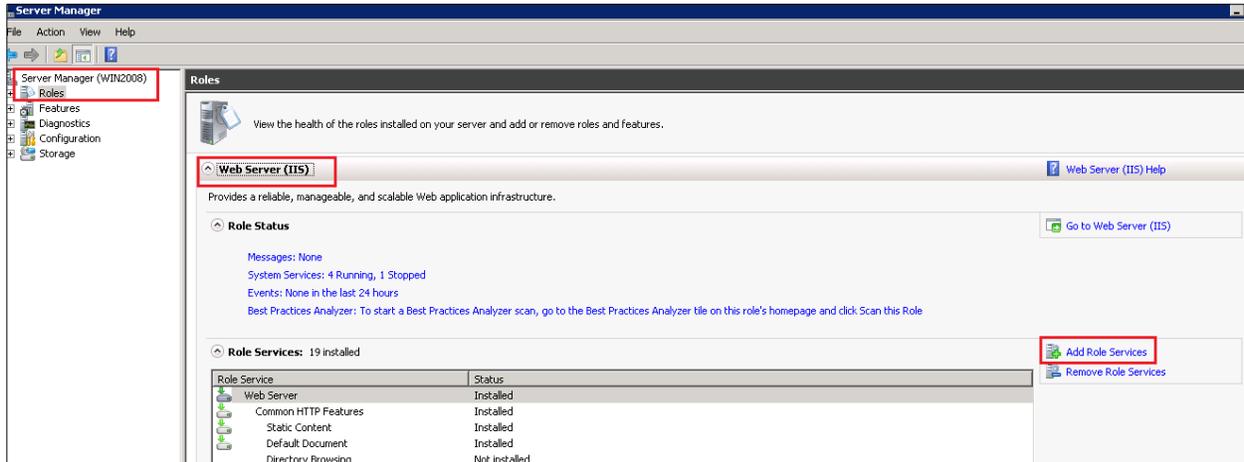
- Click **Next**
- In **Features**, make sure **.NET Framework 3.5 & 4.6** features are installed, if they were not installed configure them as shown below to install.



- Click **Install** button
- After installation completed, click **Close** button
- Restart the server to apply the changes

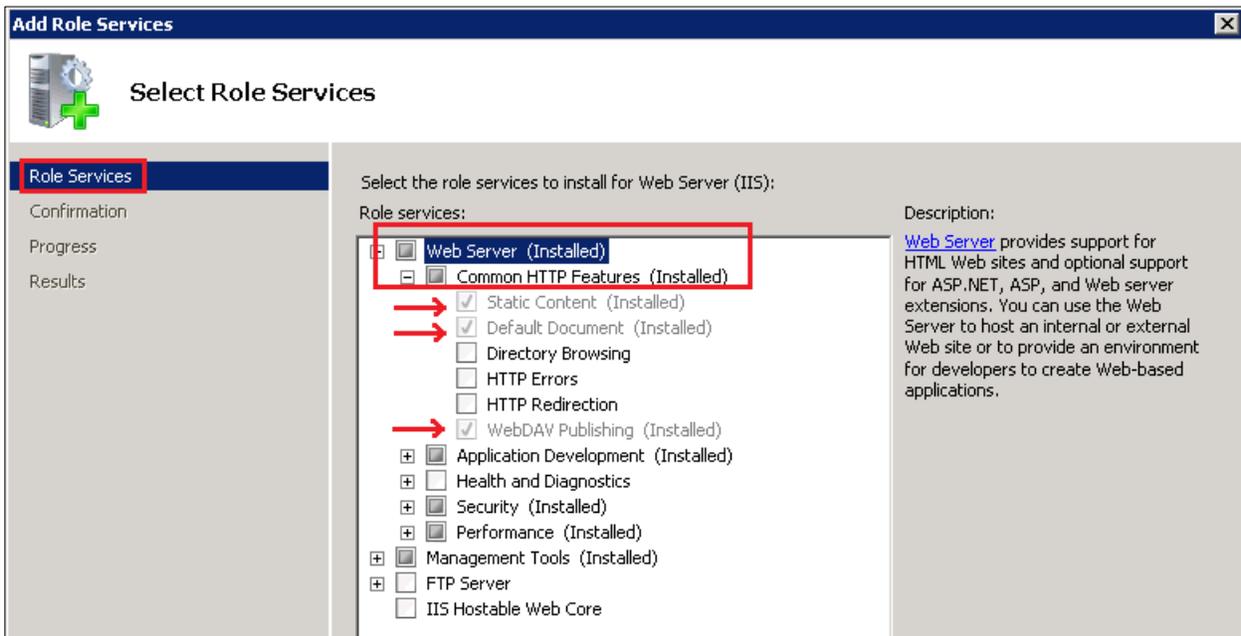
## IIS Configuration in Windows Server 2008 R2

Go to Server Manager → select Roles → explore Web Server (IIS) panel → Click on Add Role Services



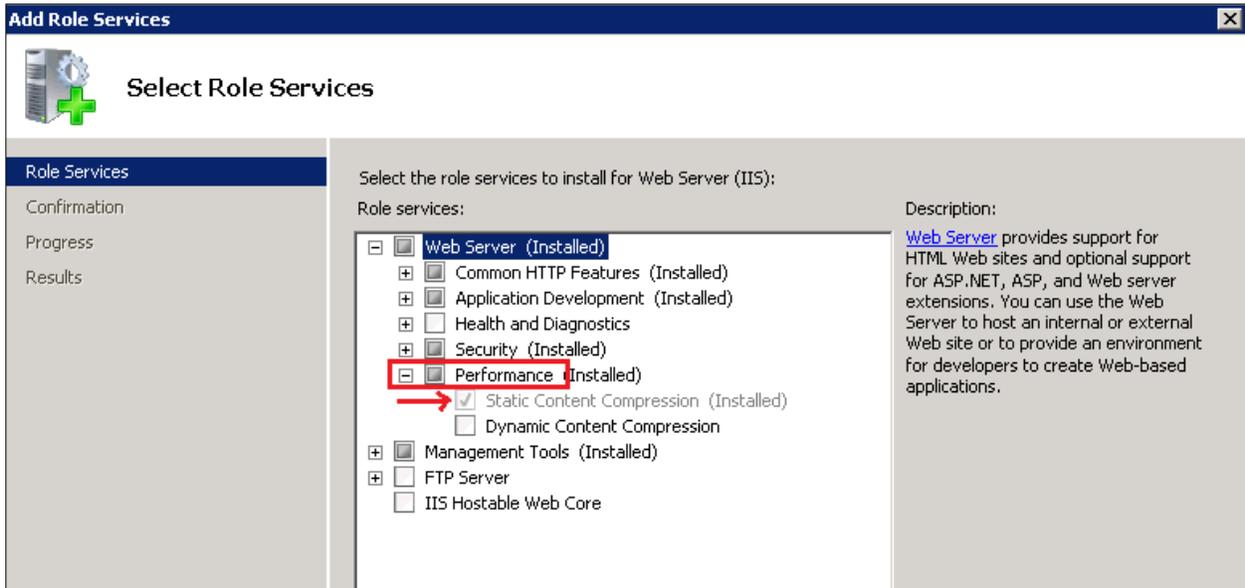
In Server Roles, configure the roles under Web Server (IIS) as shown below:

1. Go to Web Server → Common HTTP Features, now configure the roles shown in below figure.

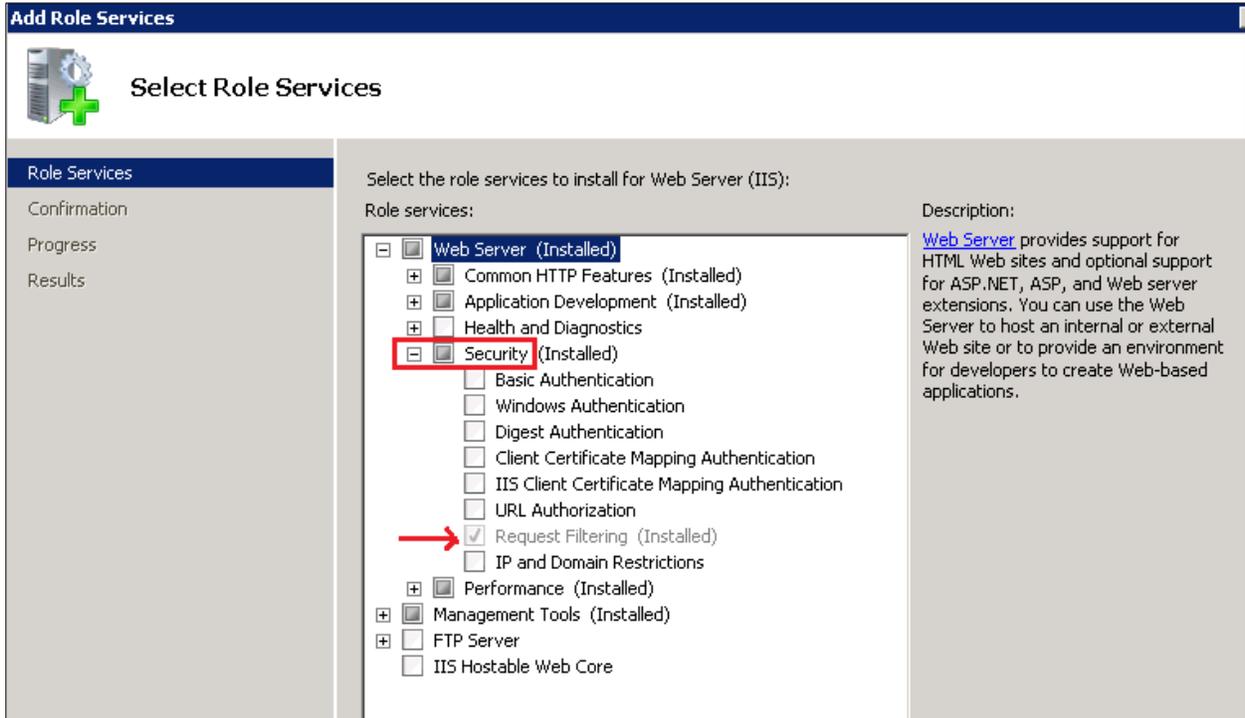


- *Default Document*
- *Static Content*
- *WebDAV Publishing*

2. Select **Performance**, configure **Static Content Compression** role.

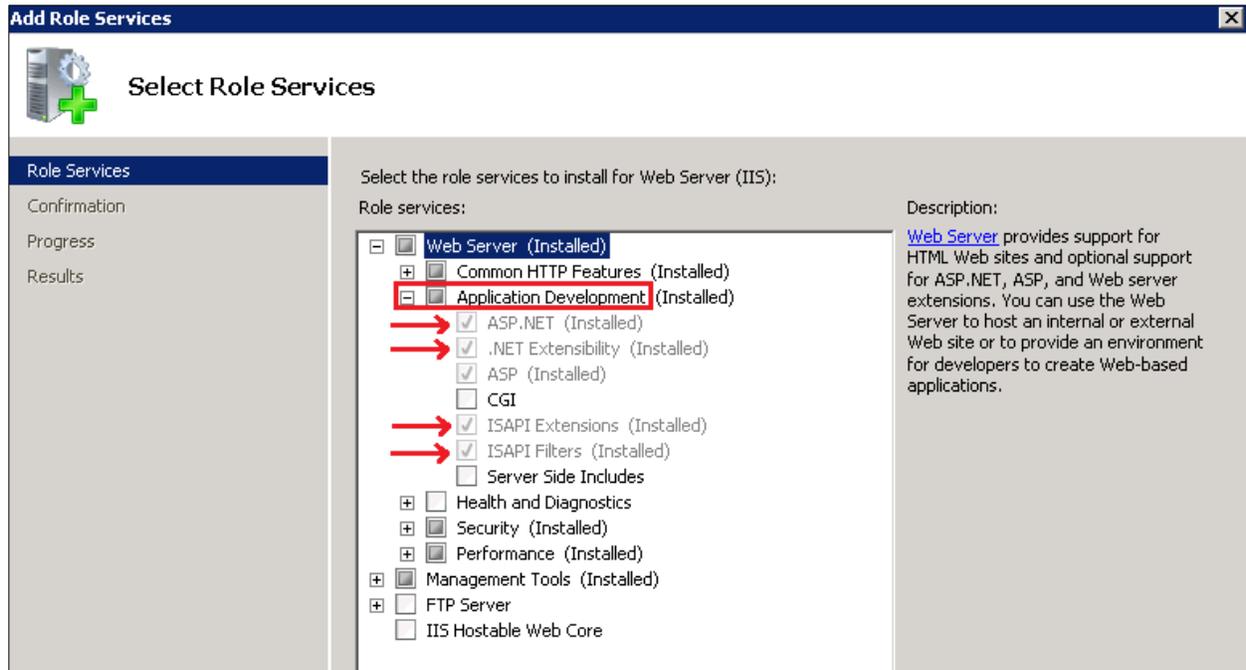


3. Select **Security**, configure **Request Filtering** role



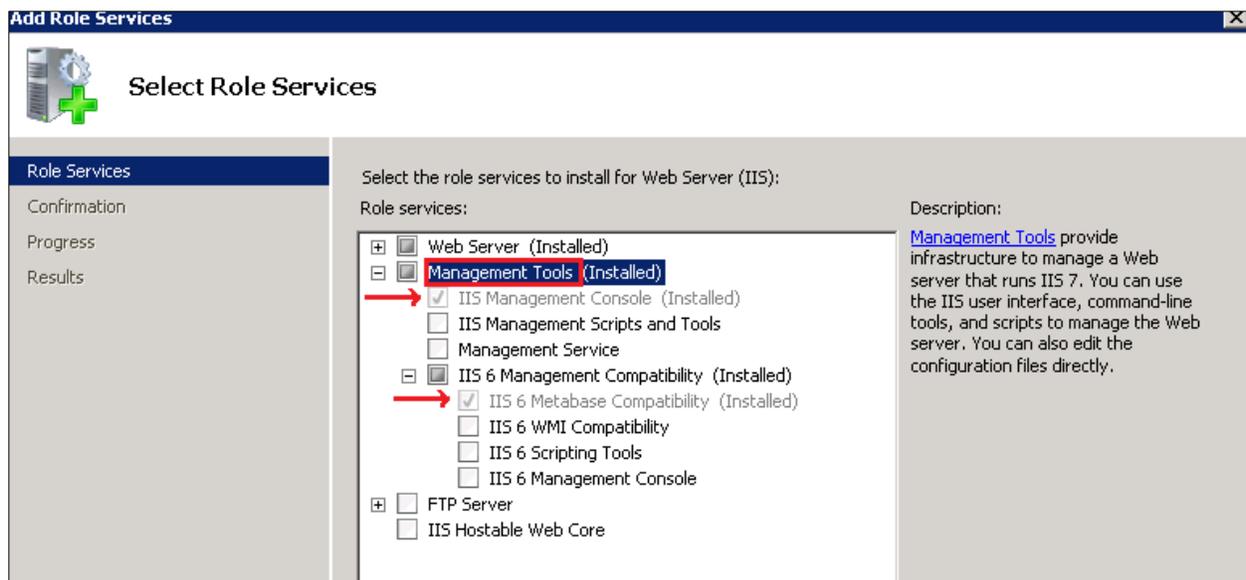
4. Select **Application Development**, configure the below roles.

- *ASP.NET*
- *.Net Extensibility*
- *ISAPI Extensions*
- *ISAPI Filters*



5. Go to Management Tools → select **IIS Management Console**

6. Select **IIS 6 Management compatibility**; configure **IIS 6 Metabase compatibility** role.

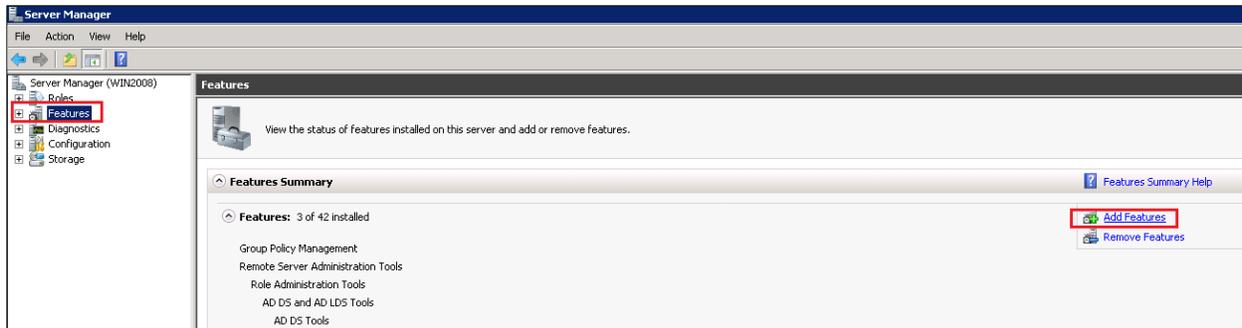


**Note:** To host applications and to open IIS Manager we need to select IIS Management Console in Management tools.

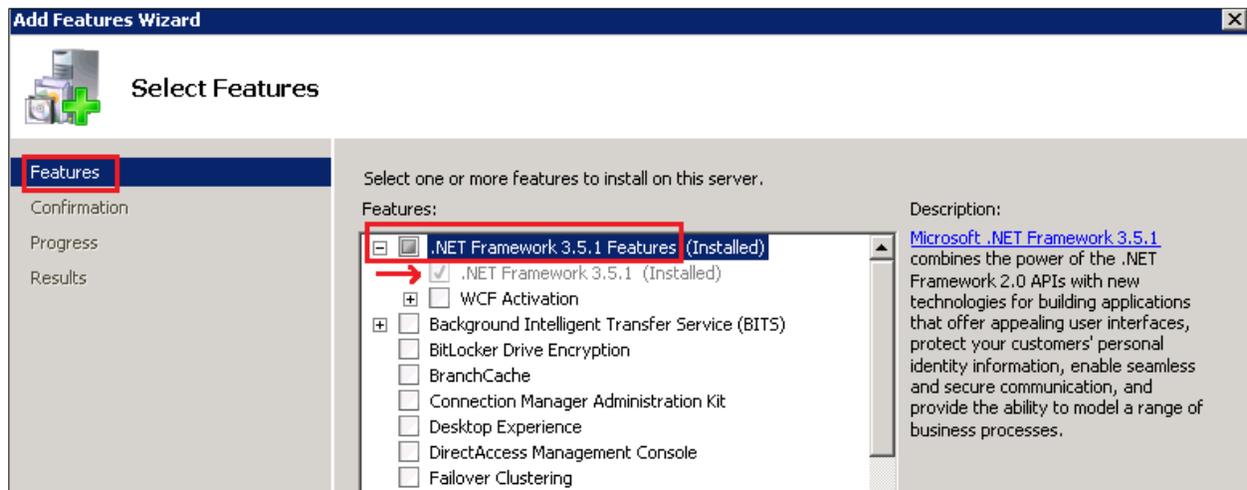
- Click **Next**
- Click **Install** button.

After installing roles, we need to configure features in Server Manager.

7. Go to Server Manager → Select **Features** → Click on **Add Features**



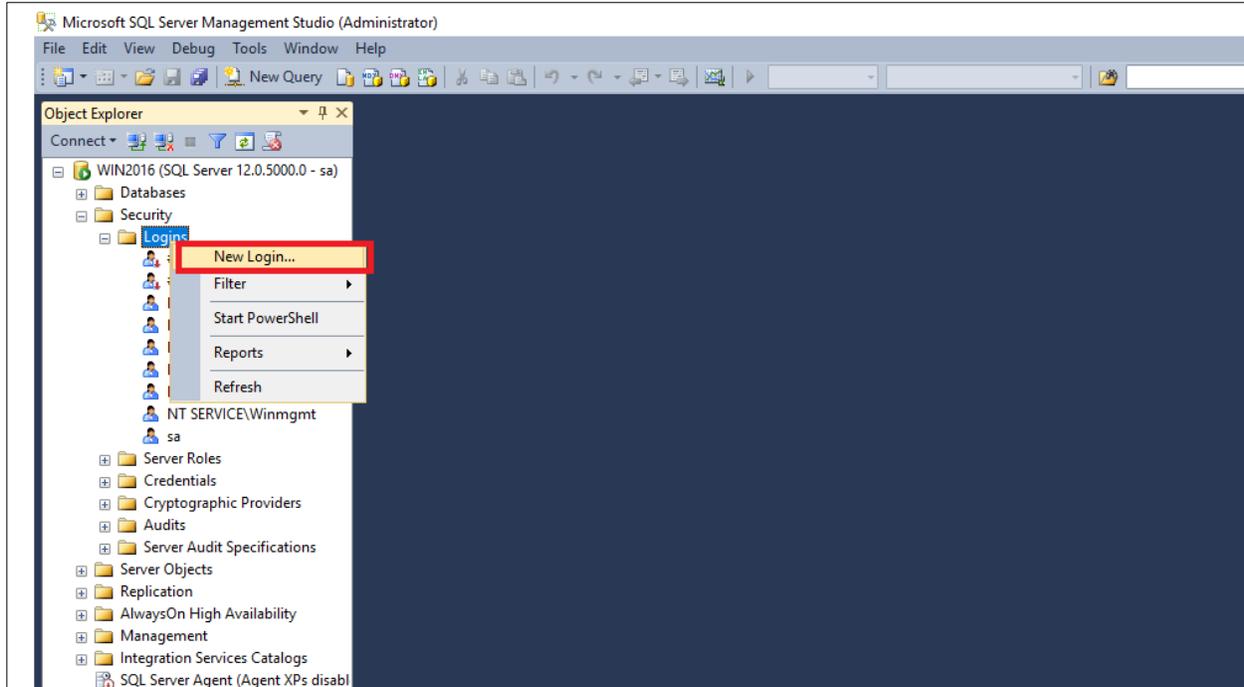
8. In Features, make sure **.NET Framework 3.5.1** features are installed, if they were not installed configure them as shown below to install.



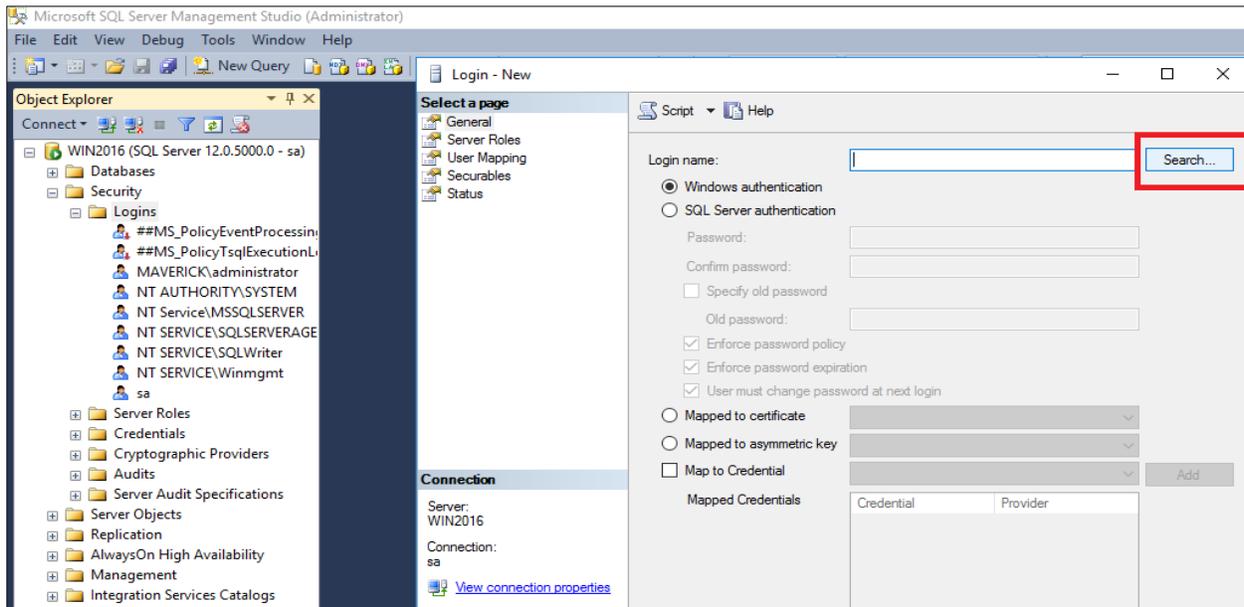
9. Click **Next**
10. Click **Install** button
11. After installation completed, click **Close** button
12. Restart the server to apply the changes

## SQL SERVER 2014/ 2016 Configuration with Windows Authentication

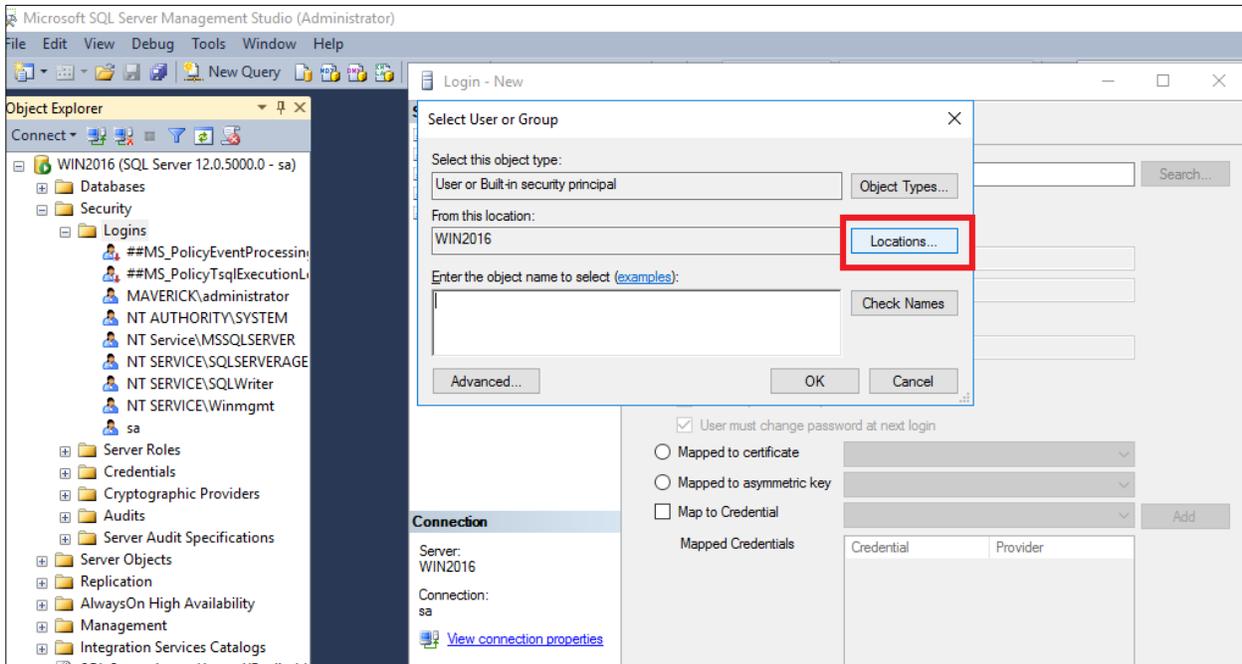
- Open the SQL management Studio login with sa account right click on the login. Click on the new login and add the domain user with local admin rights.



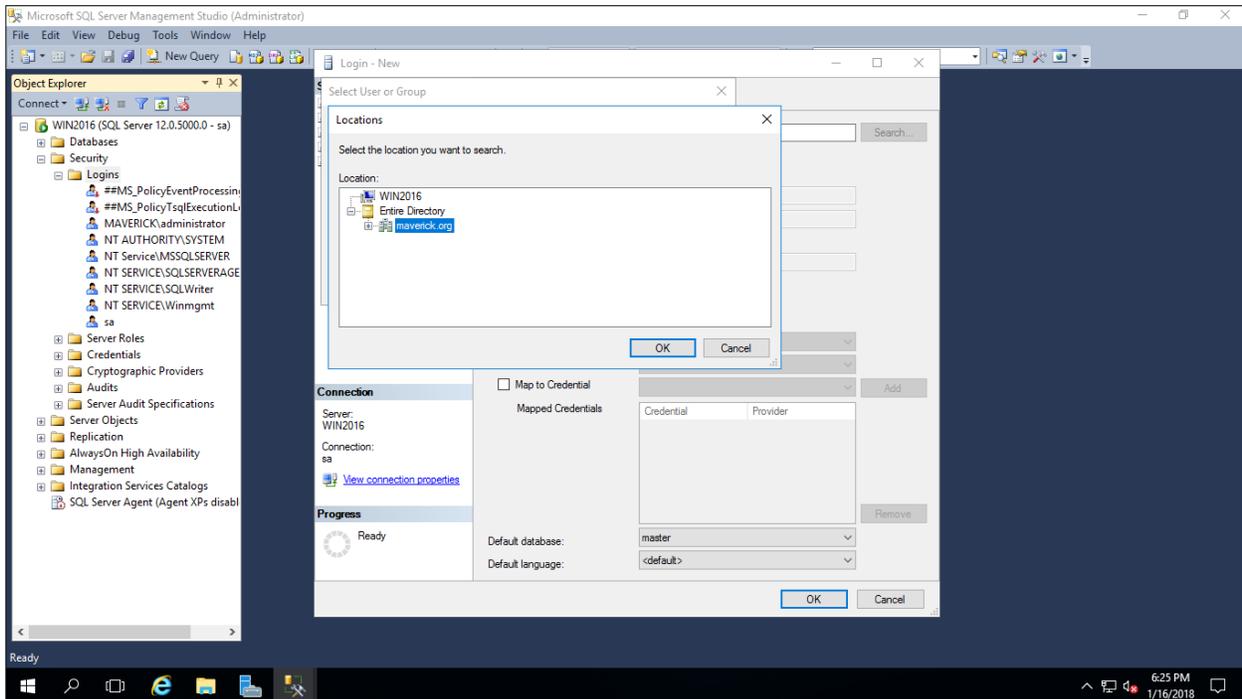
- Click on search button.



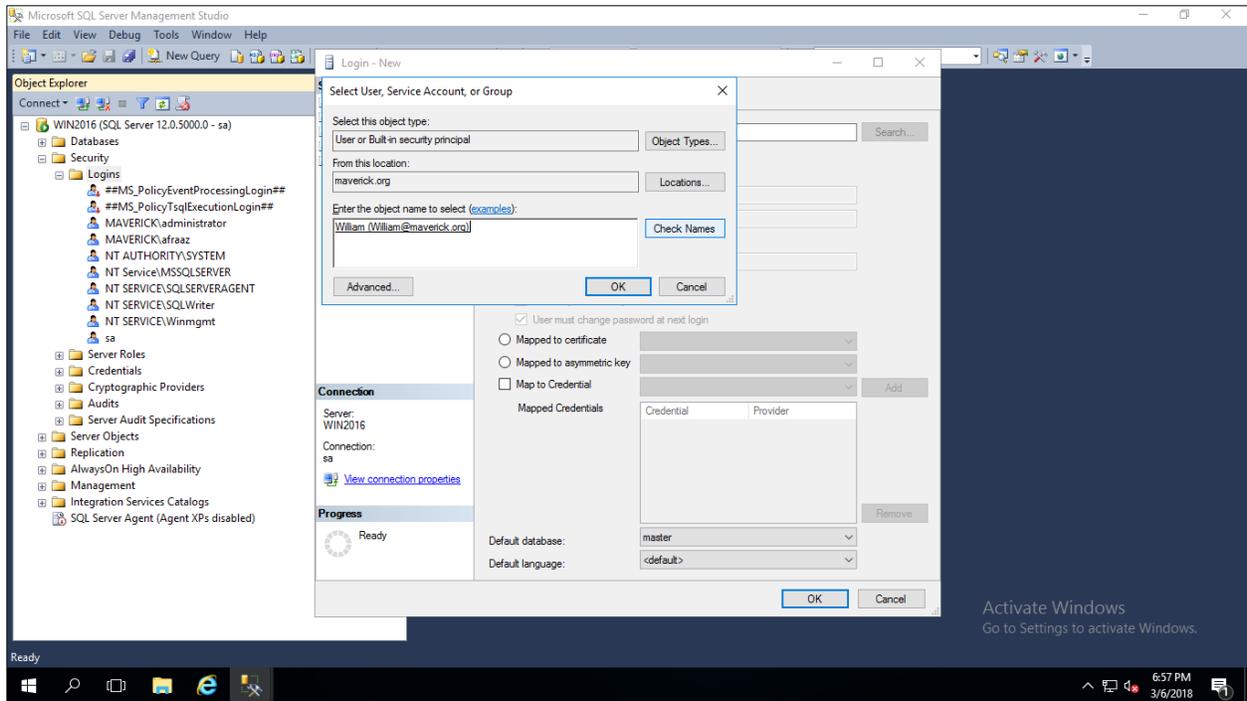
- Click on Locations button.



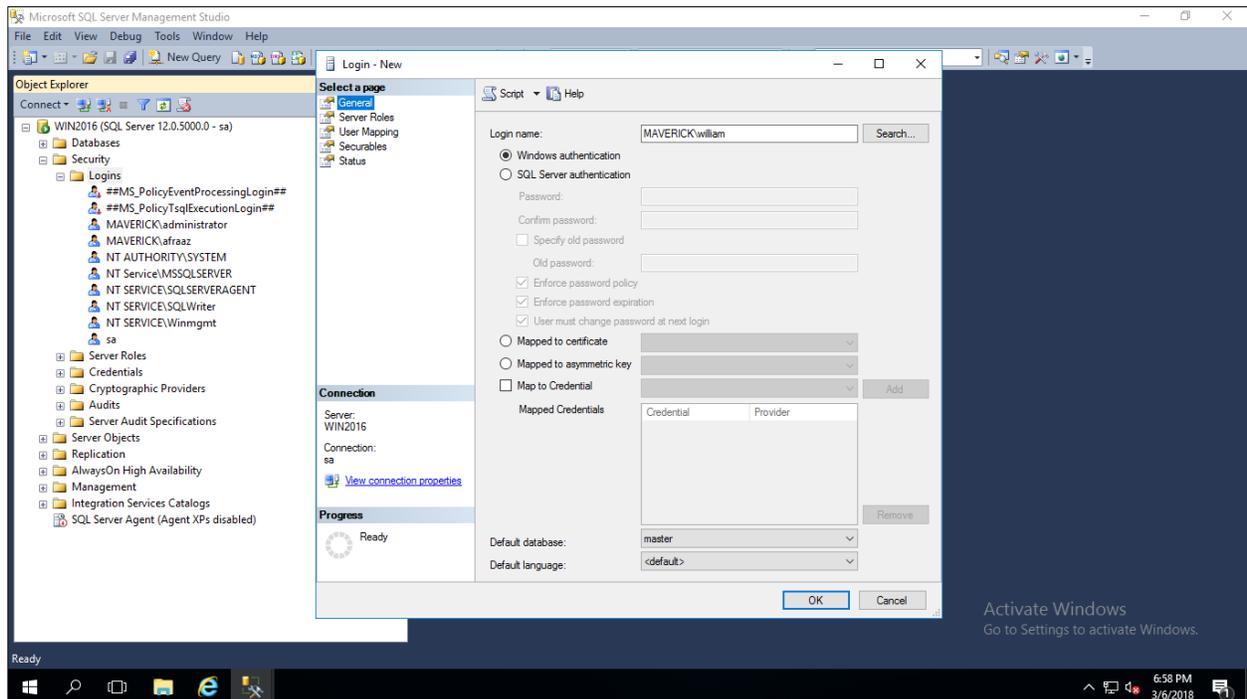
- Select the domain name and click on OK button.



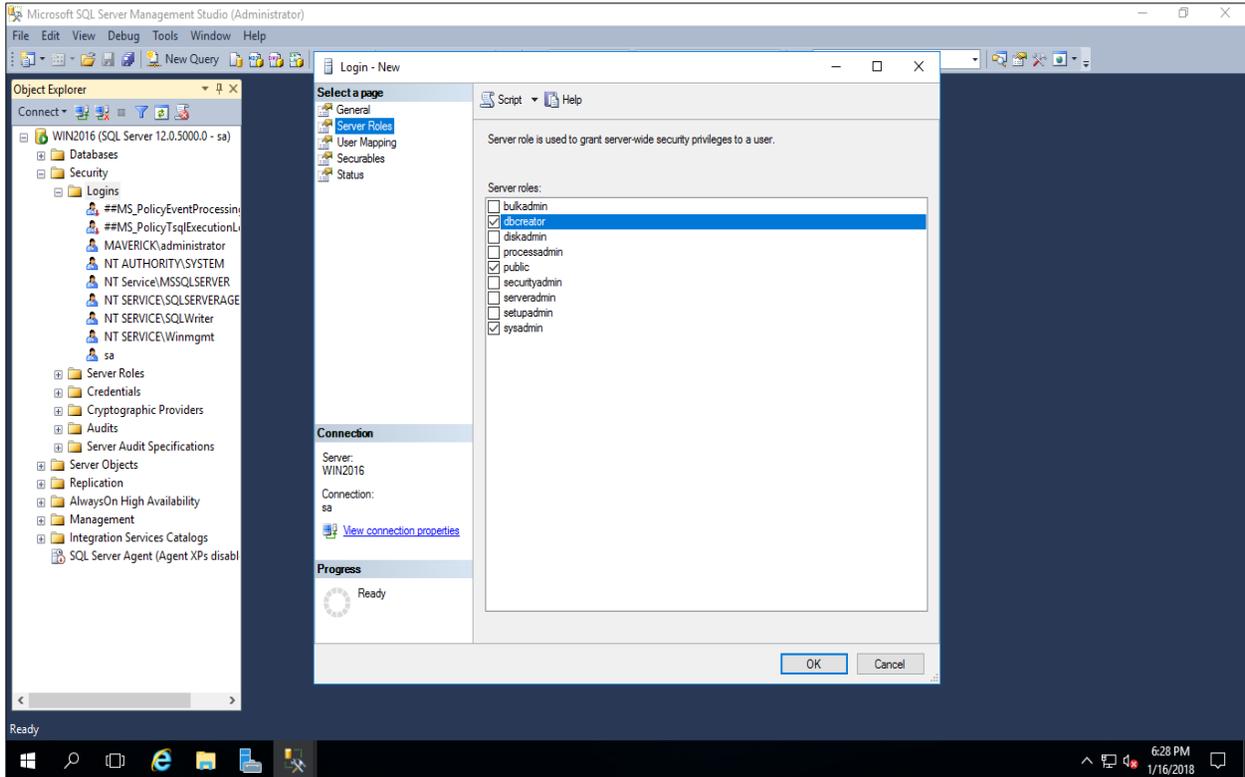
- Type the User name which has been assign the local admin rights and click on OK button.



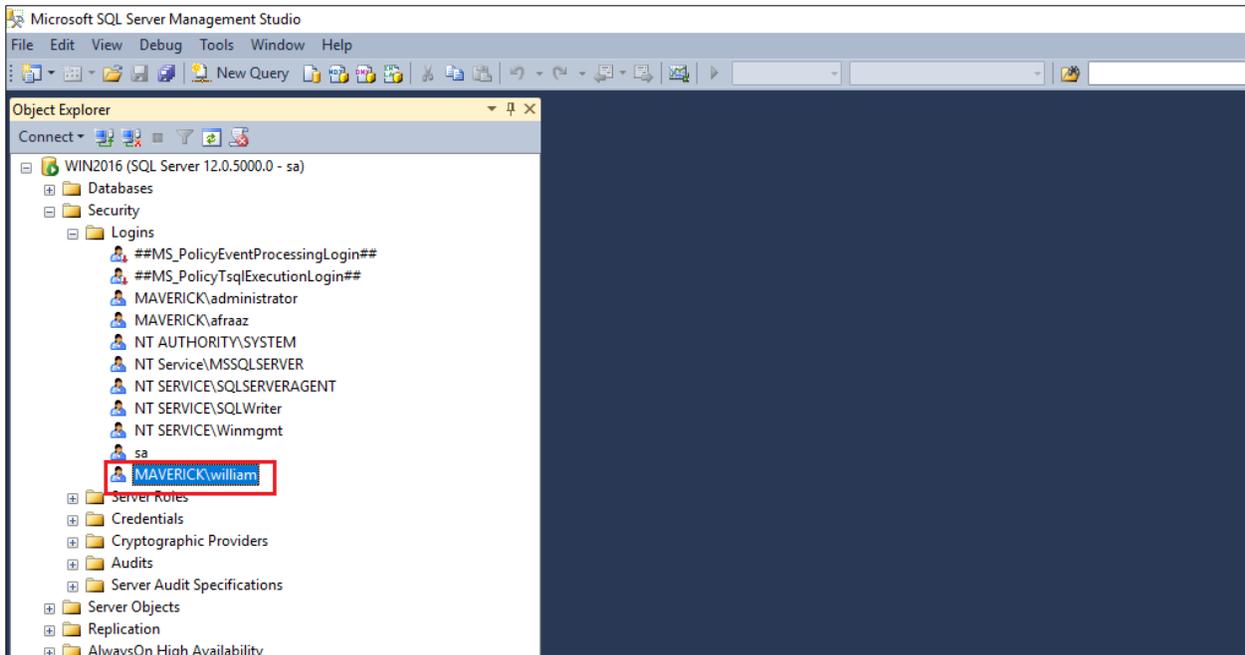
- After adding the local admin User give the permissions.



- Select server roles option for the selected user and check the option **dbcreator** and **sysadmin** in Server Roles.



- After assigning the roles permission click on OK button. After that User will get added to the Logins successfully.

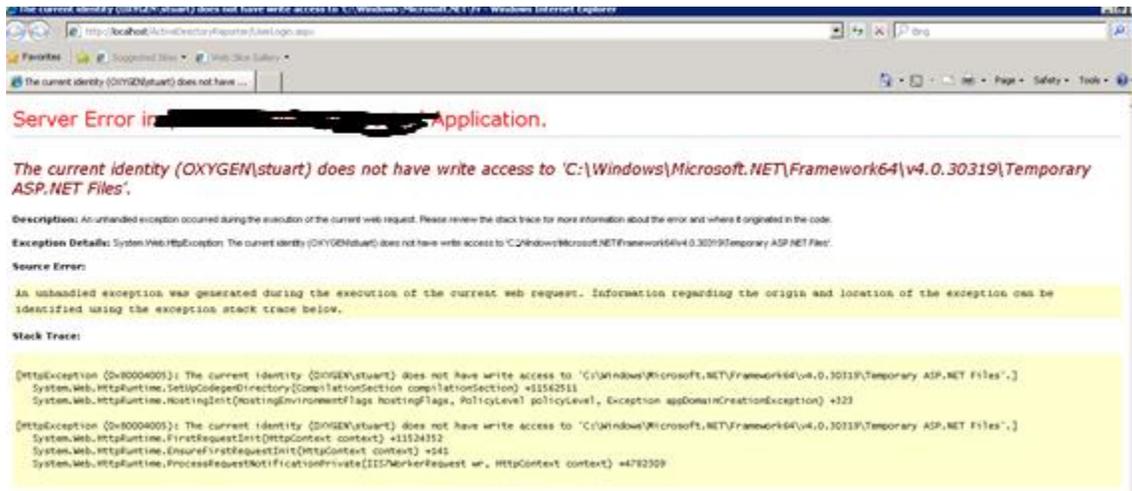


As mentioned above we can add domain users (Local Admin) details who are trying to install our Active Directory Recovery in Windows Authentication in Local PC or Accessing database remotely from another system need to follow the same steps in SQL.

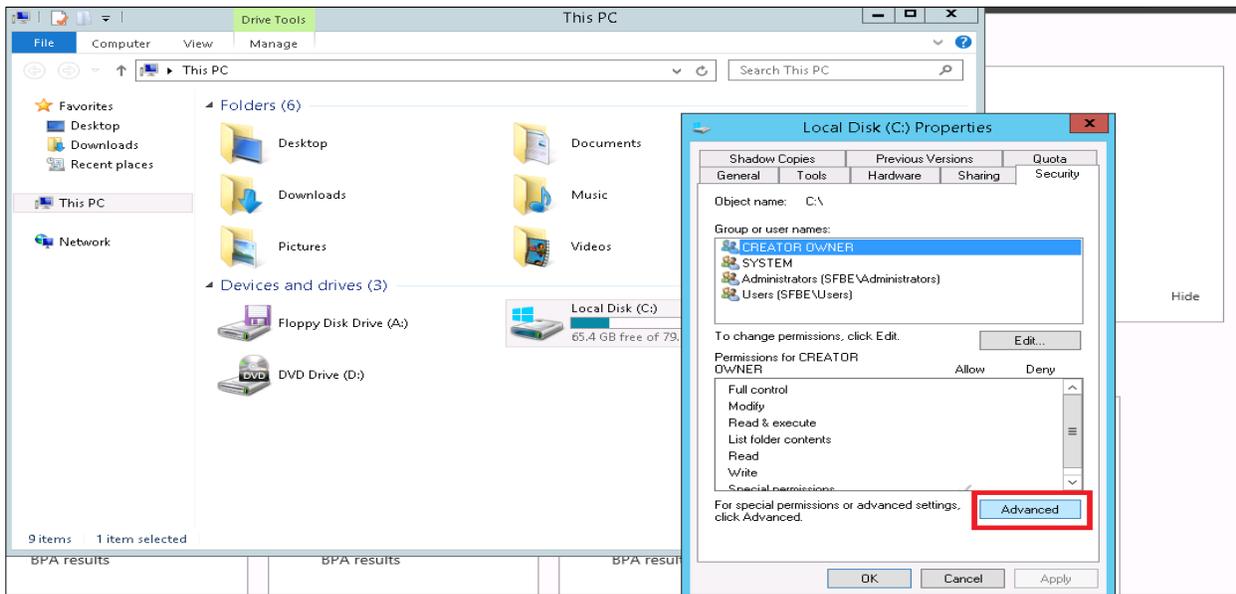
## Troubleshooting installation issues

### Error: “Server Error in ‘/Active Directory Recovery ‘Application”

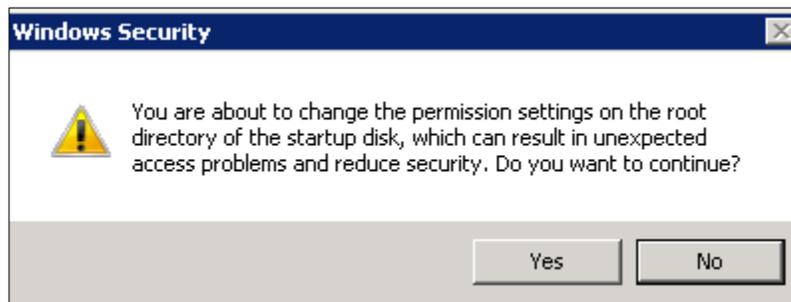
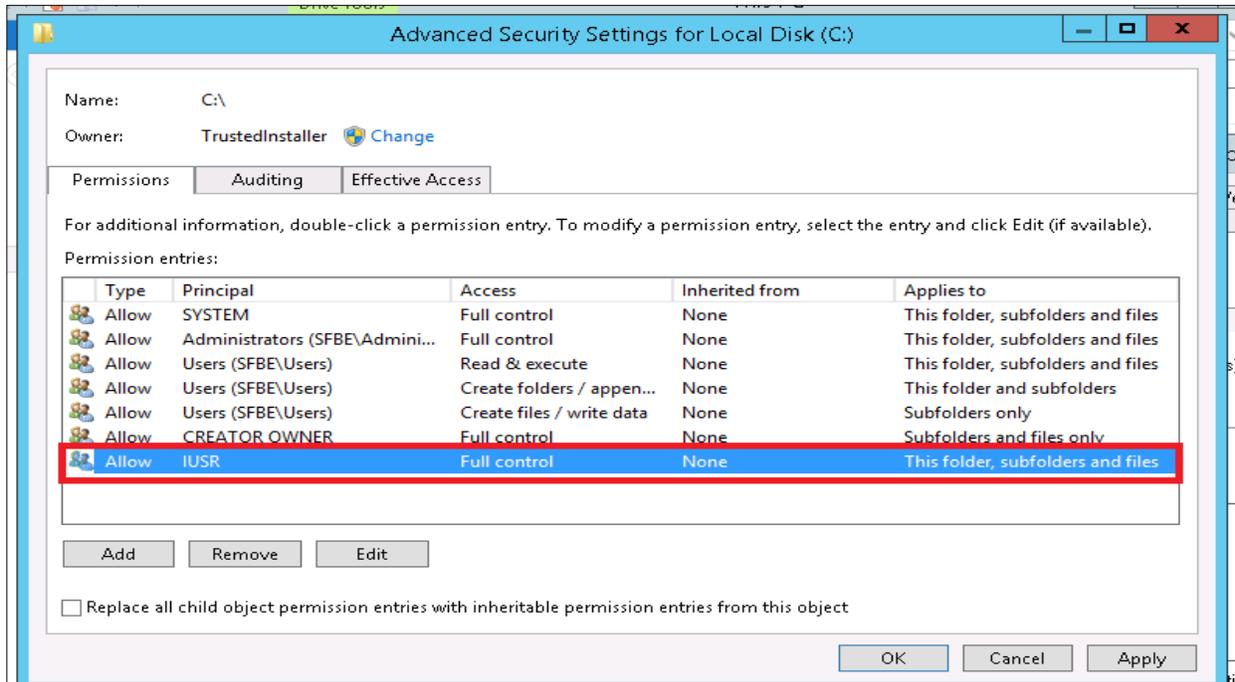
After installing with windows Authentication if you get below error then we have to give some special privileges.



- Right click on **C** drive and select properties and go to security tab and click on advanced button as shown below



- In Advance Security setting tab click on Add and Select **iusr** and give full control permissions and click on apply button after clicking on apply it display the following message as below



- Click on Yes, system file popups will get display click on continue button as below.



- Click on Continue for all popup messages until process finish and click on OK button.
- Open the cmd prompt and run as admin and type this command **iisreset** and then try again.

**Contact Notes:**

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**CionSystems Inc.**

**6640 185<sup>th</sup> Ave NE,**

**Redmond, WA-98052, USA**

**[www.CionSystems.com](http://www.CionSystems.com)**

**Ph: +1.425.605.5325**

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