Cionsystems Products

IIS and SQL Configuration Guide

Software version 6.0.0.0

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Basic Requirements to Install Cionsystems Products

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 Cionsystems Applications in Windows Server 2008R2/Windows Server 2012 R2/Windows Server 2016 .Based on OS Versions some other extra roles and features need to be install please find the below details in detail for each Operating system

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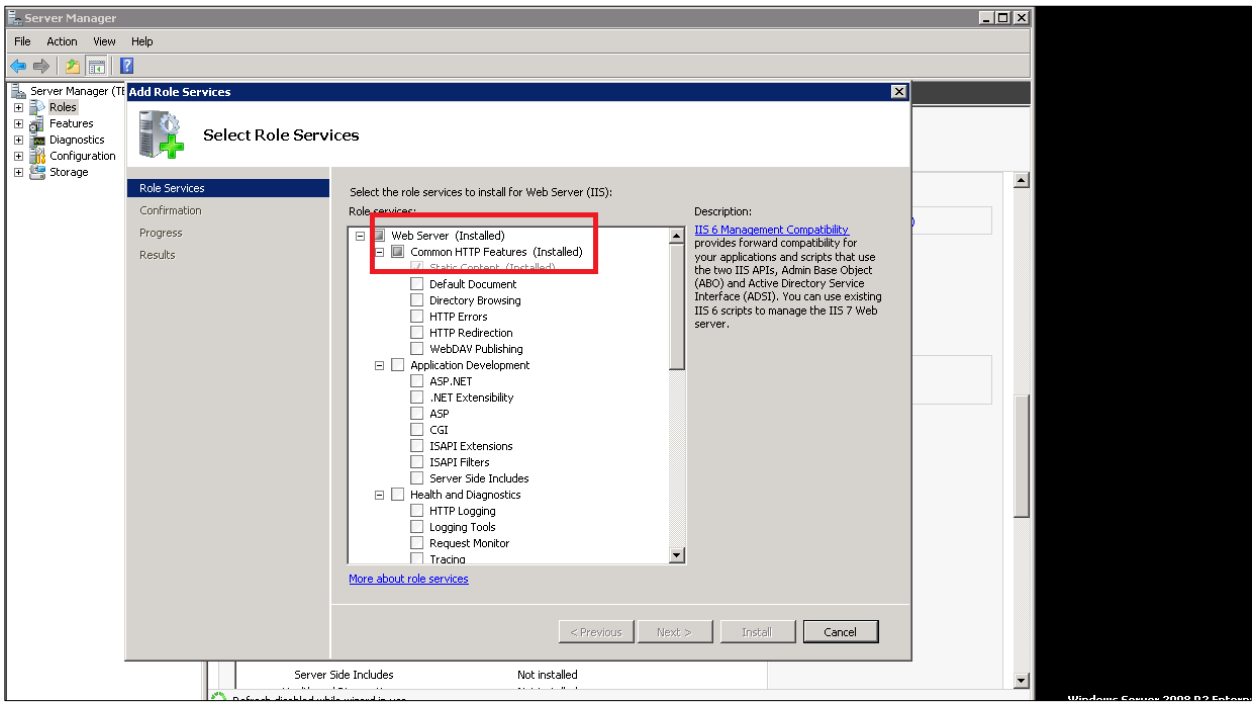
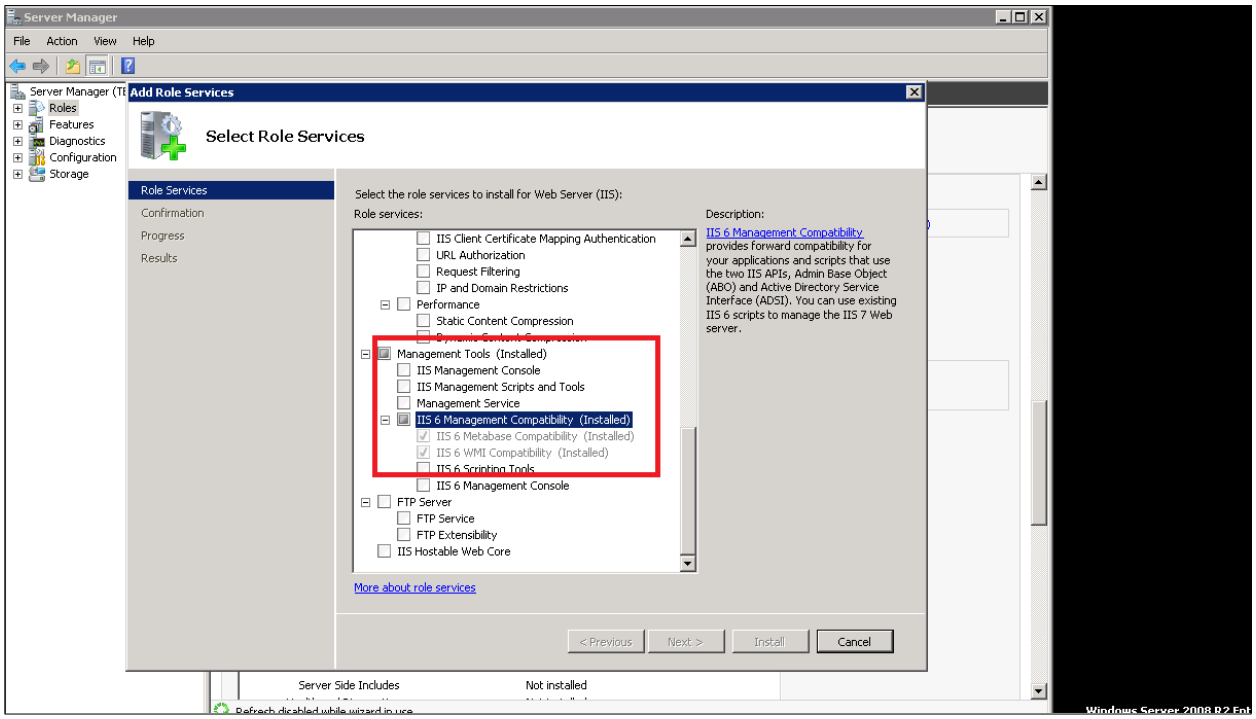
IIS Configuration in Windows Server 2008 R2

1. Configure the IIS with webserver and Common HTTP Features as (Static Content)



2. Select Management Tools under Management tools IIS Management Compatibility IIS 6 Mata base compatibility and IIS 6 WMI Compatibility



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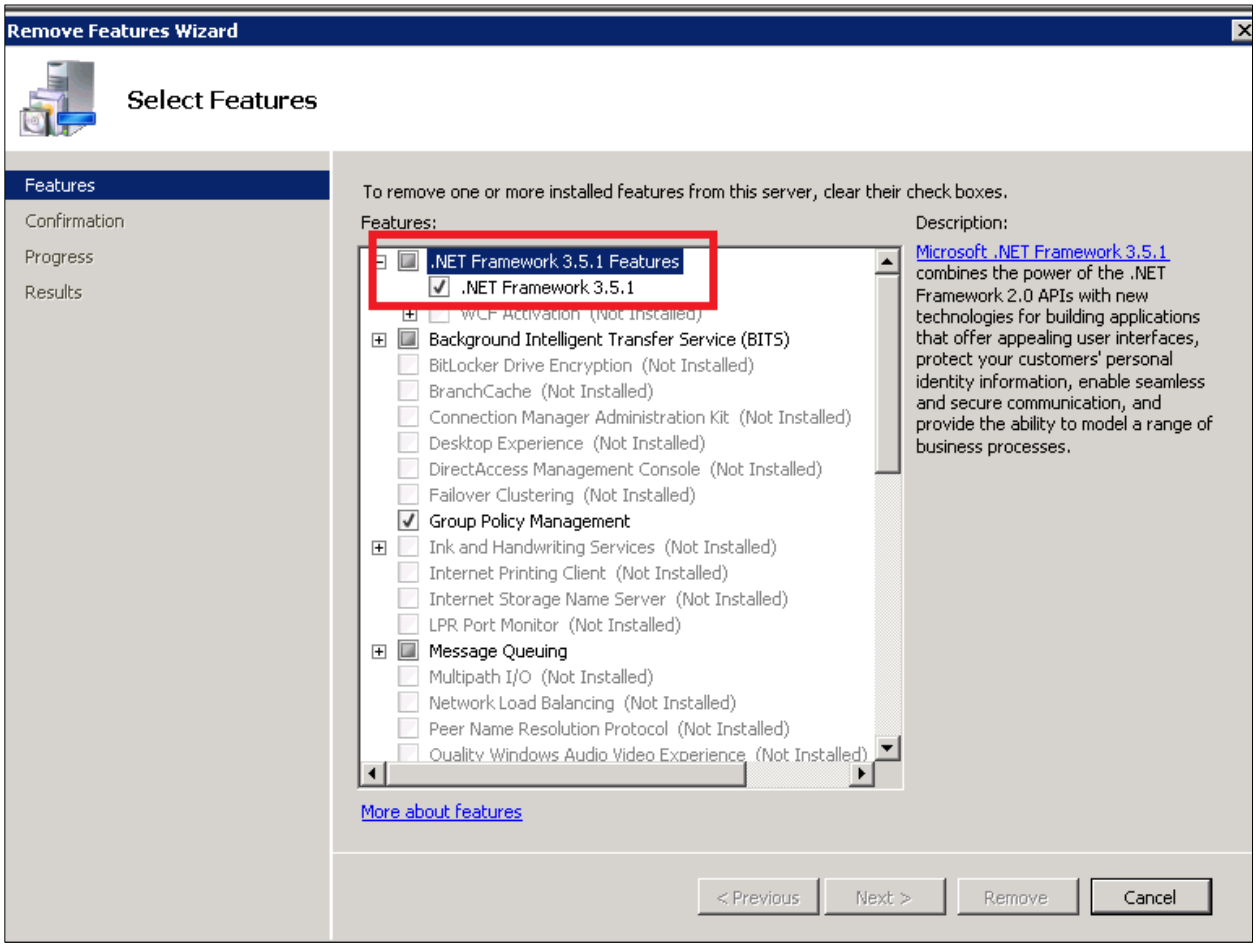
3. To configure IIS in Windows server 2008 r2 as mentioned above, we required only the above features along with .Net features as mentioned below



The same Features are Sufficient to Configure IIS in Windows Server 2008 r2 with Local database and Remote database in Windows/SQL Authentication Modes

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

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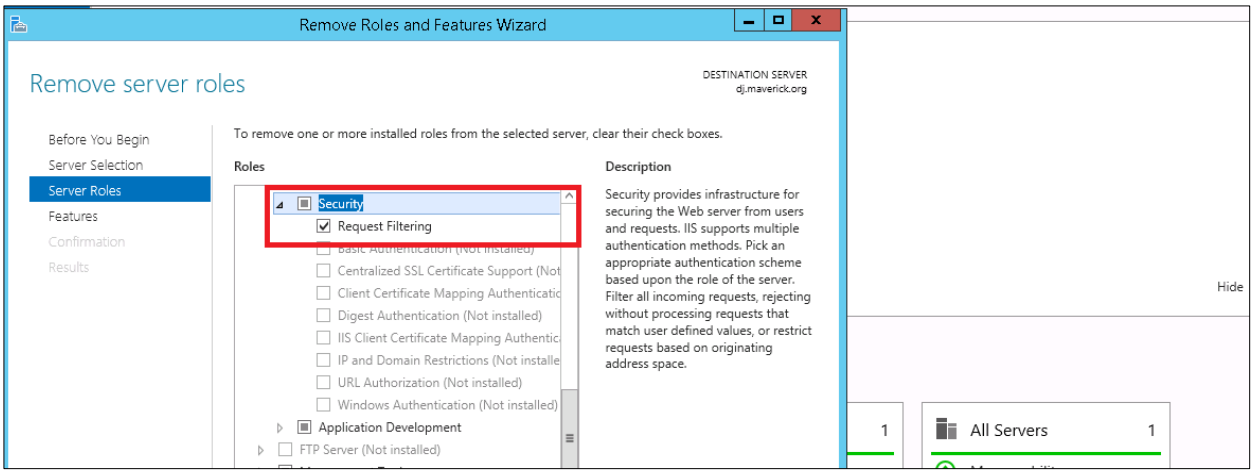
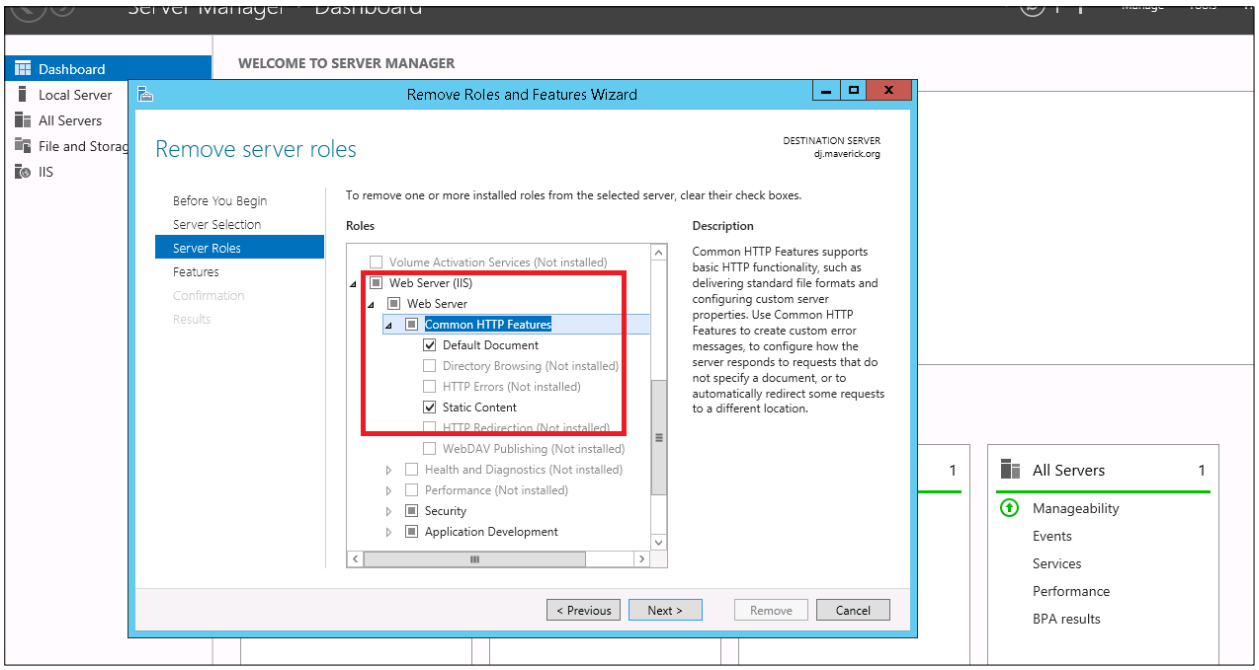
IIS Configuration in Windows Server 2012 r2

1. Configure the IIS with webserver and Common HTTP Features by Checking (StatiContent,DefaultDocument) Options as below

2. In Security Options I Selected Request Filtering Options as shown below



3. In Application Development Move ahead with ASP.NET 3.5 and ASP.NET 4.5 By Selectint these Features It will auto select other Options as .Net Extensibility 3.5 and.Net Extensibility 4.5 along with this ISAPI Extensions and ISAPI Filters will be auto check as shown below



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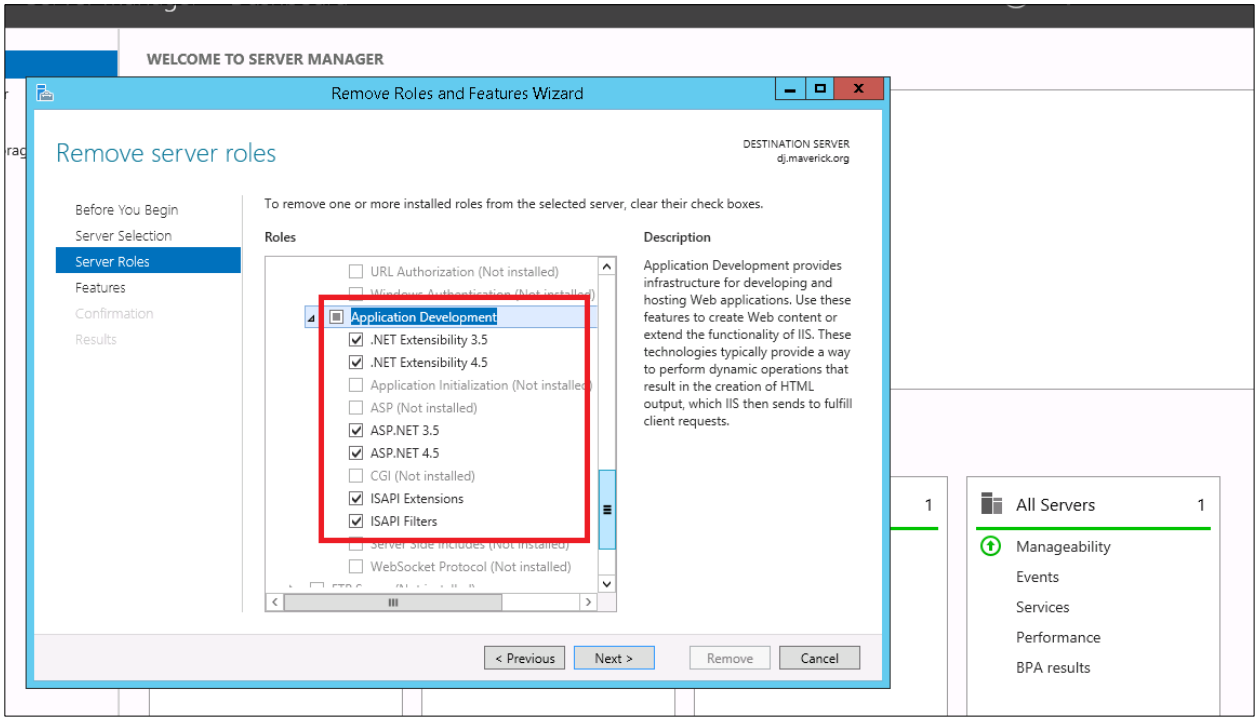
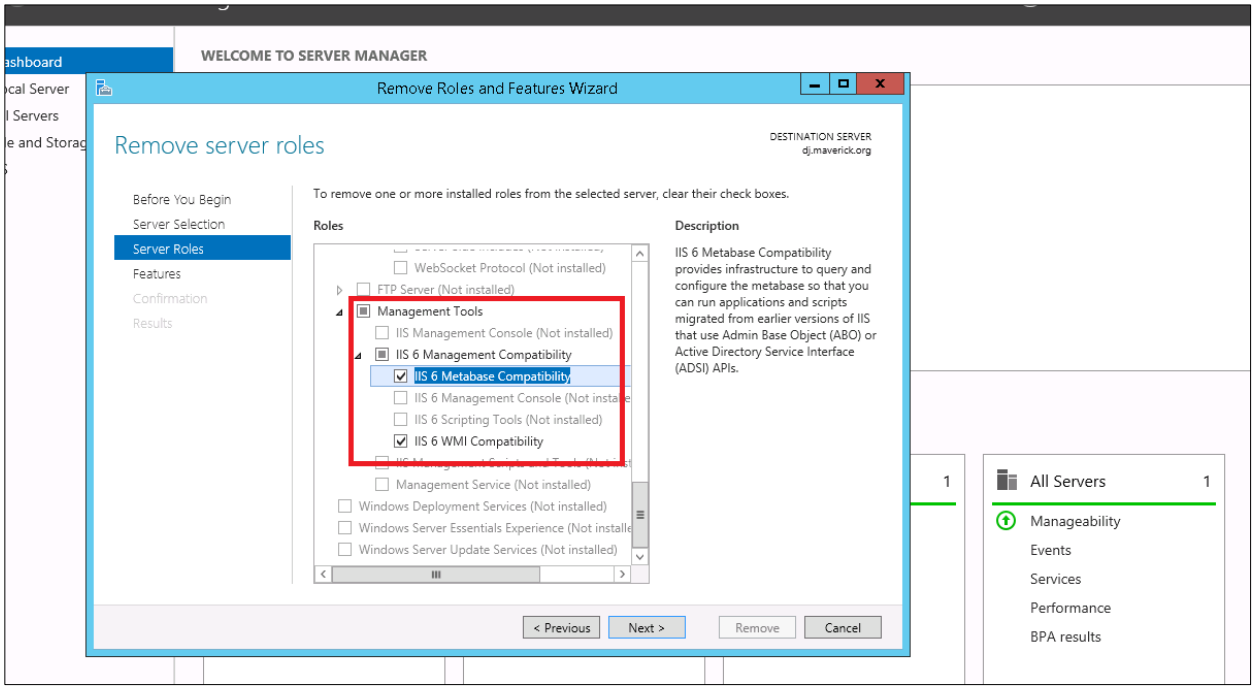


4.Now in Management tools select IIS6 Management Compatibility along with IIS 6 Mata base compatibility and IIS 6 WMI Compatibility options as shown below



5. Now IIS is configured with the above options.

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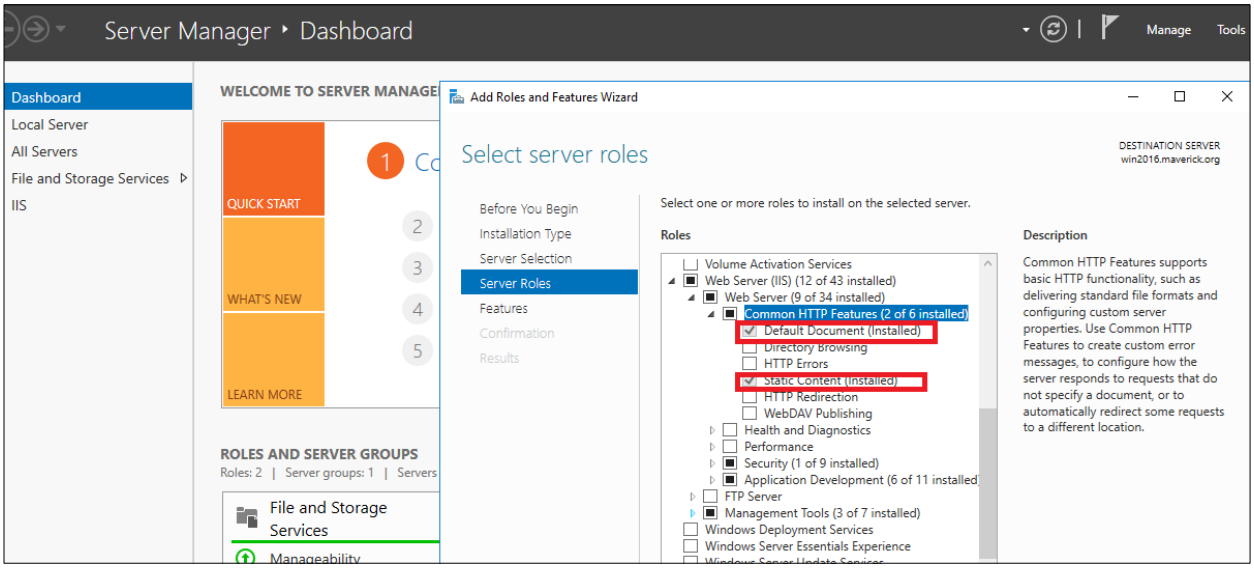
To Install Applications with same IIS Configurations by choosing Local and Remote databases in Windows and SQL Authentications, these features are Sufficient.

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

IIS Configuration in Windows Server 2016

1. Go to server manager select server roles Click on web server. Select the below options under Common HTTP features.



2. Under Security option select Request Filtering.

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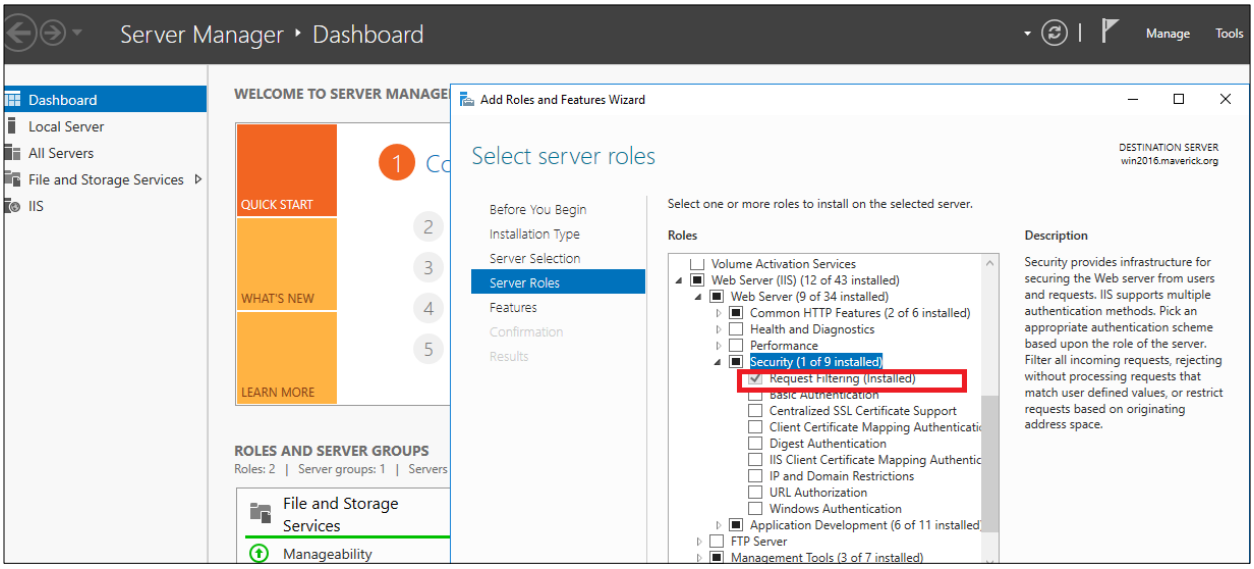
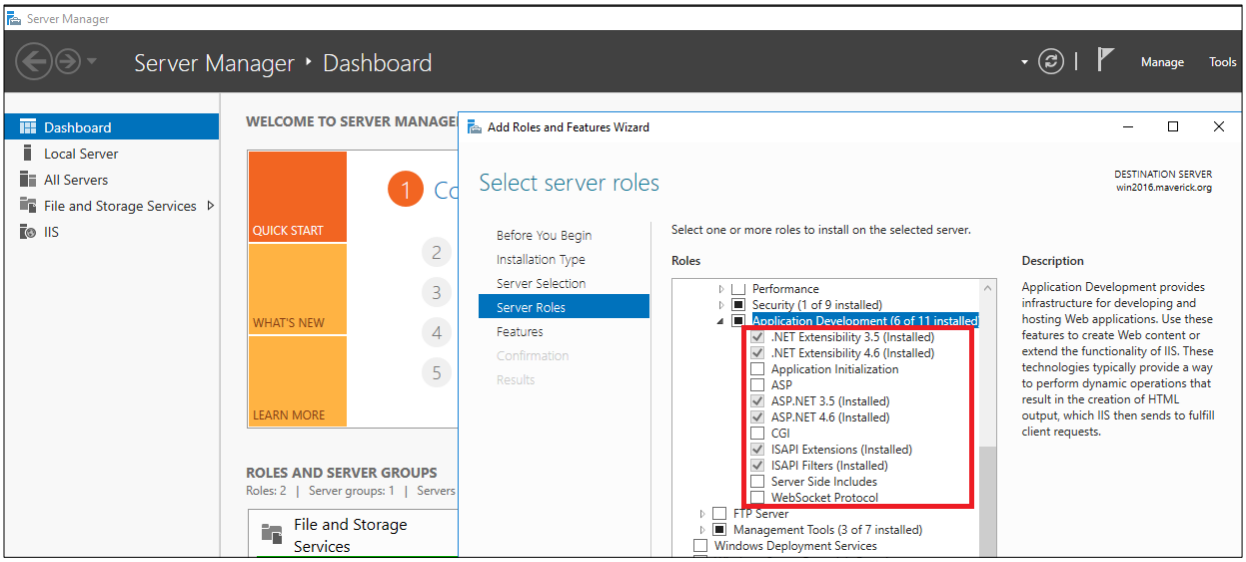


3. Below are the mandatory features for the Installation our applications.



4. Under IIS Management Compatibility, select these three features.

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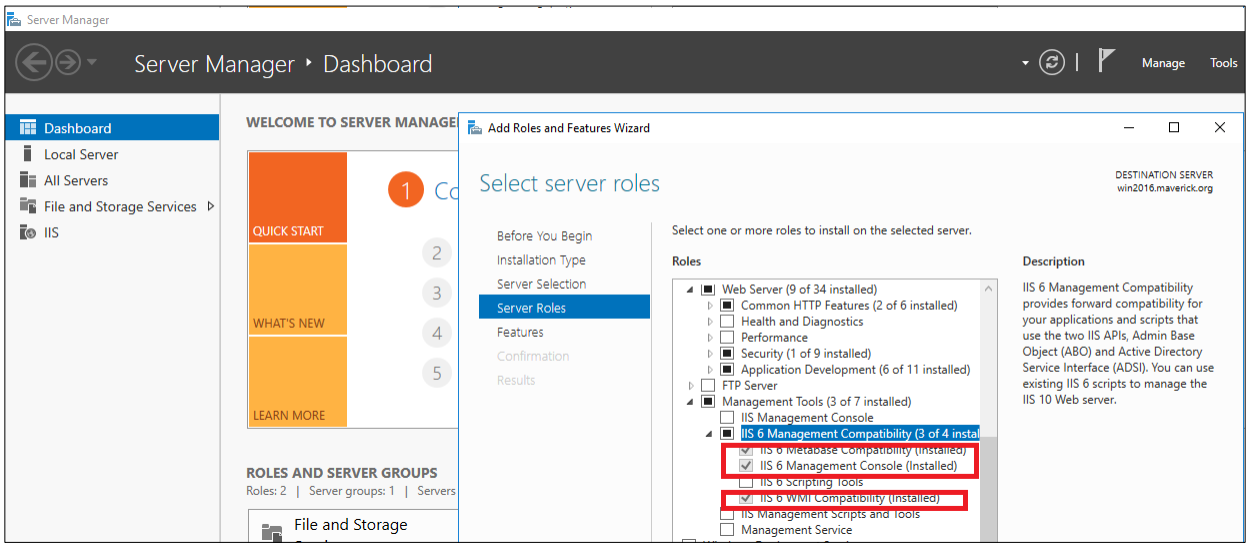
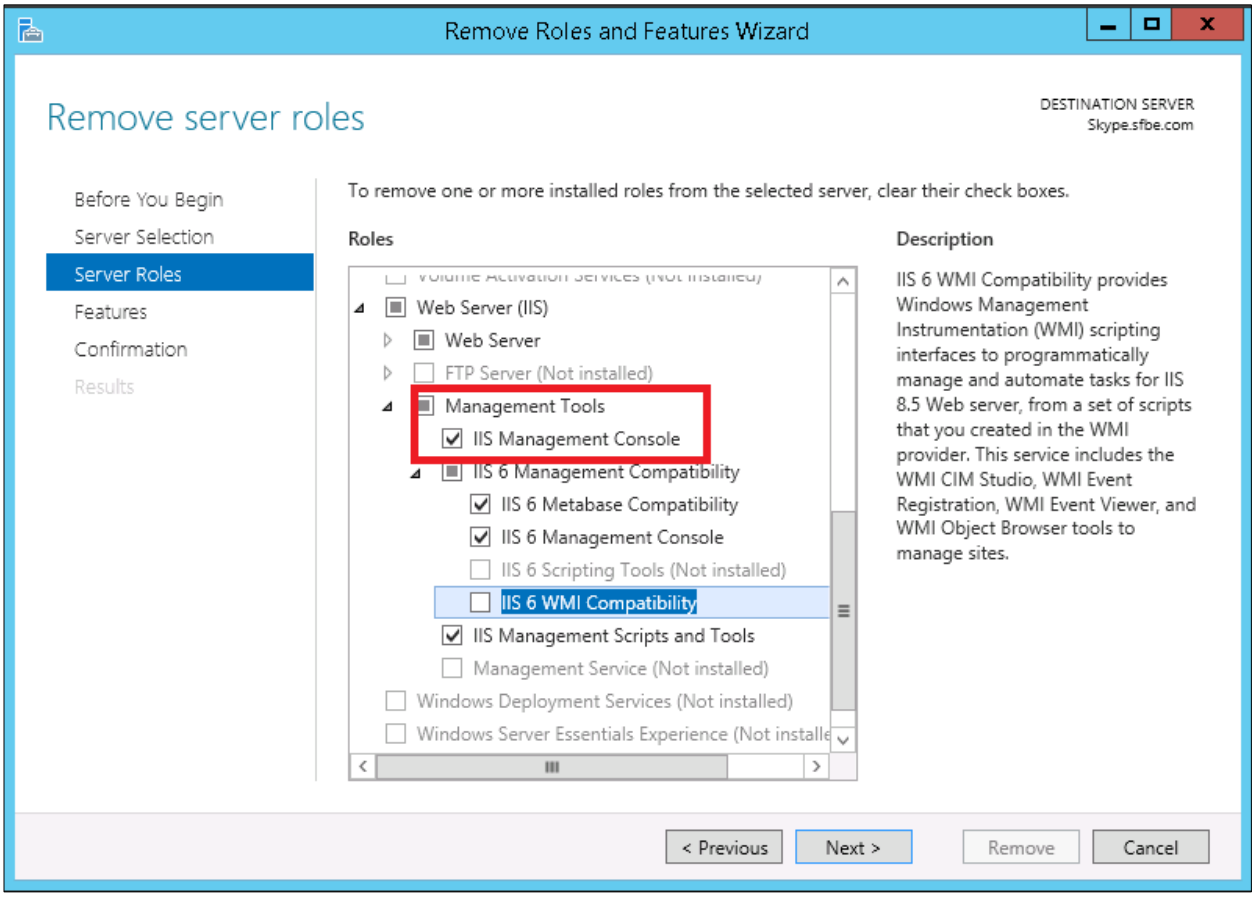


5. The above Features are Sufficient to Install our applications but to host applications and to open IIS Manager we need to select IIS Management Console in Management tools as shown below, this option need to be select in Windows server 2008R2/Windows server 2012 R2/Windows server 2016.



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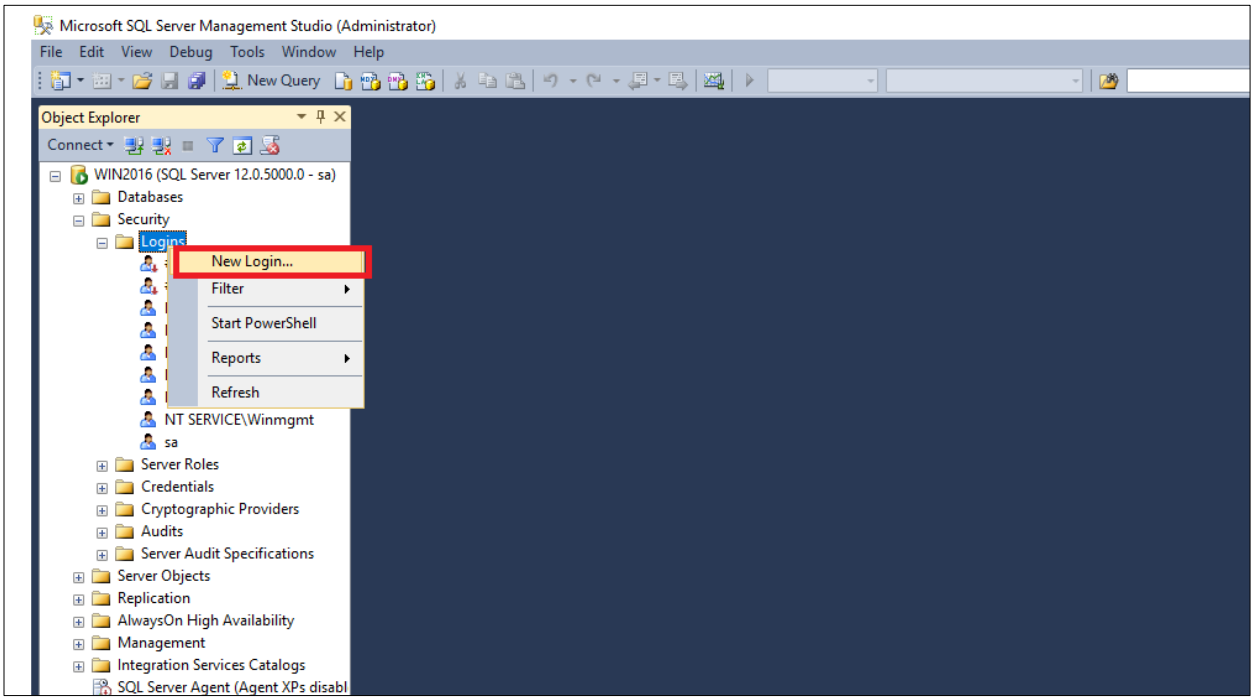
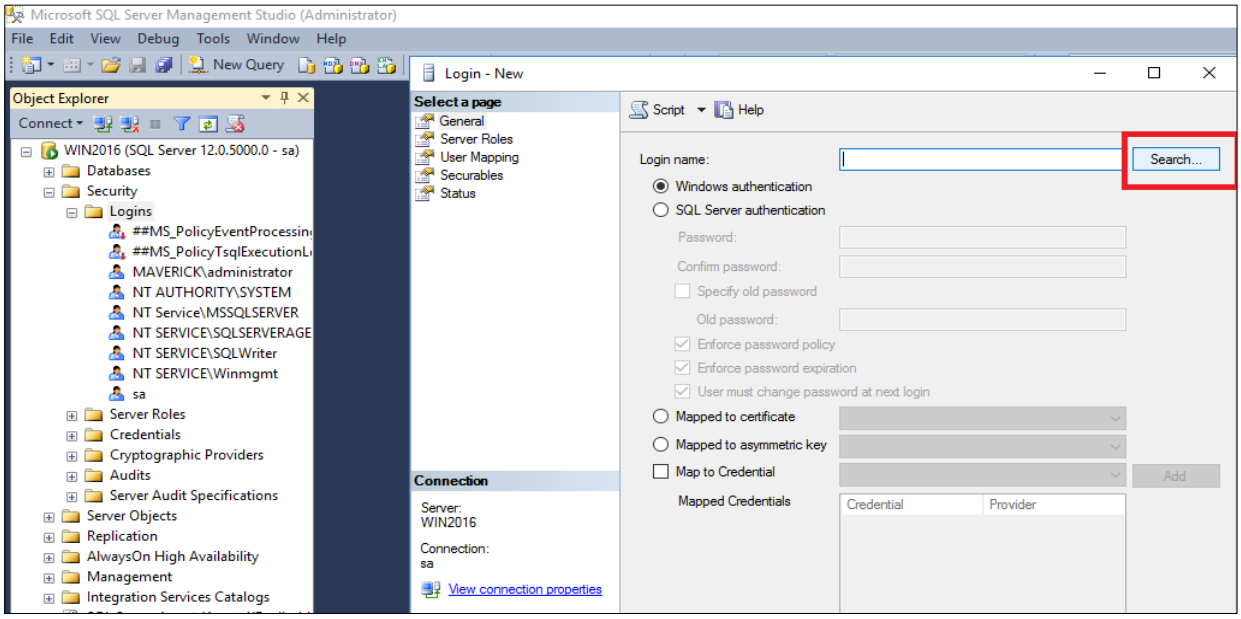
Open the SQL manangement Studio login with sa acccount and click on the login in the new login

Add the domain user with local admin rights in the new login.



Click on search button.



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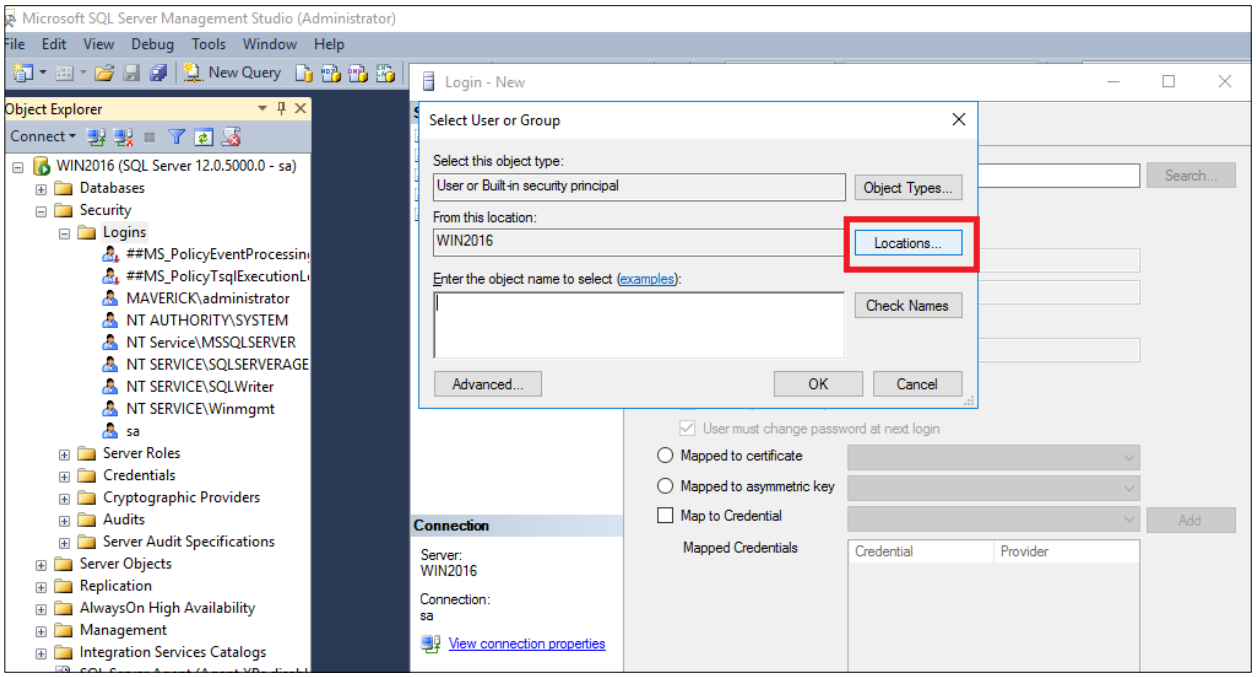
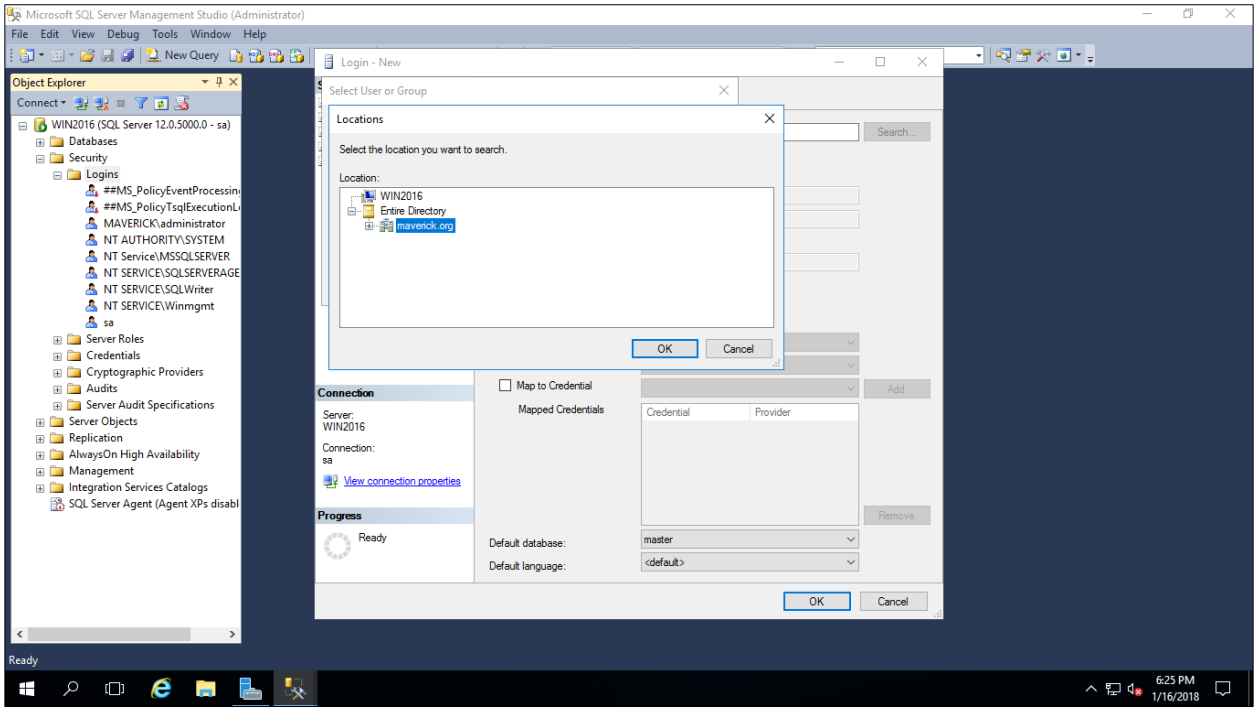
Click on locations button.



Select the domain name and click on OK button as shown below



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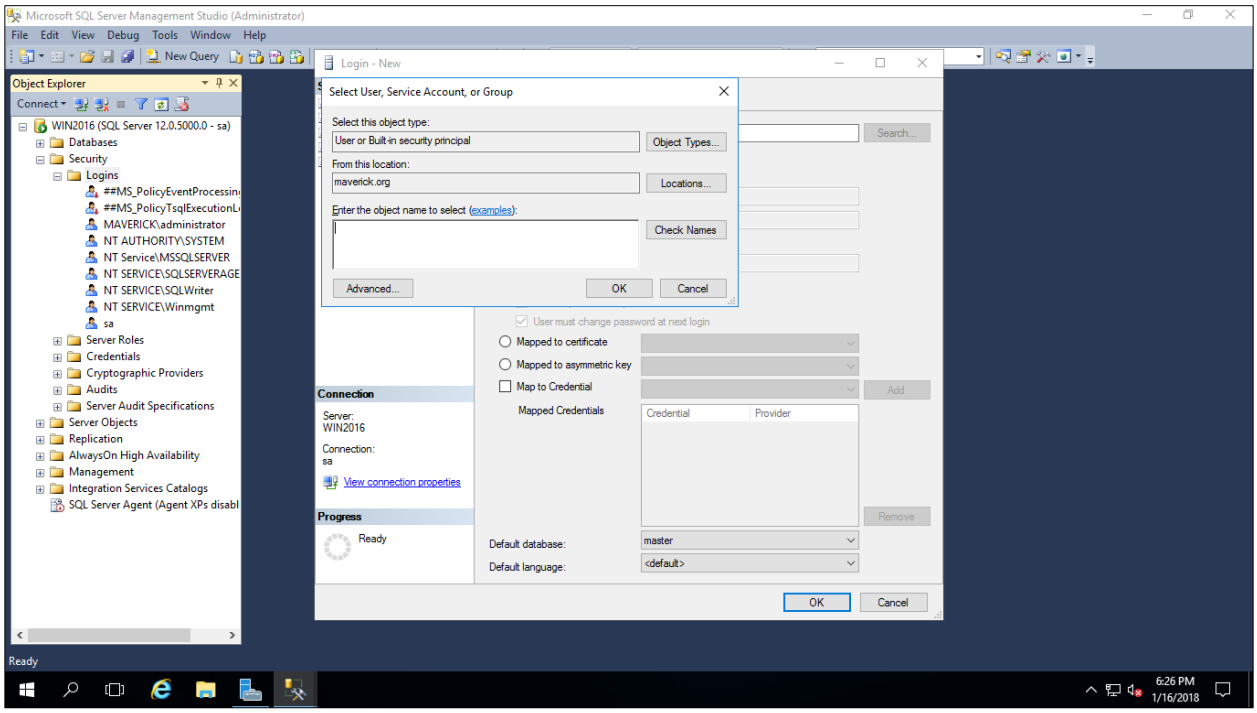
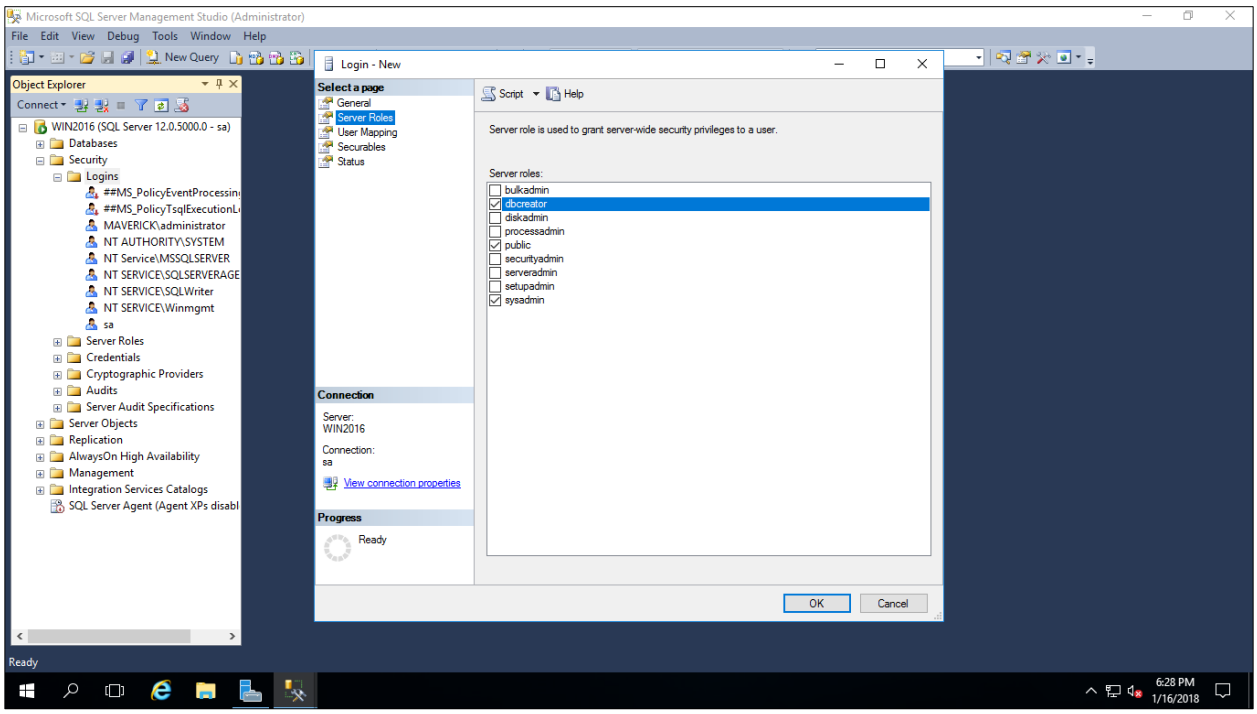
Type the User name which has been assign the local admin rights and click on OK button.



Select server roles Option for the selected user and check the option dB creator and sysadmin in Server Roles.



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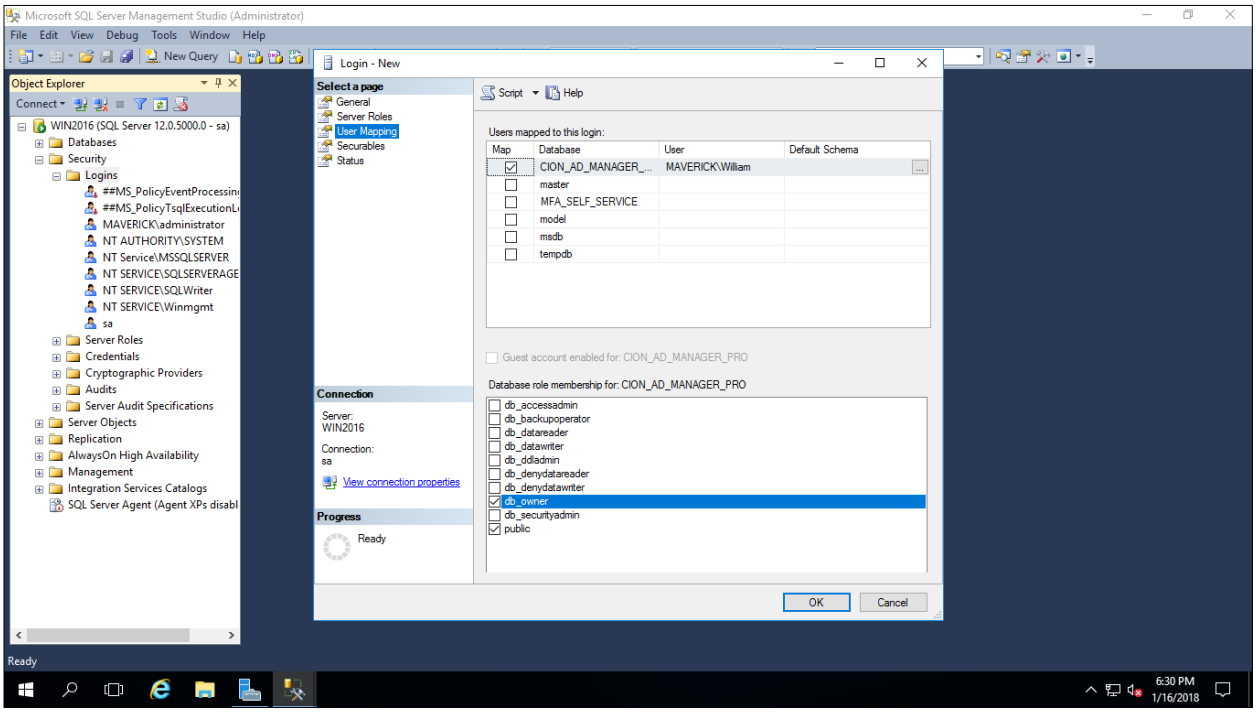
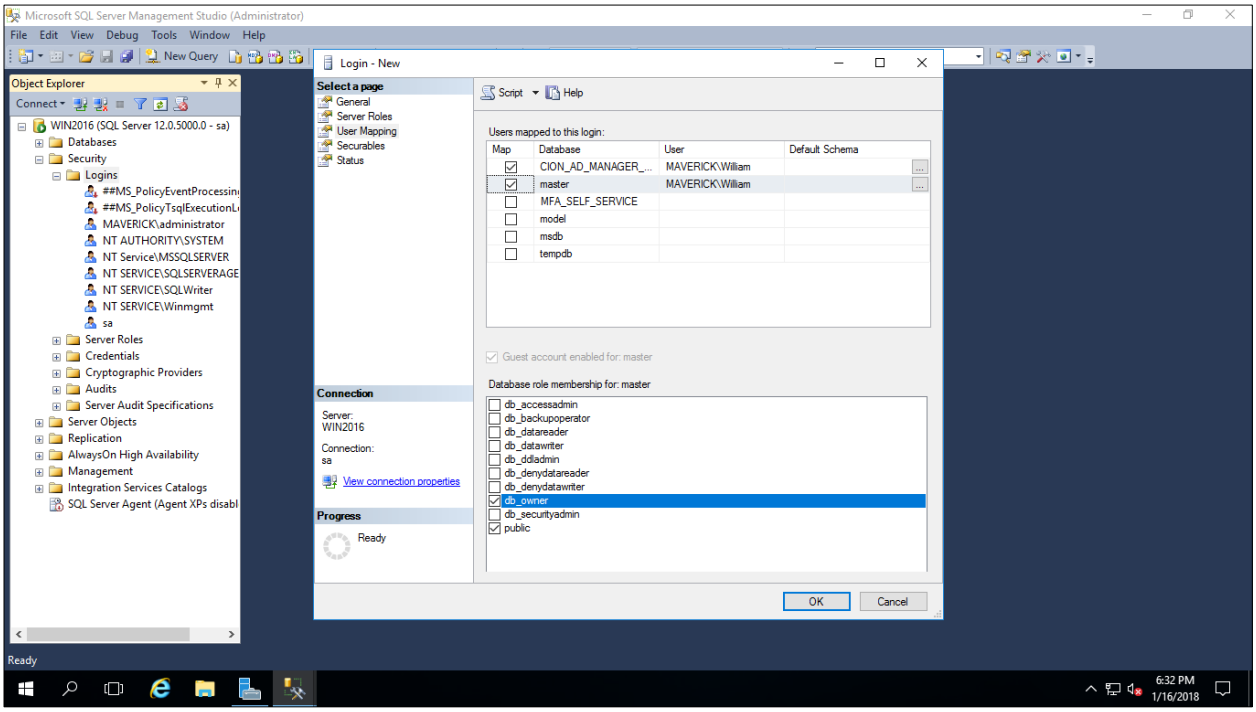
Select User Mapping Option for Selected User and check the box of database for example CION_AD_MANAGER or AD_SELF_SERVICE etc , select the db owner option.Make a Note that If the applications are already Installed then this will show the db name othewise leave it.



Select the check box master Option in User Mapping Only under that select the option db_ owner as shown below



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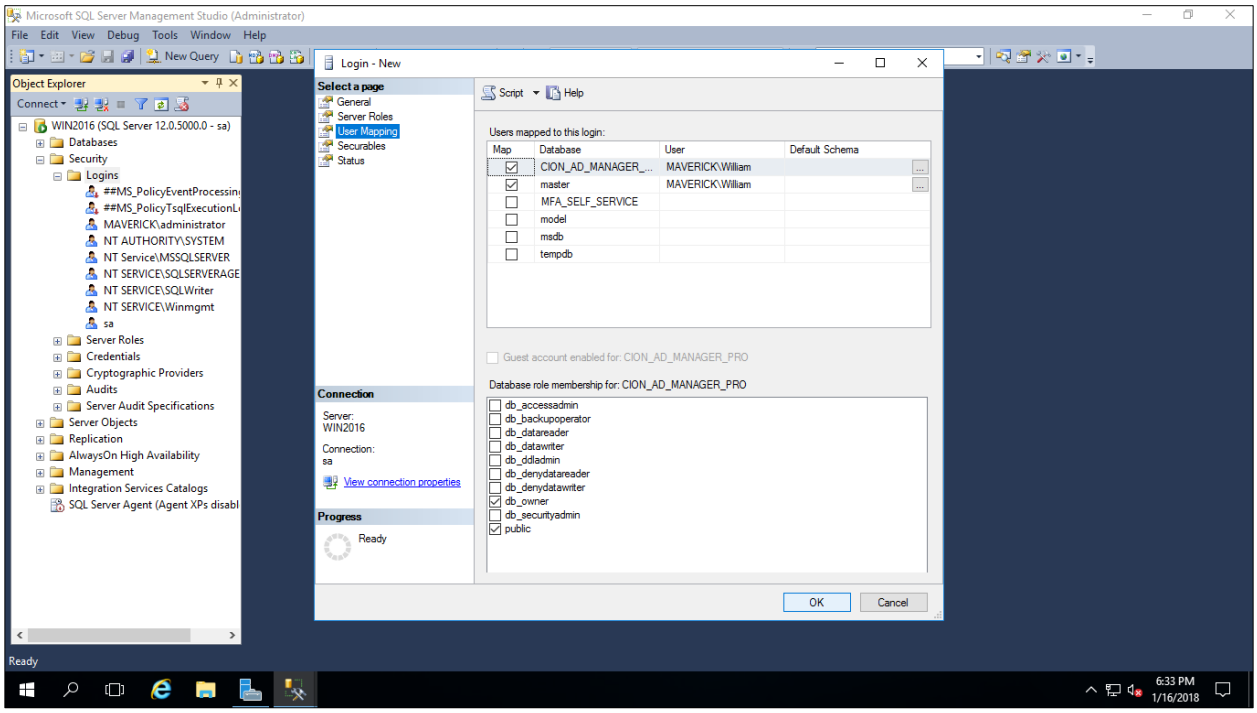
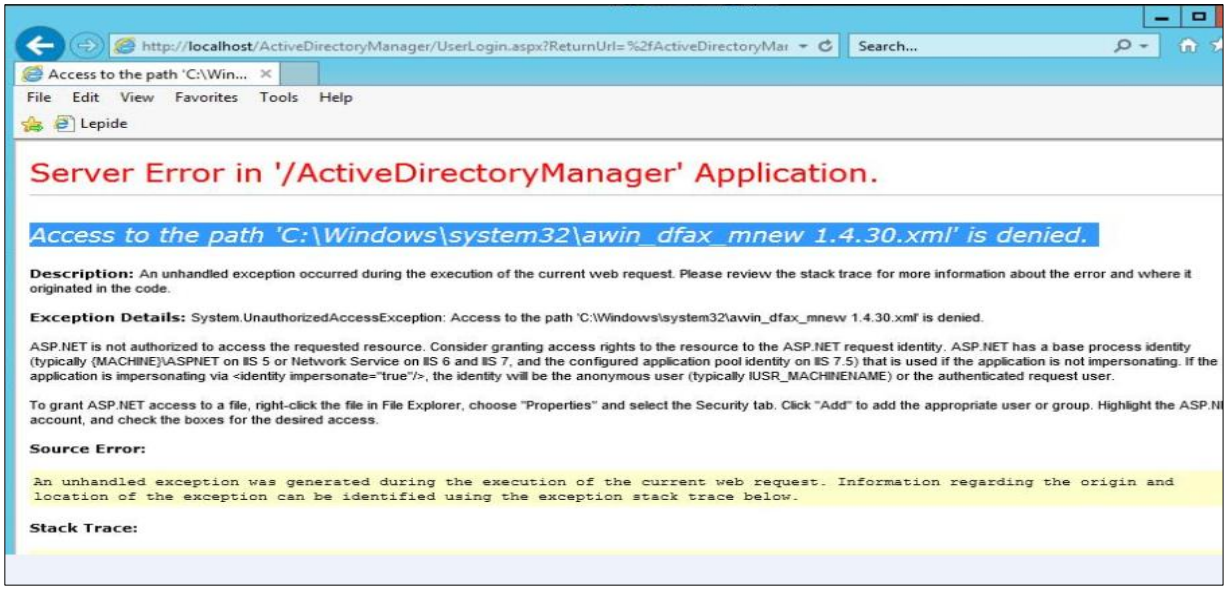
Click on OK button. Right click on the database and refresh it.

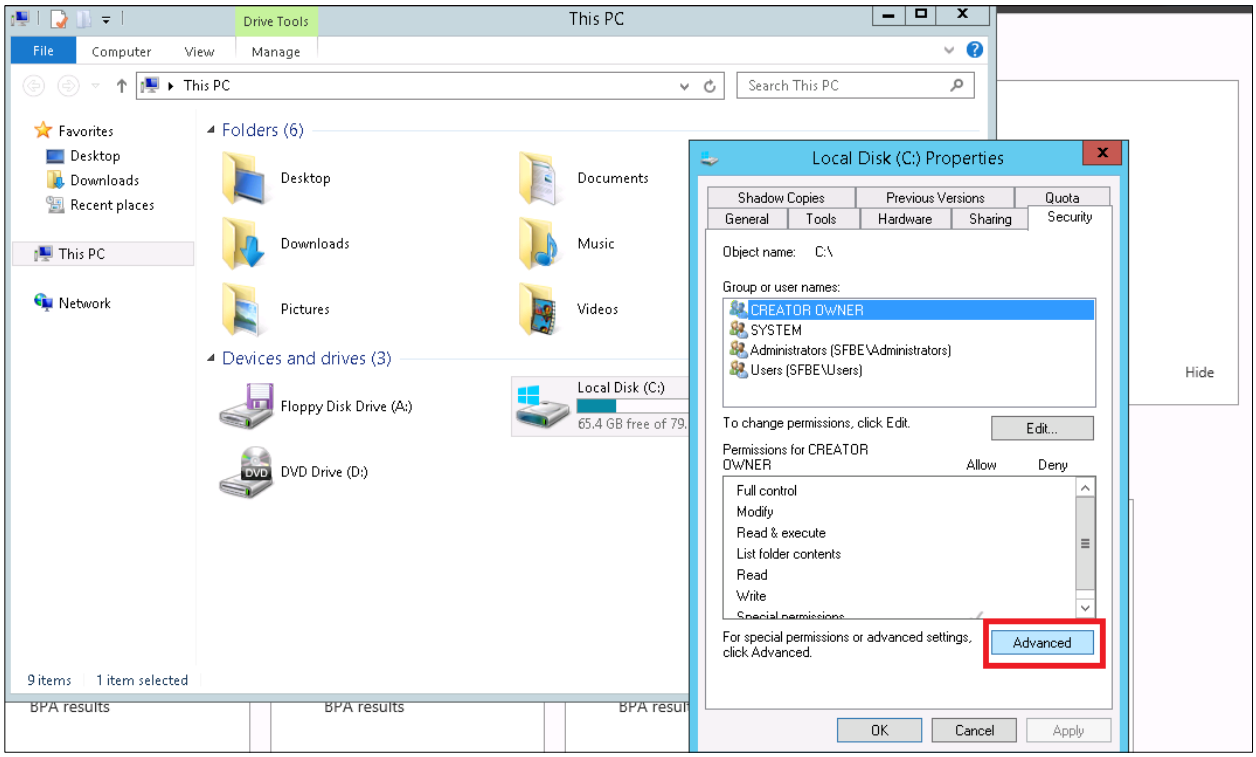


As mentioned above we can add domain users (Local Admin) details who are trying to install our applications in Windows Authentication in Local PC or Accessing database remotely from another system need to follow the same steps in SQL.

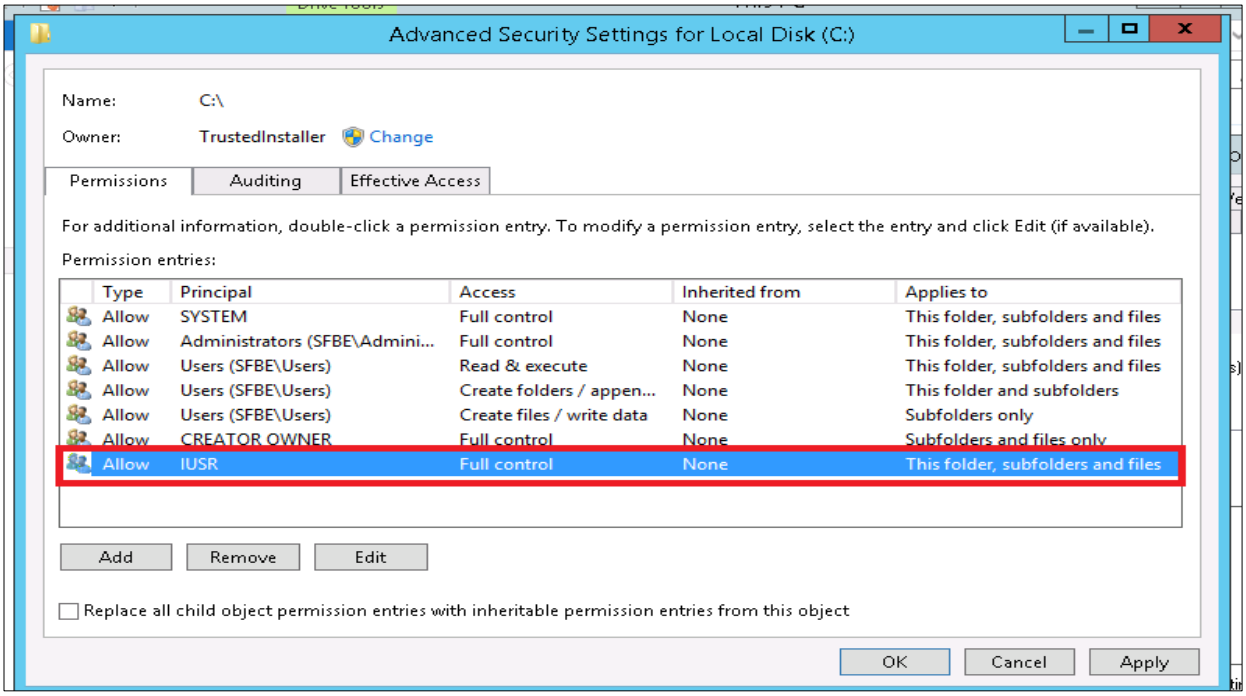
After Installing application with windows Authentication if you get below Error then we have to give some permission



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



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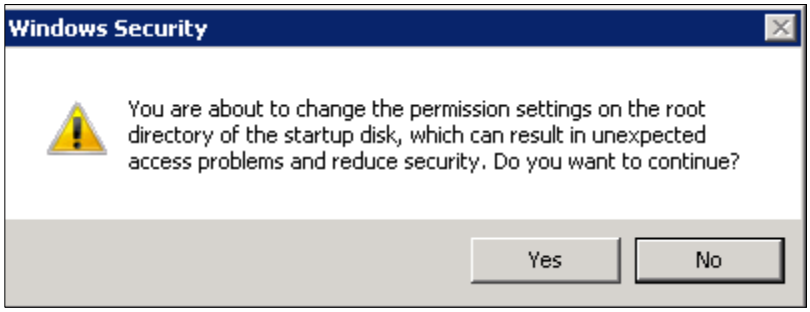
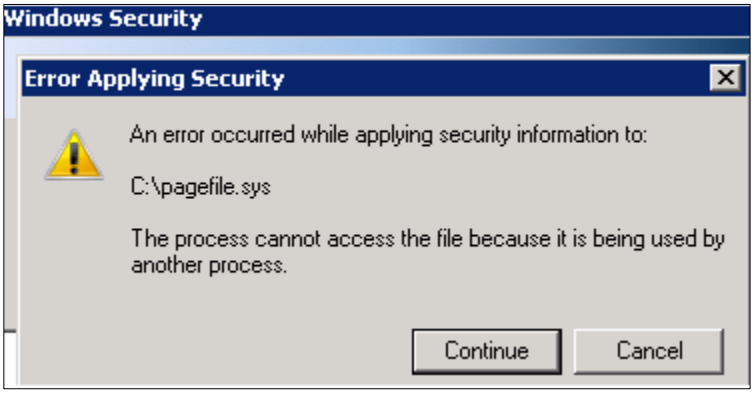


Click on Yes, some popups will display as below



Click on Continue for all popup messages until process finish and click on OK button.

Do iisreset and then try opening the application.

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