Techcello Deployment Guide

Business Edition – 4.3.1.1

Applicable to CelloSaaS Version: 4.3.1.1

techcello

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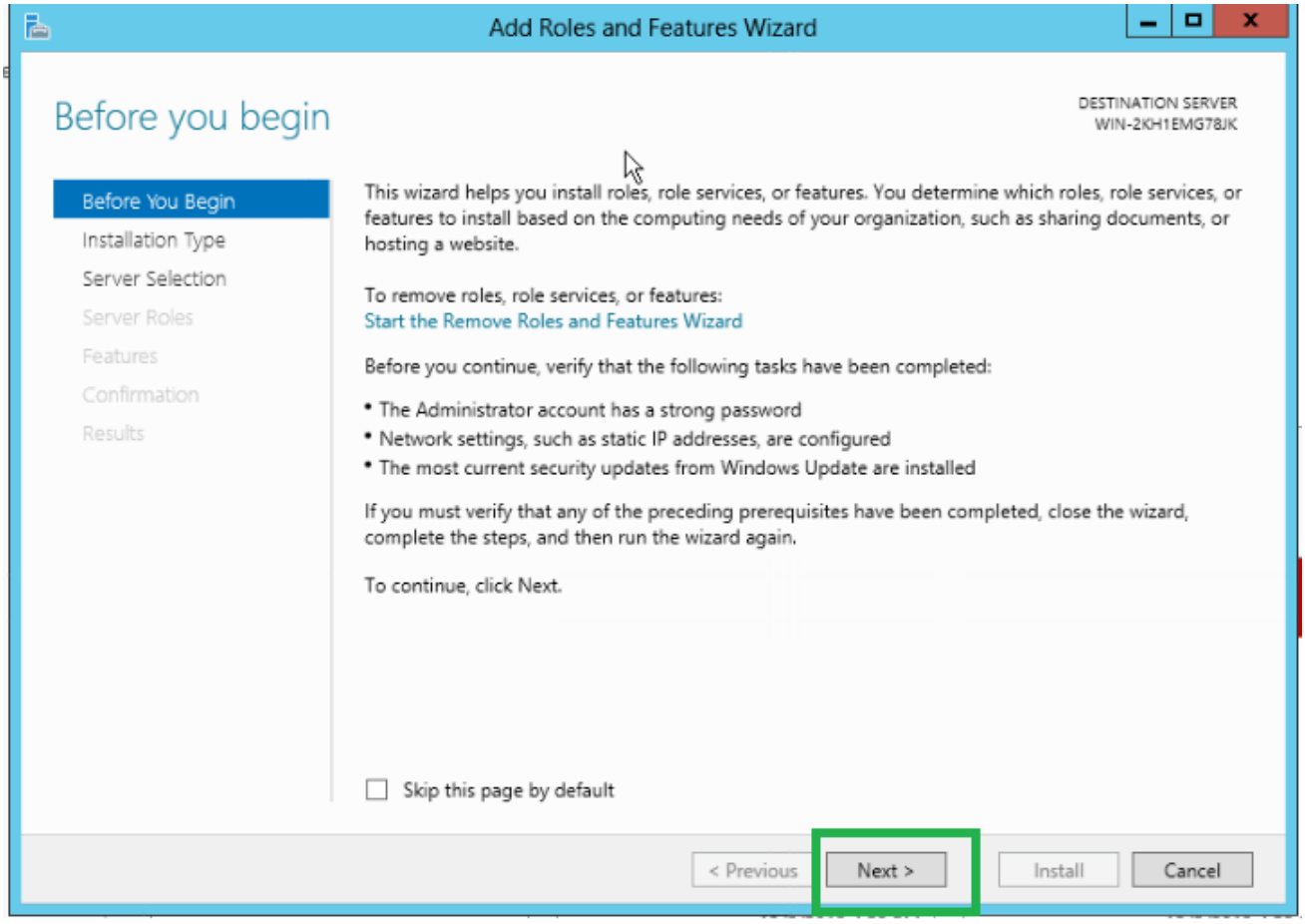
1. Windows Server Setup

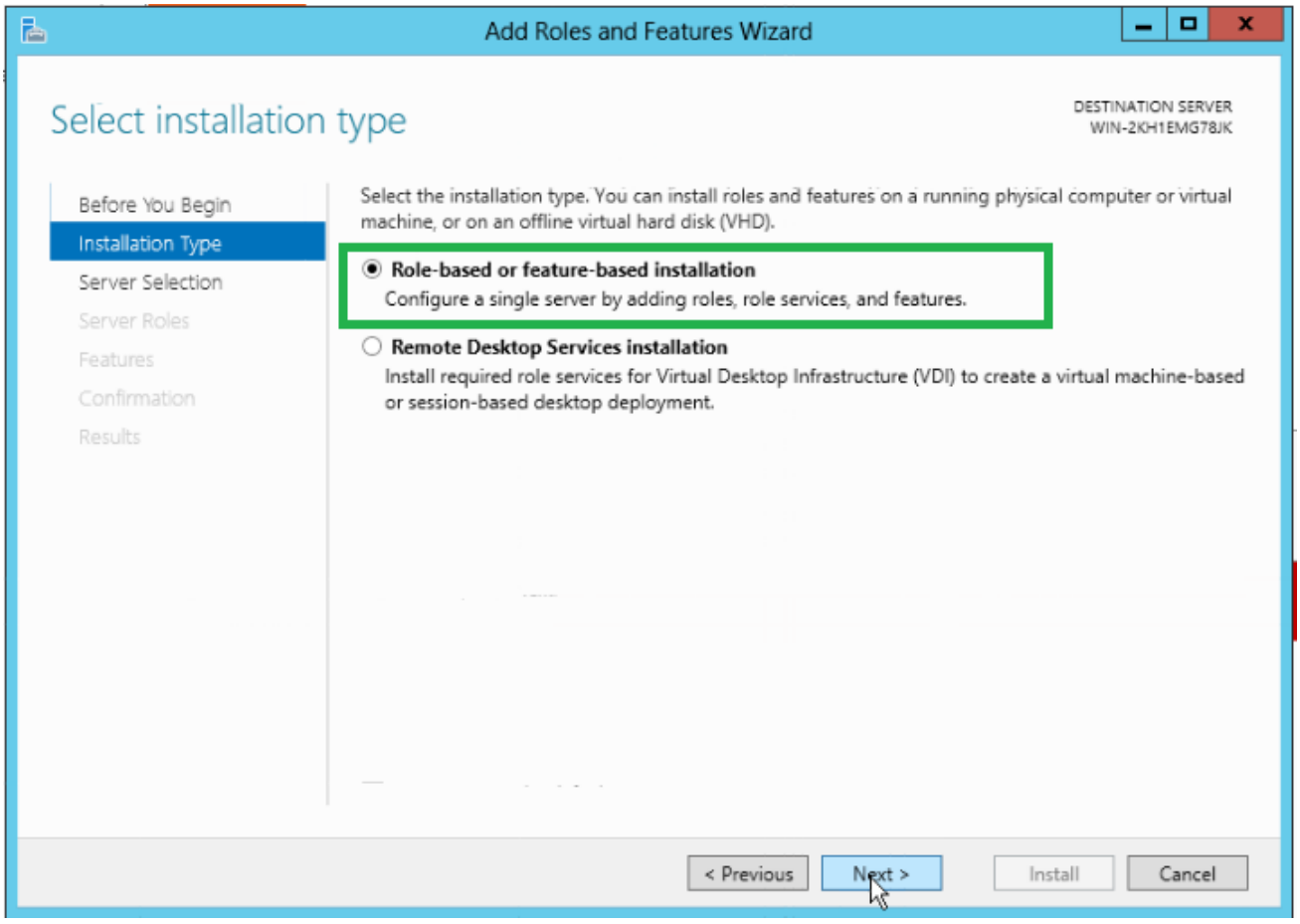
The following steps illustrate the initial set up of the server to ensure the IIS and ASP.Net 4.5 and WCF configurations for the server are setup and configured ready for hosting the Application / WCF Services for Windows Server 2012 version

a. Login to the server and open the Server Manager

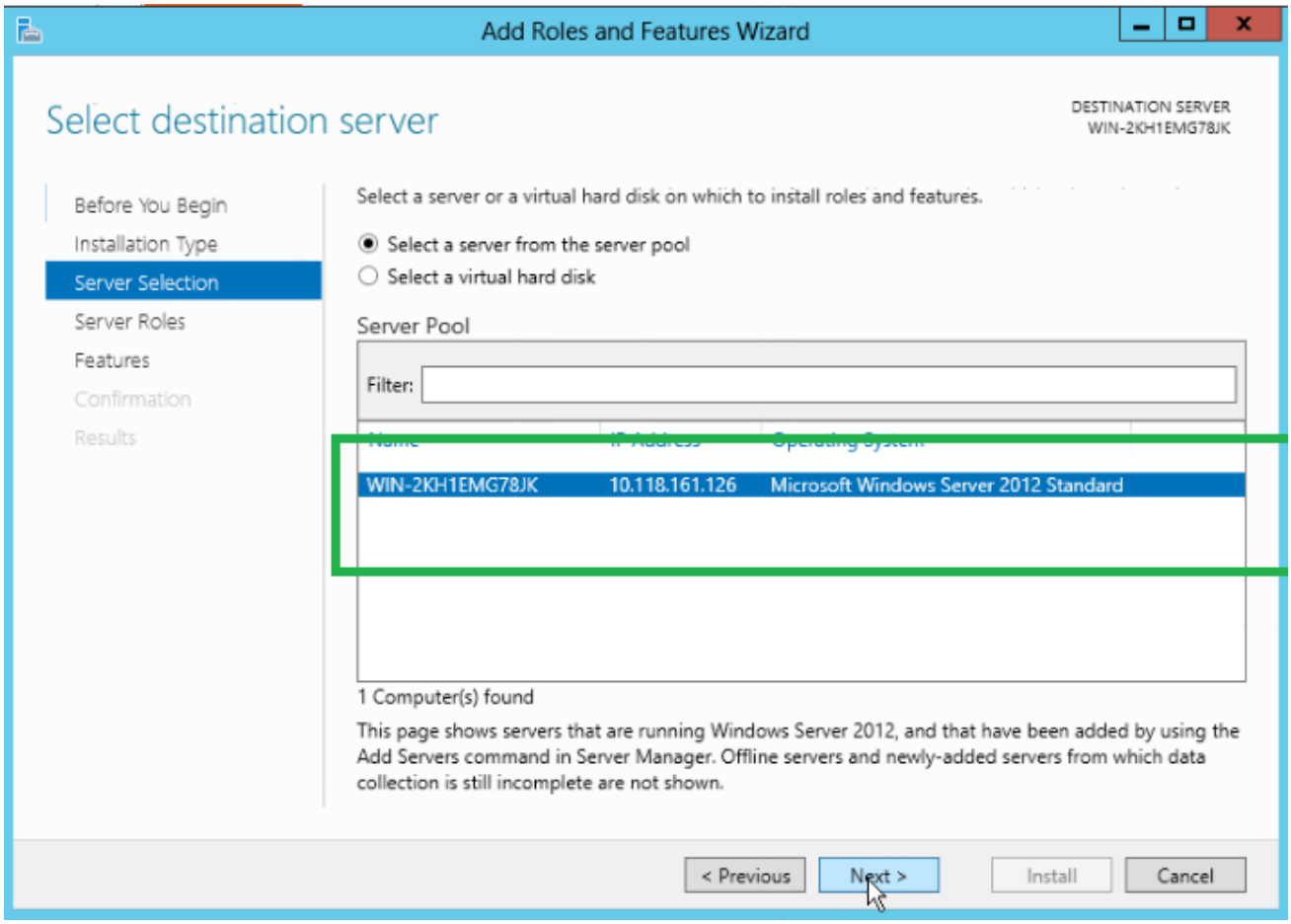
b. Click on the “Add Roles and Features” link in the Server dashboard as per the image given below,

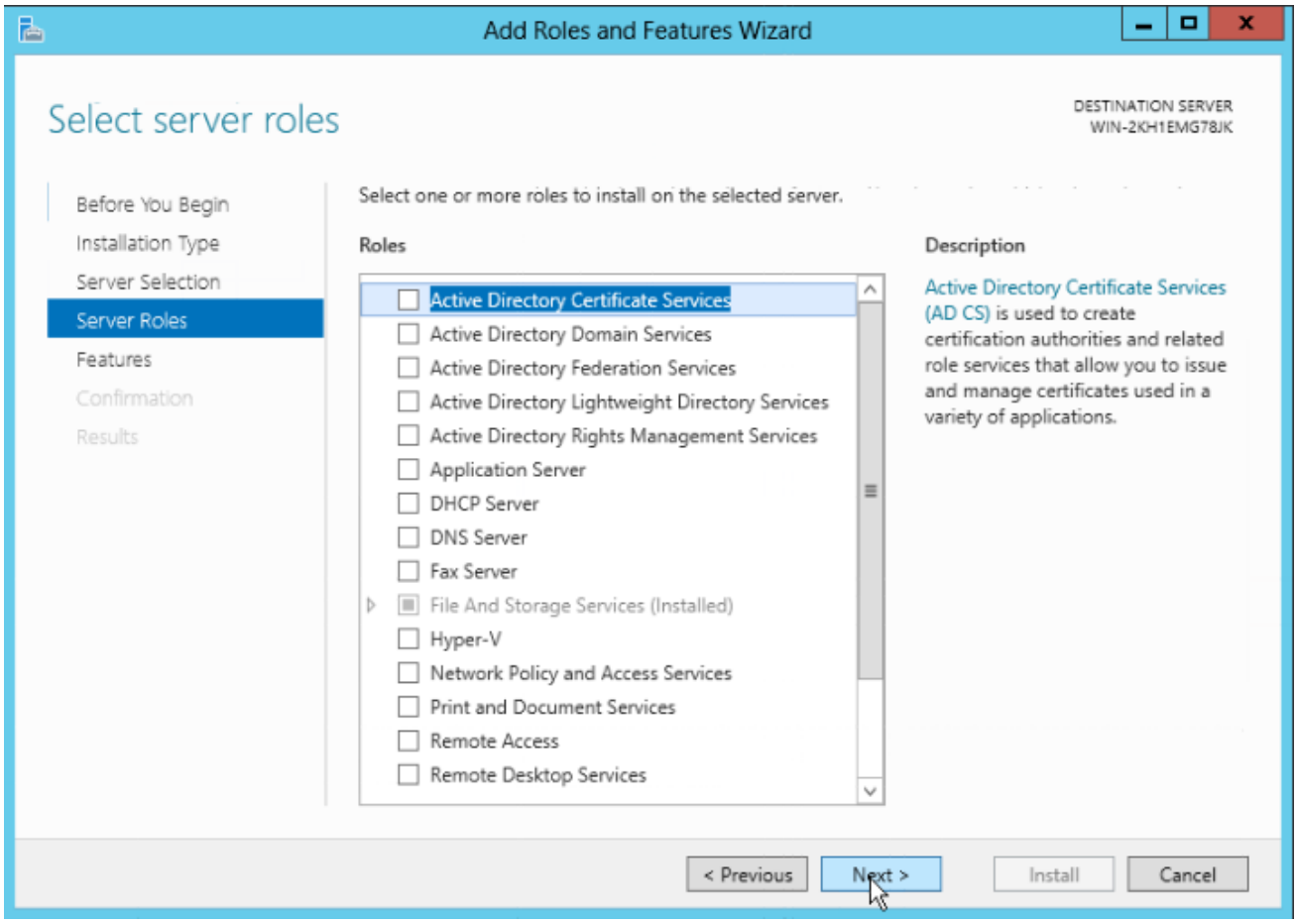


Select the role based or feature based installation as below,

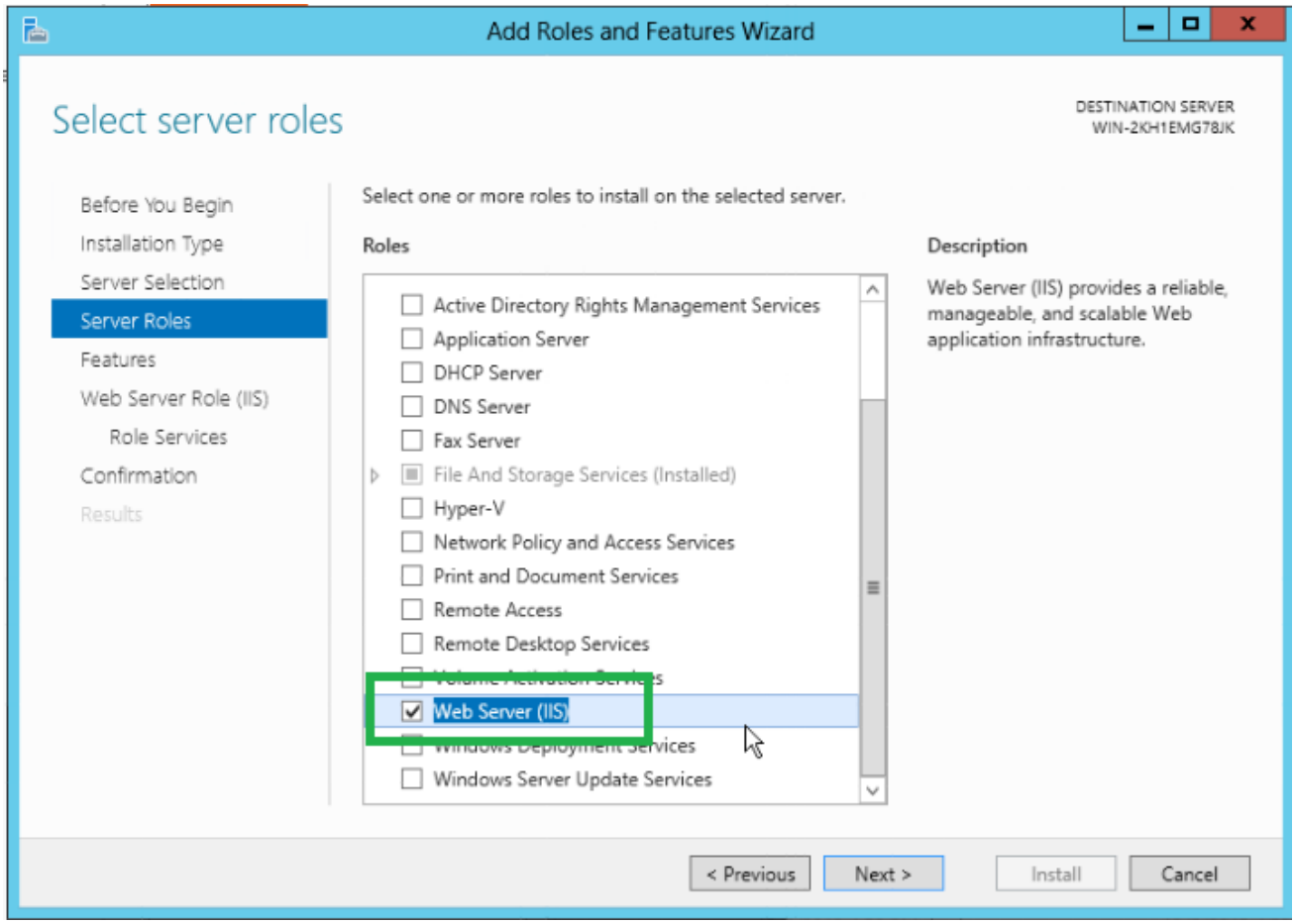


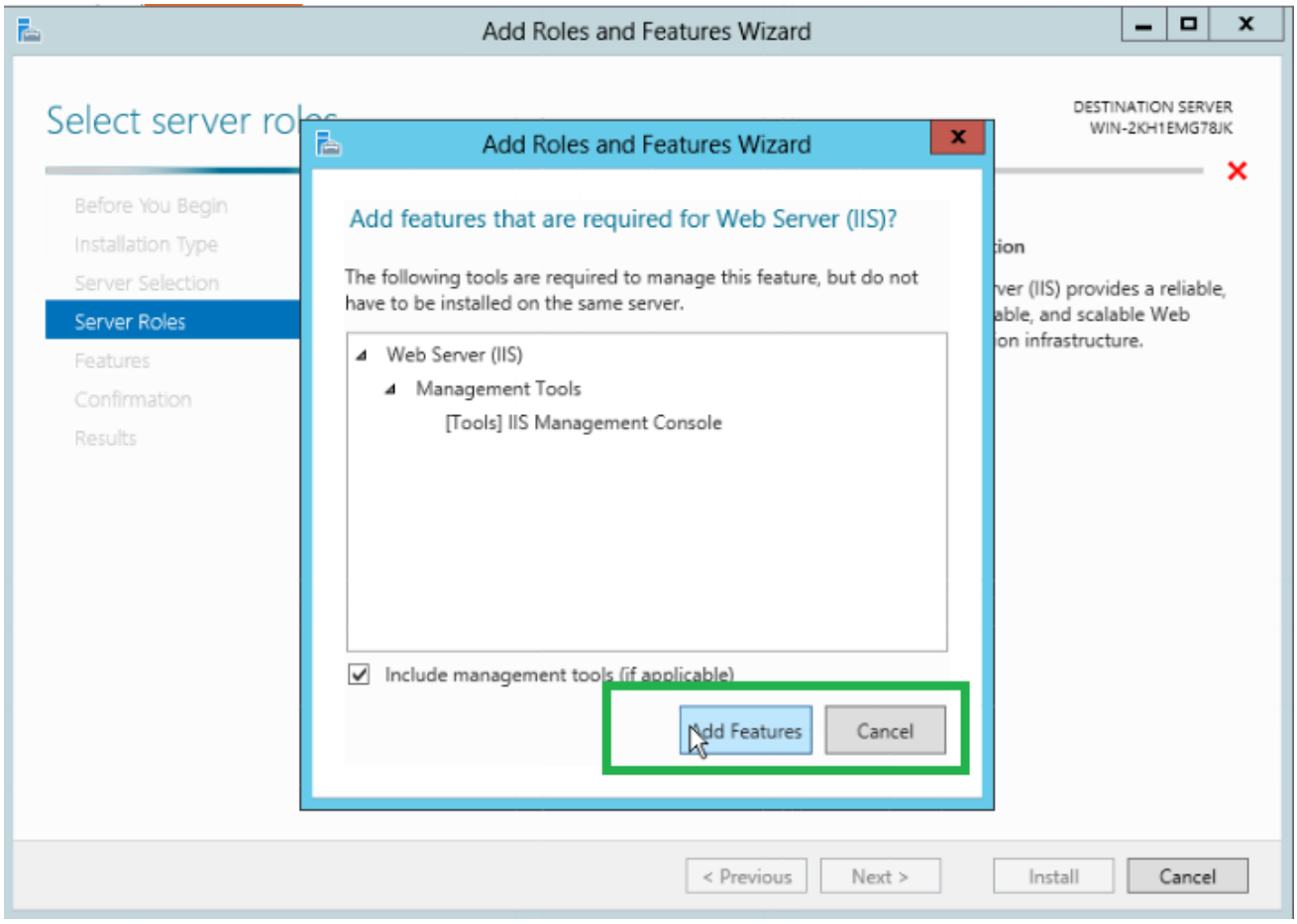
Choose the server from the server pool

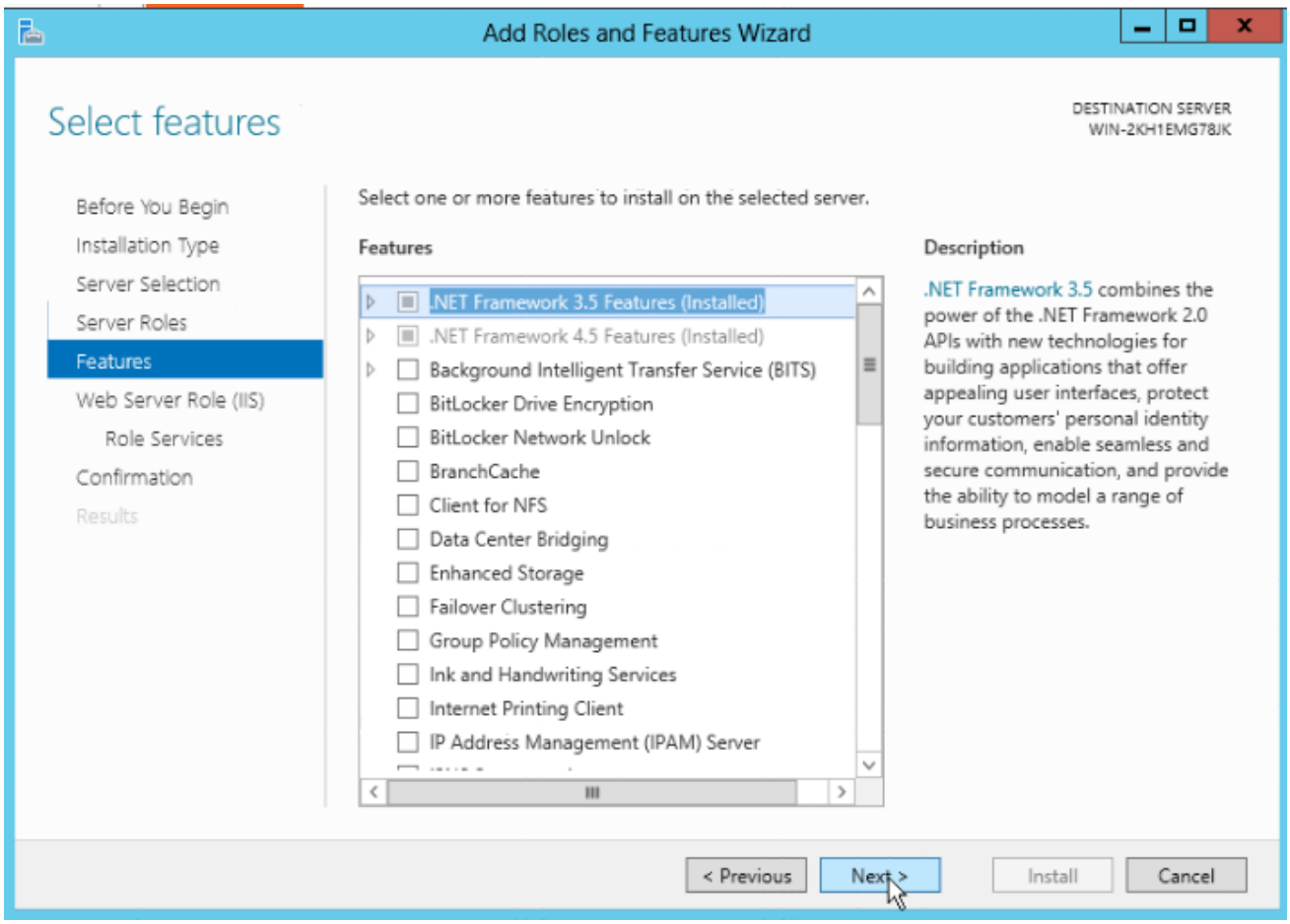

Add Roles and Features Wizard
Select destination server
DESTINATION SERVER
WIN-2KH1EMG78JK
Before You Begin
Installation Type
Server Selection
Server Roles
Features
Confirmation
Results
Select a server or a virtual hard disk on which to install roles and features.
Select a server from the server pool
Select a virtual hard disk
Server Pool
Filter:
WIN-2KH1EMG78JK
10.118.161.126
Microsoft Windows Server 2012 Standard
1 Computer(s) found
This page shows servers that are running Windows Server 2012, and that have been added by using the Add Servers command in Server Manager. Offline servers and newly-added servers from which data collection is still incomplete are not shown.
< Previous
Next >
Install
Cancel



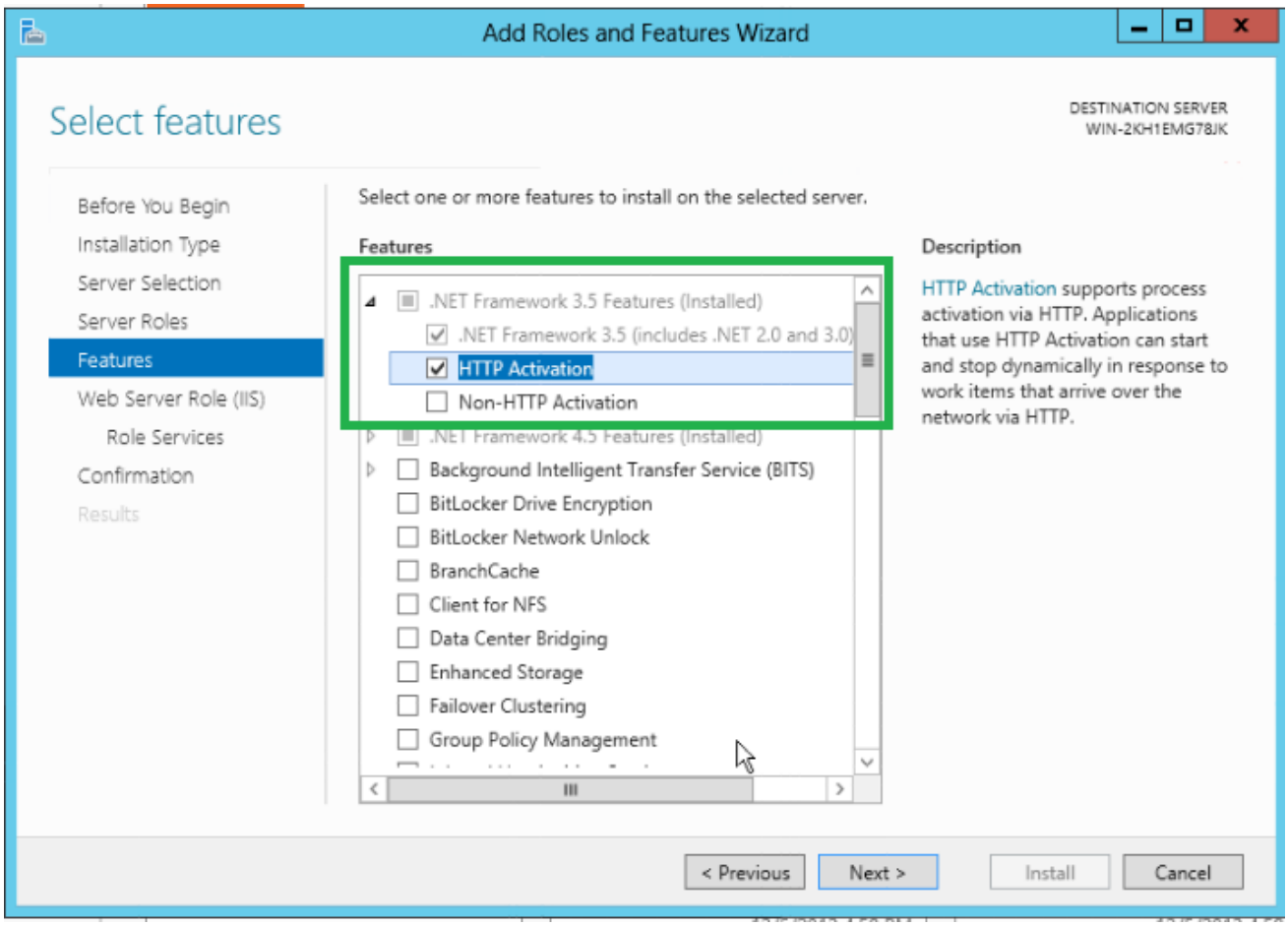
Review the features installed in the server as given below. If the Web Server [IIS] is not installed, add the feature.

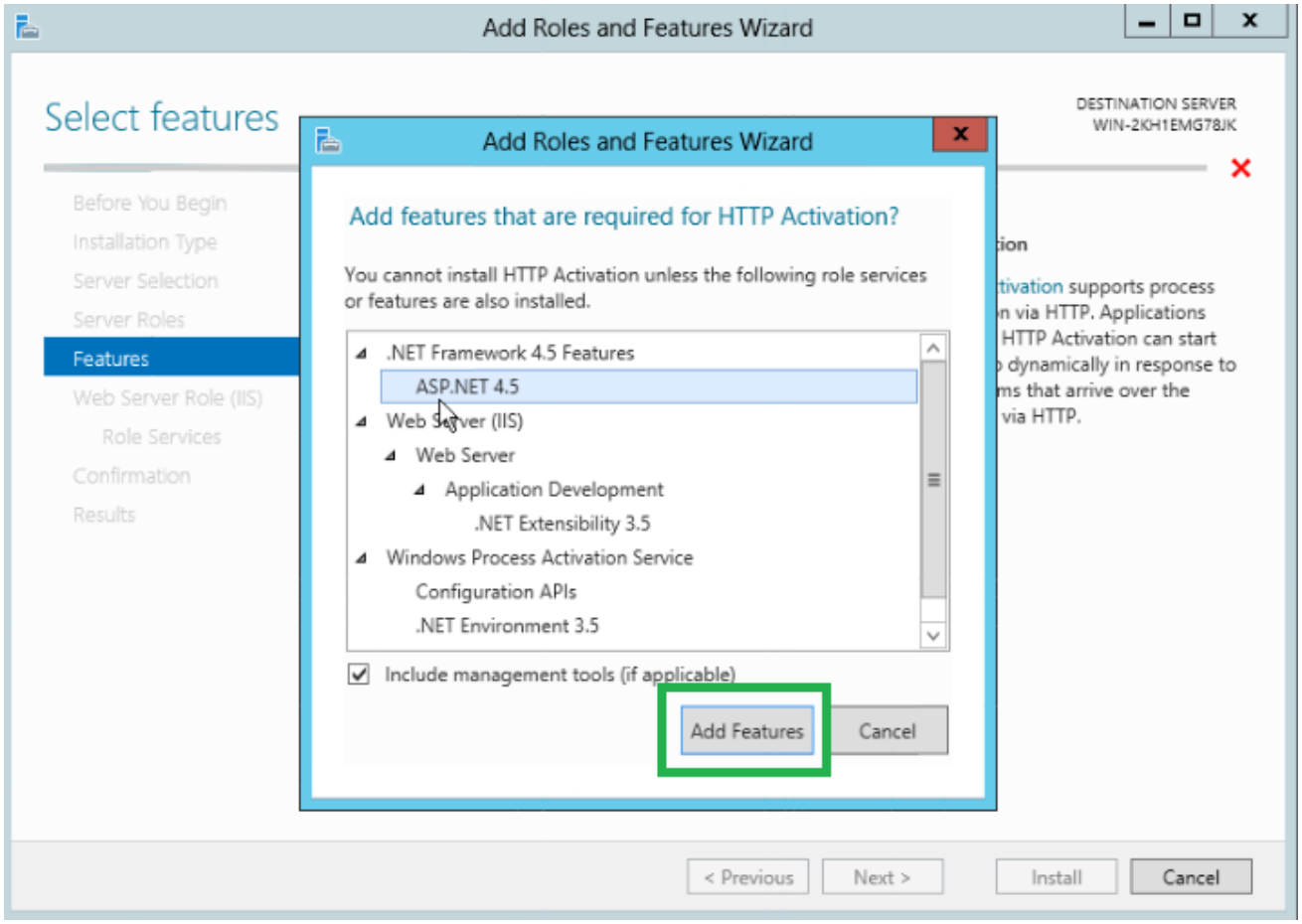

Add Roles and Features Wizard
Select server roles
DESTINATION SERVER
WIN-2KH1EMG78JK
Before You Begin
Installation Type
Server Selection
Server Roles
Features
Web Server Role (IIS)
Role Services
Confirmation
Results
Select one or more roles to install on the selected server.
Roles
Active Directory Rights Management Services
Application Server
DHCP Server
DNS Server
Fax Server
File And Storage Services (Installed)
Hyper-V
Network Policy and Access Services
Print and Document Services
Remote Access
Remote Desktop Services
Web Server (IIS)
Windows Server Update Services
Description
Web Server (IIS) provides a reliable, manageable, and scalable Web application infrastructure.
< Previous
Next >
Install
Cancel

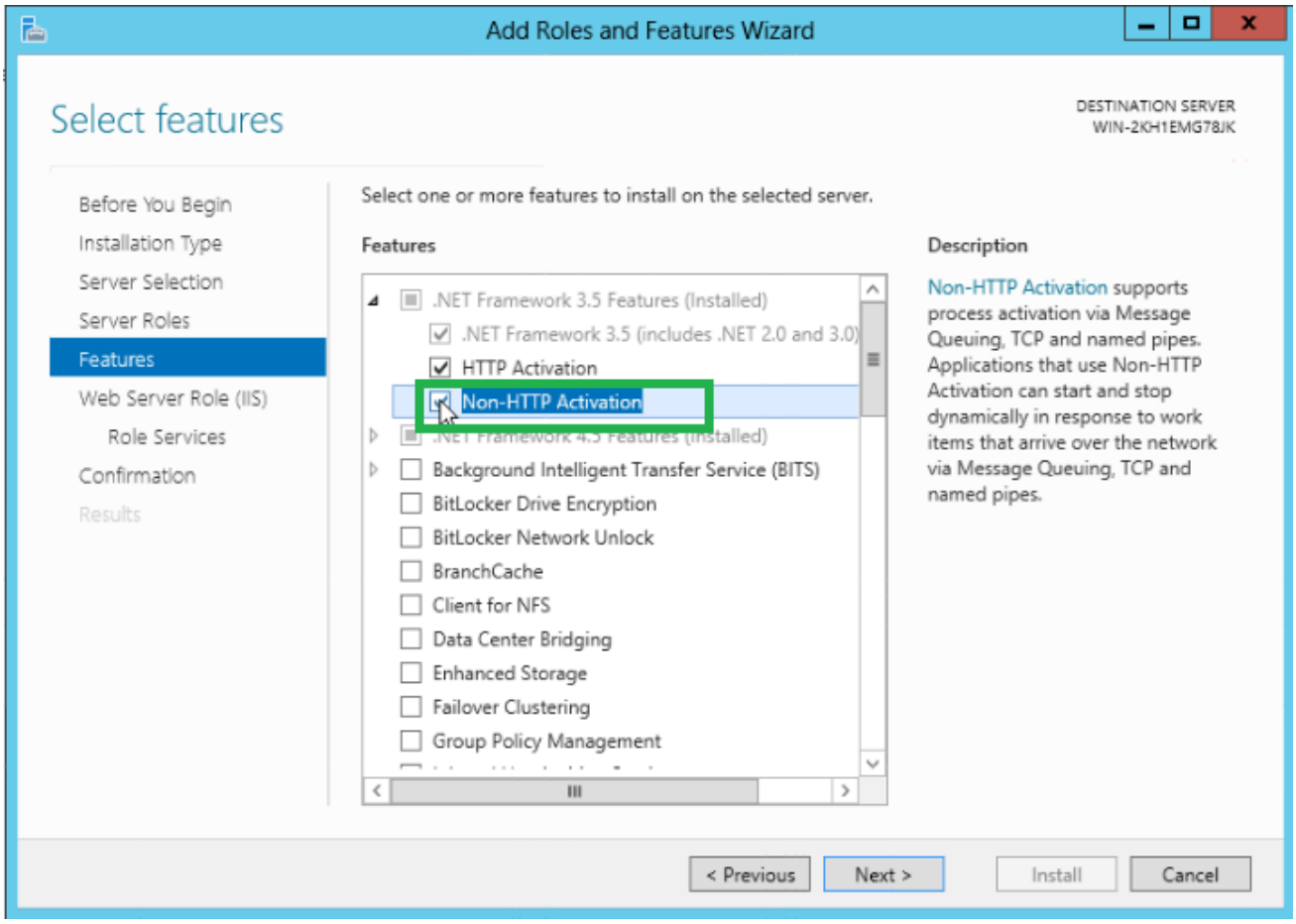

Add Roles and Features Wizard
Select server roles
DESTINATION SERVER
WIN-2KH1EMG78JK
Before You Begin
Installation Type
Server Selection
Server Roles
Features
Confirmation
Results
Add Roles and Features Wizard
Add features that are required for Web Server (IIS)?
The following tools are required to manage this feature, but do not have to be installed on the same server.
Web Server (IIS)
Management Tools
[Tools] IIS Management Console
Include management tools (if applicable)
Add Features
Cancel
< Previous
Next >
Install
Cancel



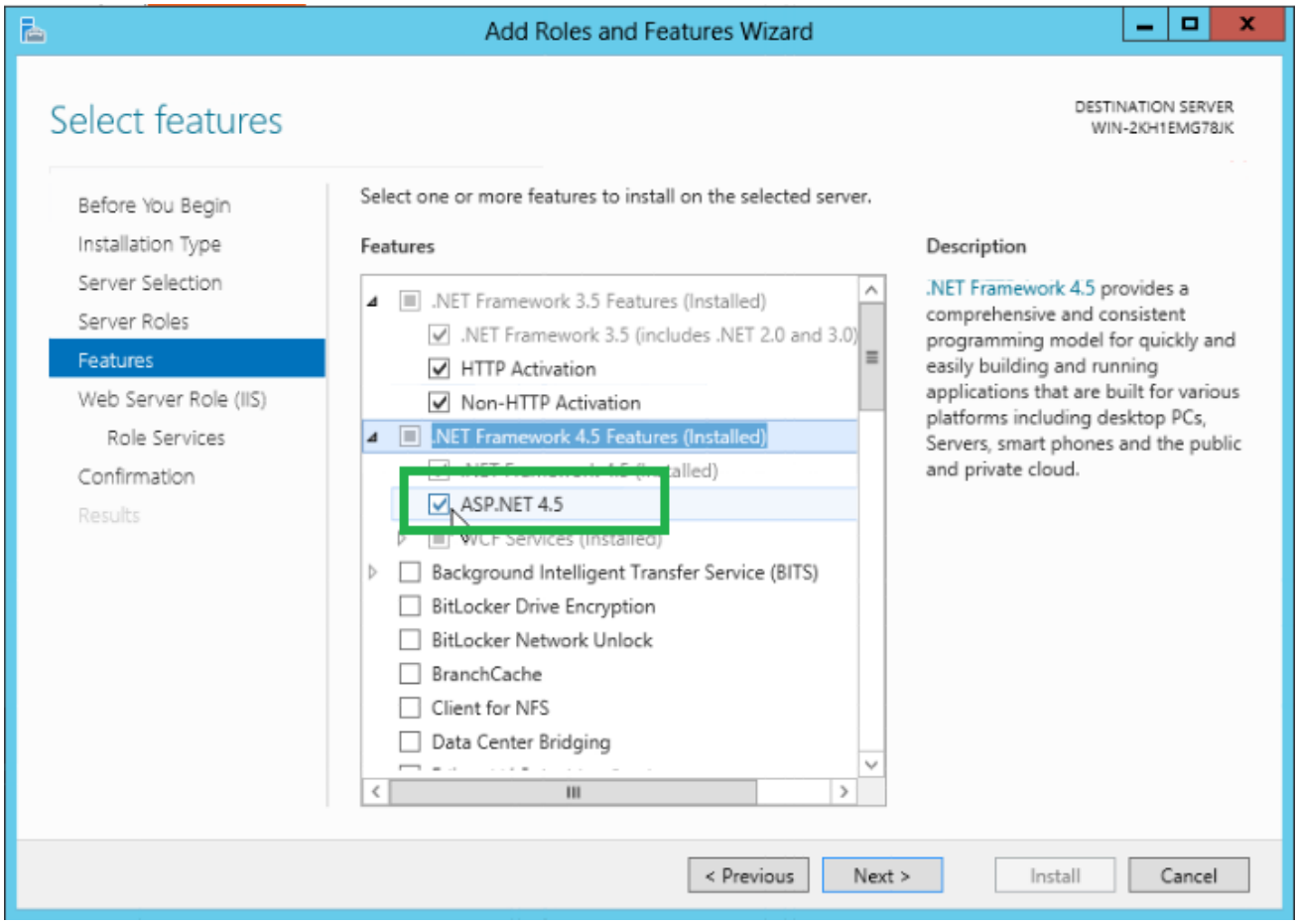
The HTTP and non-HTTP activation are to be enabled for the WCF to be operated with the HTTP and net.tcp end point bindings.


Add Roles and Features Wizard
Select features
DESTINATION SERVER
WIN-2KH1EMG78JK
Before You Begin
Installation Type
Server Selection
Server Roles
Features
Web Server Role (IIS)
Role Services
Confirmation
Results
Select one or more features to install on the selected server.
Features
.NET Framework 3.5 Features (Installed)
.NET Framework 3.5 (includes .NET 2.0 and 3.0)
HTTP Activation
Non-HTTP Activation
.NET Framework 4.5 Features (Installed)
Background Intelligent Transfer Service (BITS)
BitLocker Drive Encryption
BitLocker Network Unlock
BranchCache
Client for NFS
Data Center Bridging
Enhanced Storage
Failover Clustering
Group Policy Management
Description
HTTP Activation supports process activation via HTTP. Applications that use HTTP Activation can start and stop dynamically in response to work items that arrive over the network via HTTP.
< Previous
Next >
Install
Cancel

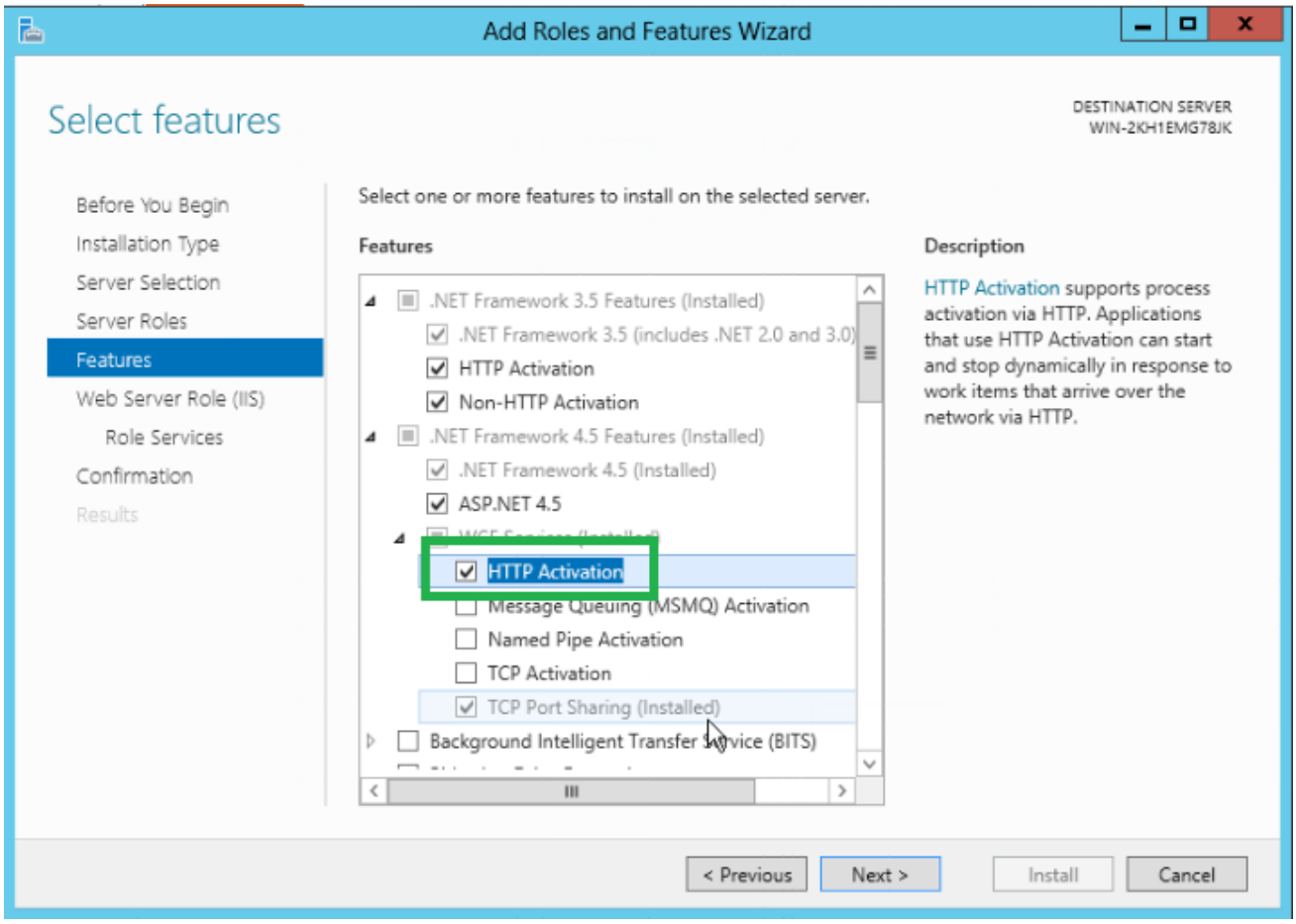

Add Roles and Features Wizard
Select features
DESTINATION SERVER
WIN-2KH1EMG78JK
Before You Begin
Installation Type
Server Selection
Server Roles
Features
Web Server Role (IIS)
Role Services
Confirmation
Results
Add Roles and Features Wizard
Add features that are required for HTTP Activation?
You cannot install HTTP Activation unless the following role services or features are also installed.
.NET Framework 4.5 Features
ASP.NET 4.5
Web Server (IIS)
Web Server
Application Development
.NET Extensibility 3.5
Windows Process Activation Service
Configuration APIs
.NET Environment 3.5
Include management tools (if applicable)
Add Features
Cancel
< Previous
Next >
Install
Cancel

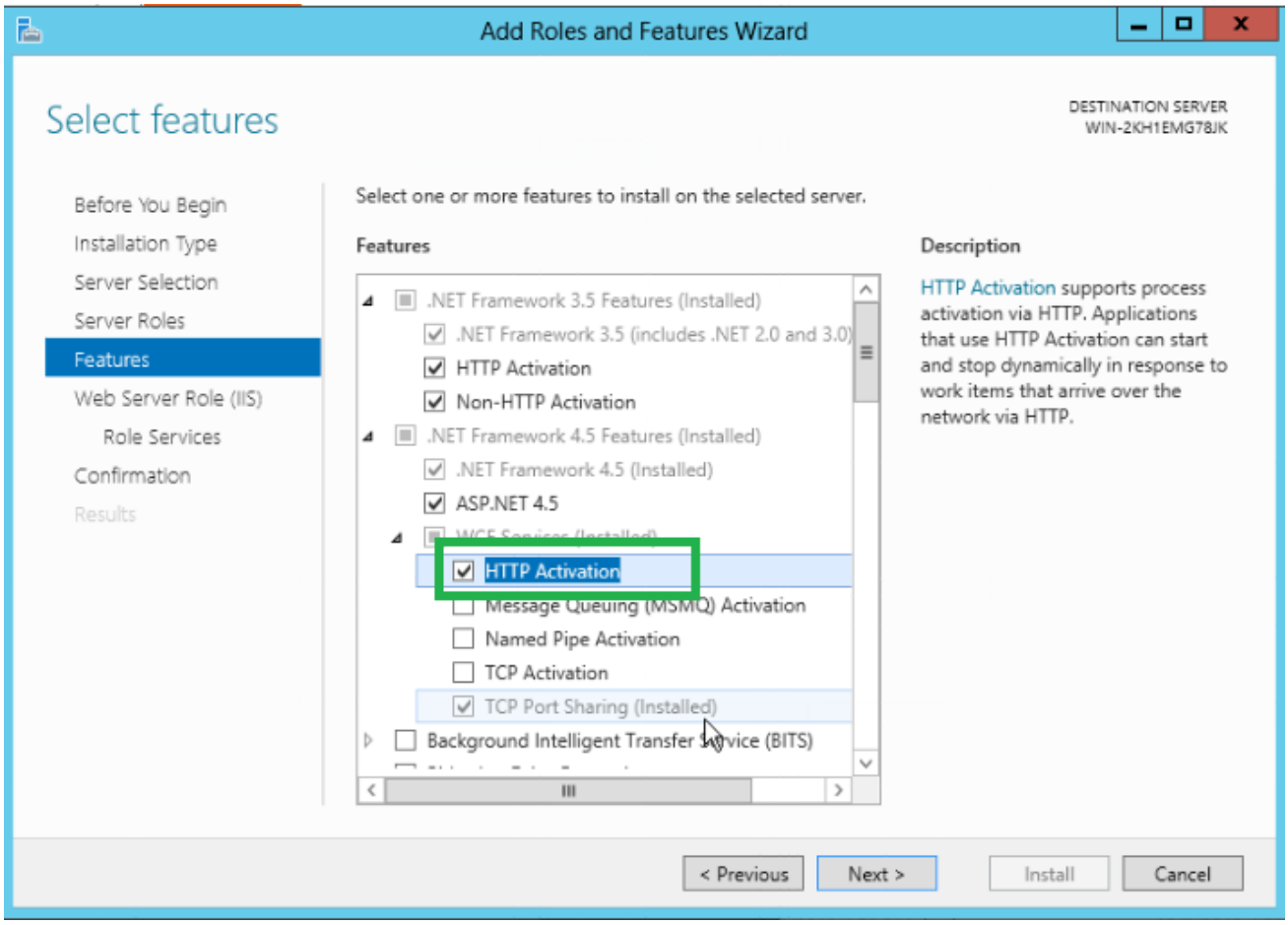


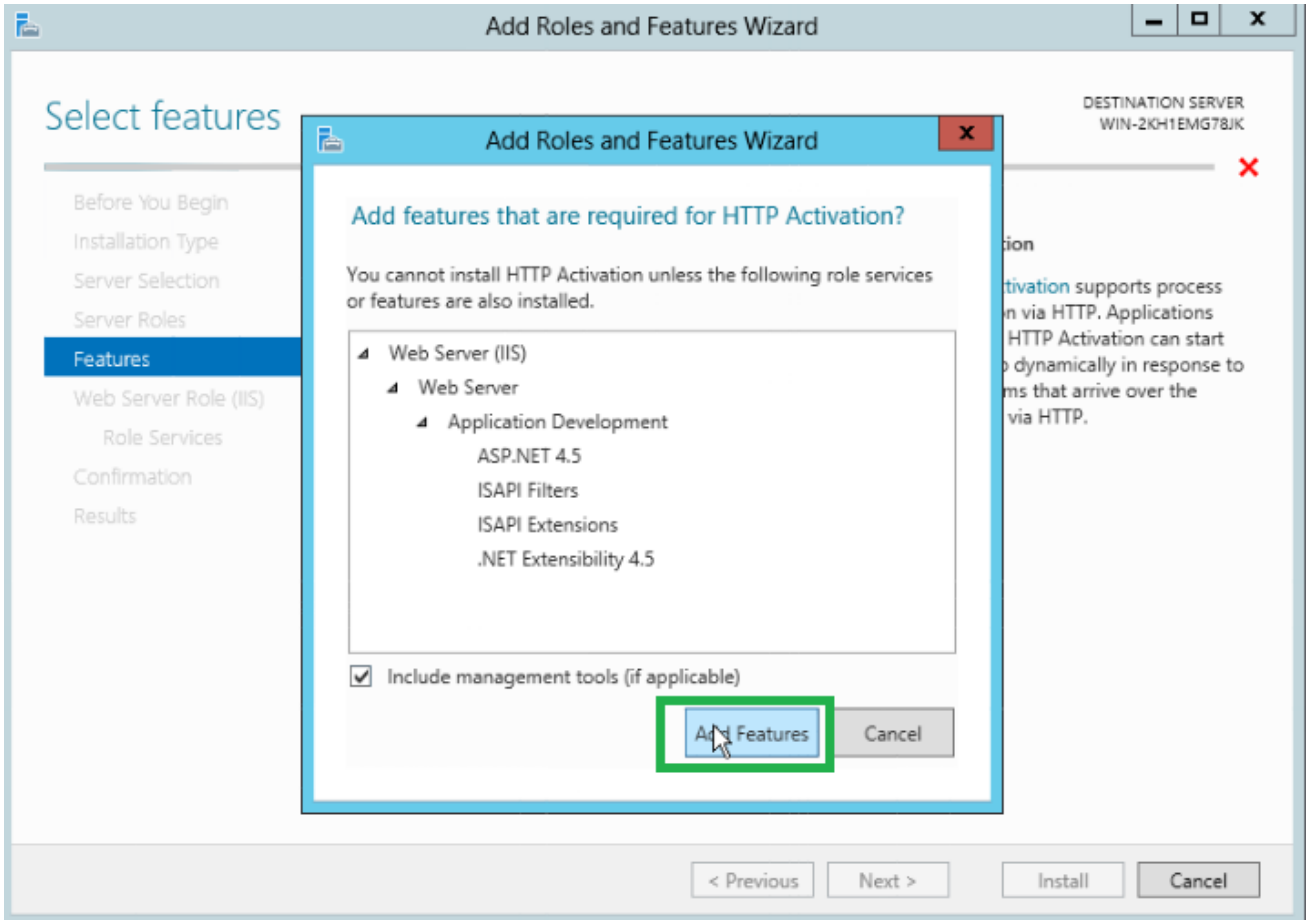
Ensure that ASP.Net 4.5 is installed and is registered with IIS to be support the web application to be hosted.



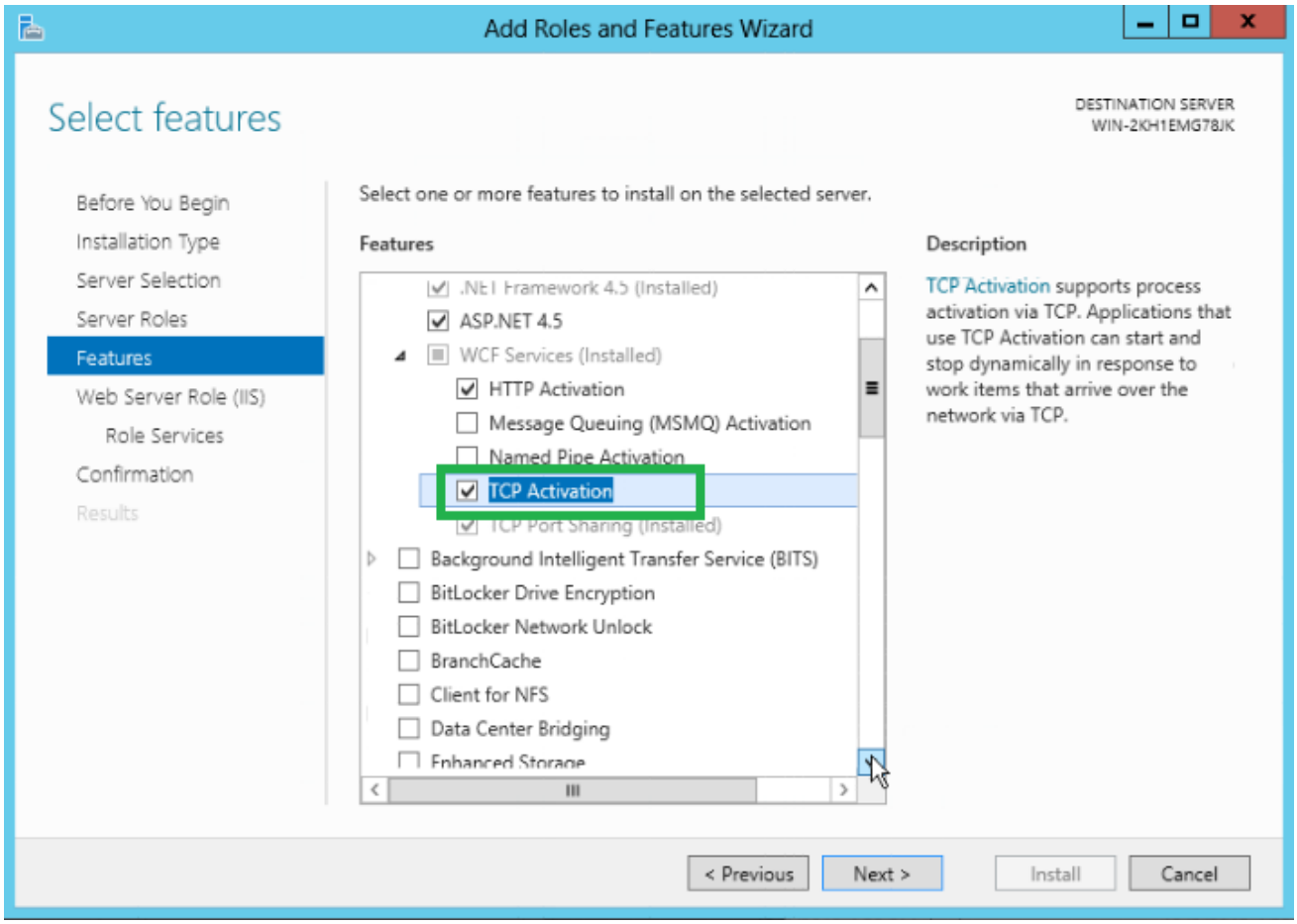
Ensure that the HTTP Activation and the TCP Activation are enabled in the WCF Services so that the services can expose the endpoints with the HTTP and the net.tcp protocols.


Add Roles and Features Wizard
Select features
DESTINATION SERVER
WIN-2KH1EMG78JK
Before You Begin
Installation Type
Server Selection
Server Roles
Features
Web Server Role (IIS)
Role Services
Confirmation
Results
Select one or more features to install on the selected server.
Features
.NET Framework 3.5 Features (Installed)
.NET Framework 3.5 (includes .NET 2.0 and 3.0)
HTTP Activation
Non-HTTP Activation
.NET Framework 4.5 Features (Installed)
.NET Framework 4.5 (Installed)
ASP.NET 4.5
HTTP Activation
Message Queuing (MSMQ) Activation
Named Pipe Activation
TCP Activation
TCP Port Sharing (Installed)
Background Intelligent Transfer Service (BITS)
Description
HTTP Activation supports process activation via HTTP. Applications that use HTTP Activation can start and stop dynamically in response to work items that arrive over the network via HTTP.
< Previous
Next >
Install
Cancel

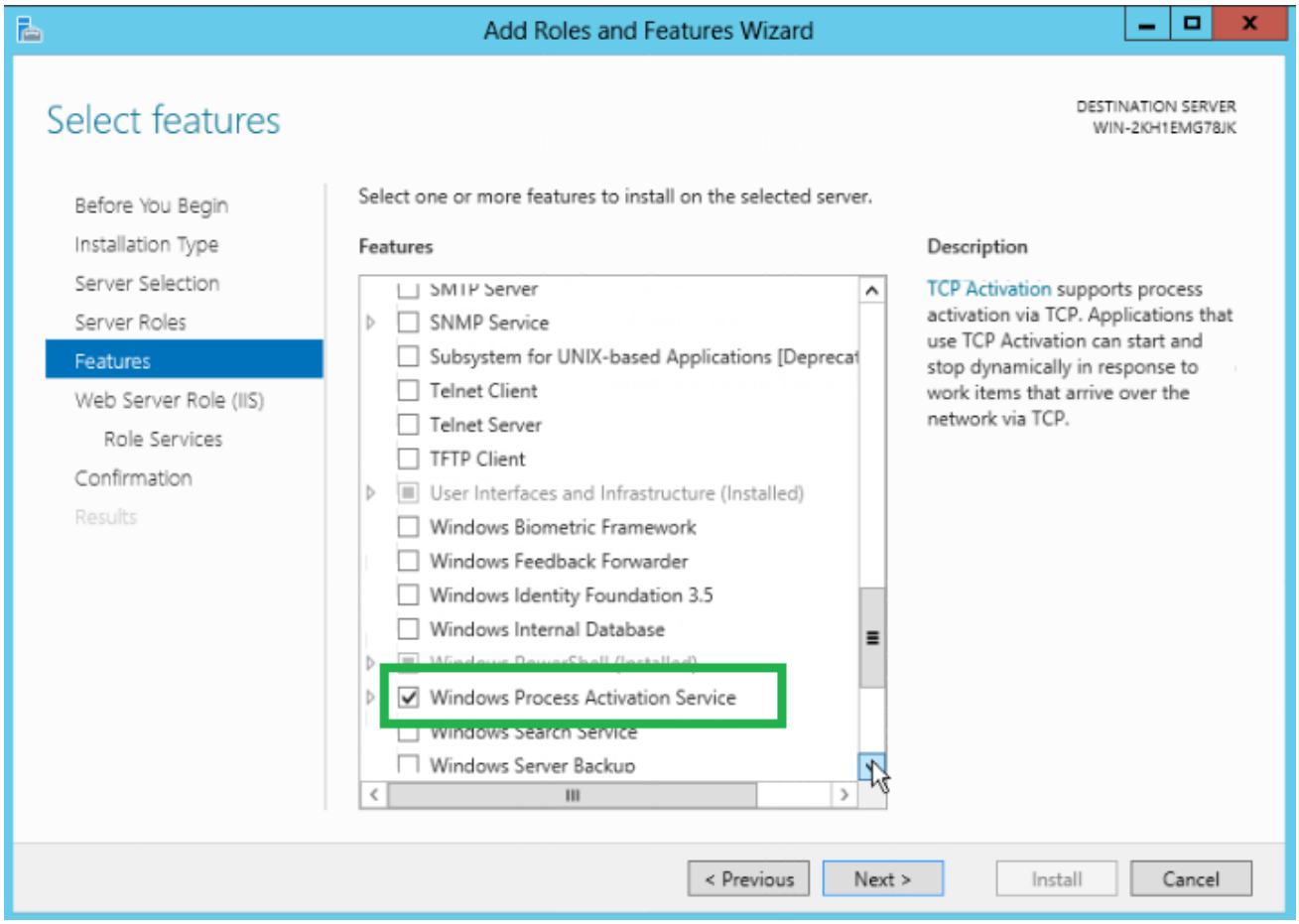

Add Roles and Features Wizard
Select features
DESTINATION SERVER
WIN-2KH1EMG78JK
Before You Begin
Installation Type
Server Selection
Server Roles
Features
Web Server Role (IIS)
Role Services
Confirmation
Results
Select one or more features to install on the selected server.
Features
.NET Framework 3.5 Features (Installed)
.NET Framework 3.5 (includes .NET 2.0 and 3.0)
HTTP Activation
Non-HTTP Activation
.NET Framework 4.5 Features (Installed)
.NET Framework 4.5 (Installed)
ASP.NET 4.5
HTTP Activation
Message Queuing (MSMQ) Activation
Named Pipe Activation
TCP Activation
TCP Port Sharing (Installed)
Background Intelligent Transfer Service (BITS)
Description
HTTP Activation supports process activation via HTTP. Applications that use HTTP Activation can start and stop dynamically in response to work items that arrive over the network via HTTP.
< Previous
Next >
Install
Cancel

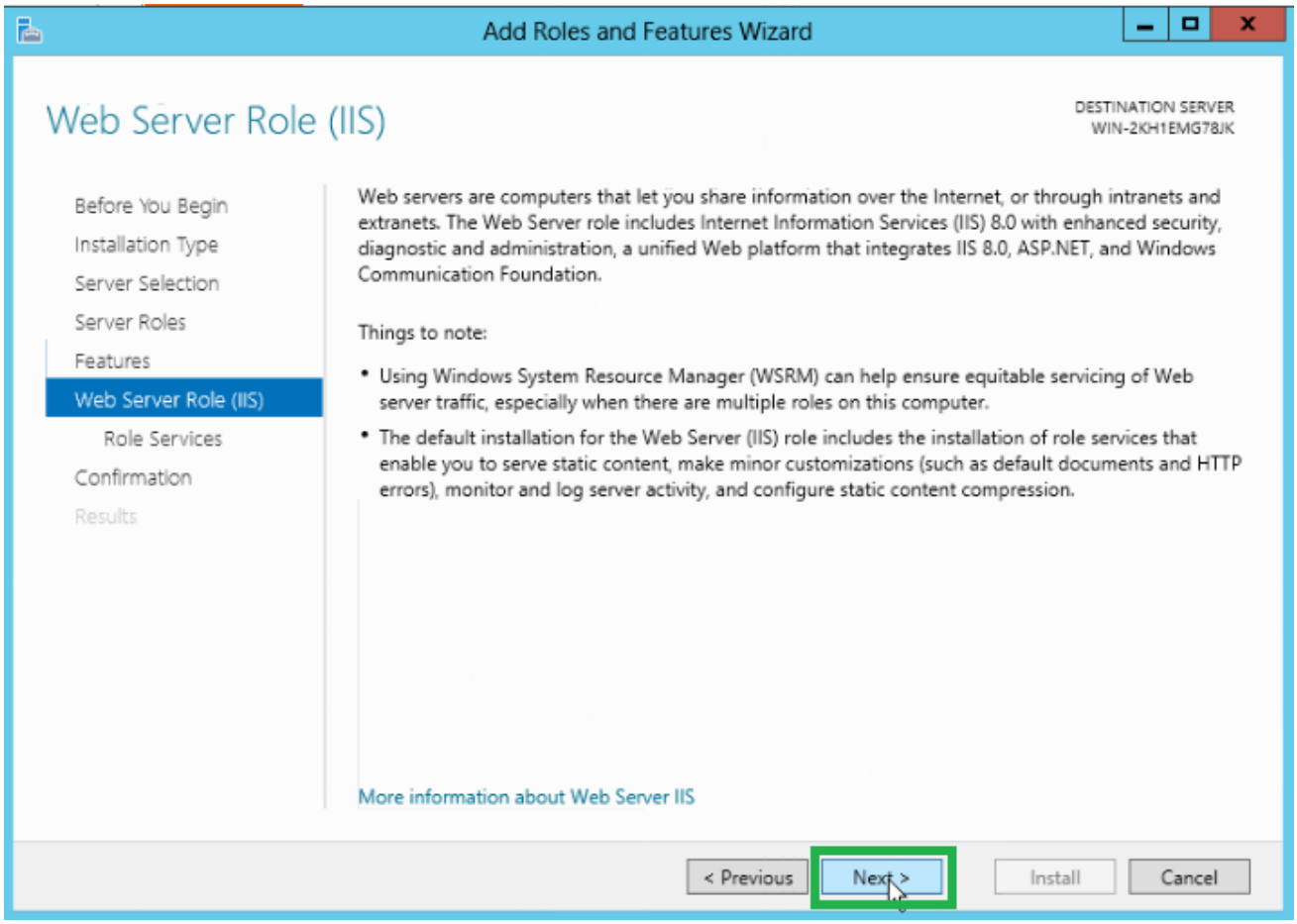

Add Roles and Features Wizard
Select features
DESTINATION SERVER
WIN-2KH1EMG78JK
Before You Begin
Installation Type
Server Selection
Server Roles
Features
Web Server Role (IIS)
Role Services
Confirmation
Results
Add Roles and Features Wizard
Add features that are required for HTTP Activation?
You cannot install HTTP Activation unless the following role services or features are also installed.
Web Server (IIS)
Web Server
Application Development
ASP.NET 4.5
ISAPI Filters
ISAPI Extensions
.NET Extensibility 4.5
Include management tools (if applicable)
Add Features
Cancel
< Previous
Next >
Install
Cancel

The TCP activation is optional incase of consuming the net.tcp end point binding in WCF, enable this option.

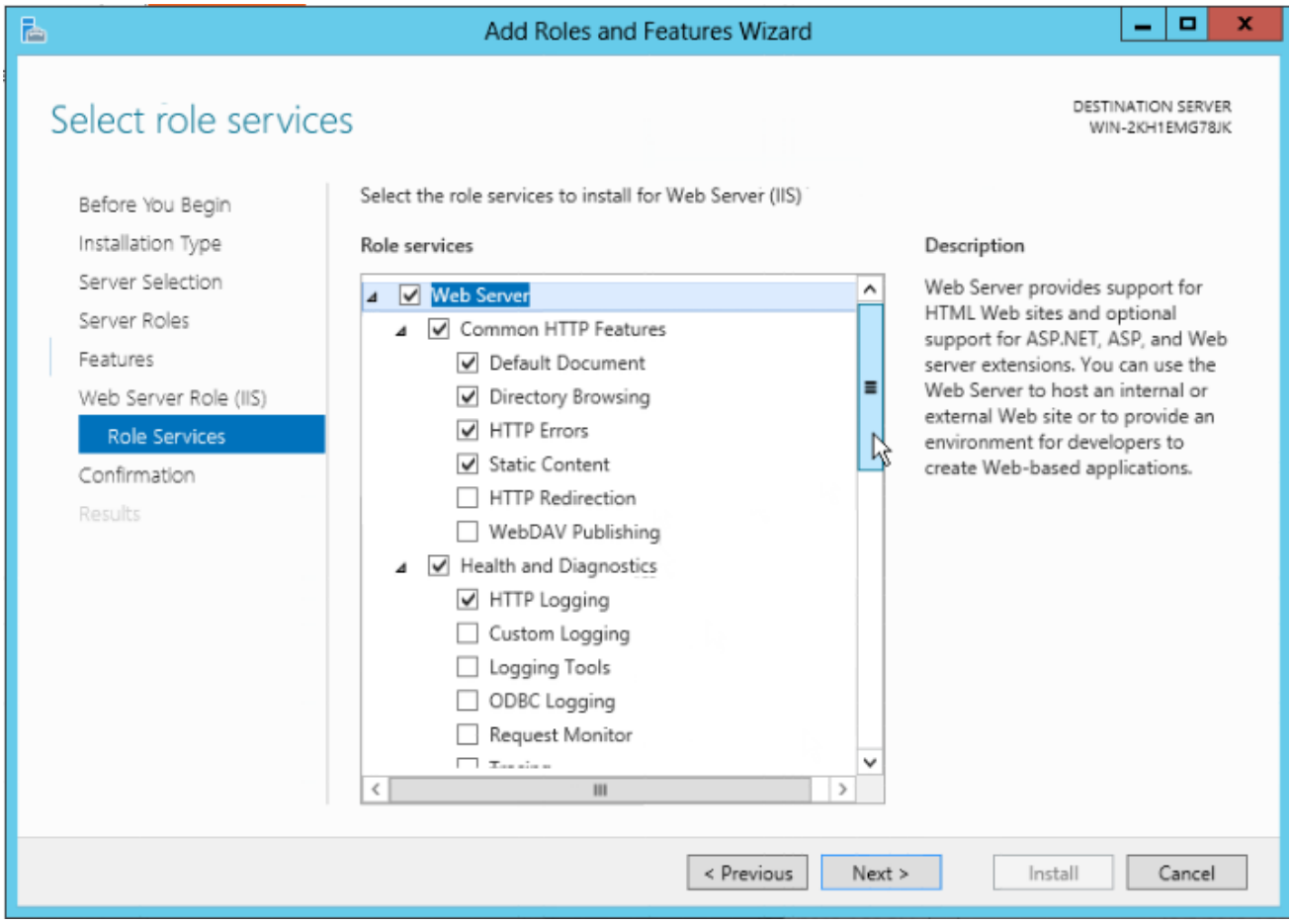


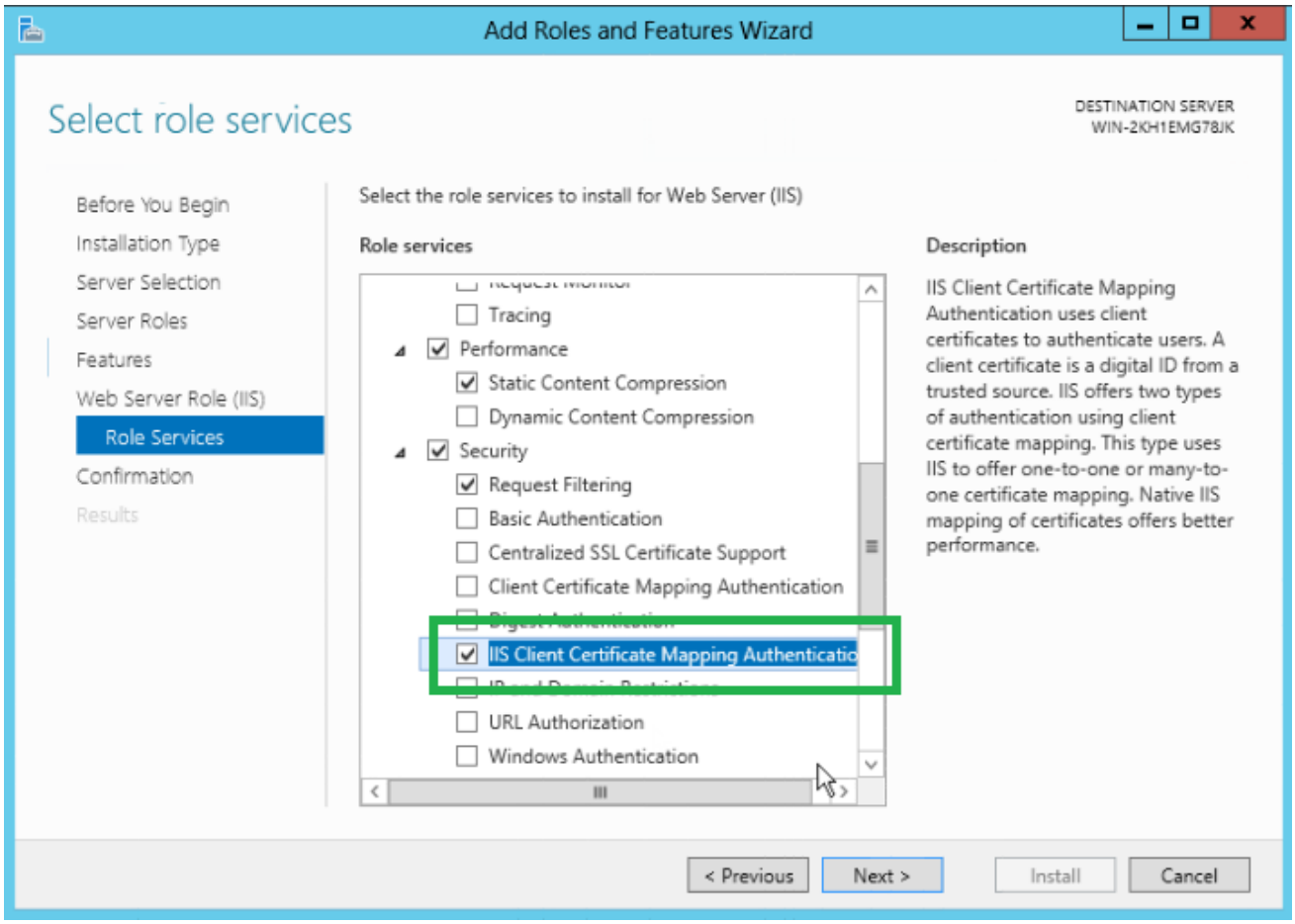
The Windows Process Activation Service [WAS] is required for IIS to support the handling of the non HTTP WCF services.


Add Roles and Features Wizard
Select features
DESTINATION SERVER
WIN-2KH1EMG78JK
Before You Begin
Installation Type
Server Selection
Server Roles
Features
Web Server Role (IIS)
Role Services
Confirmation
Results
Select one or more features to install on the selected server.
Features
SNMP Service
Subsystem for UNIX-based Applications [Deprecat
Telnet Client
Telnet Server
TFTP Client
User Interfaces and Infrastructure (Installed)
Windows Biometric Framework
Windows Feedback Forwarder
Windows Identity Foundation 3.5
Windows Internal Database
Windows Process Activation Service
Windows Server Backup
Description
TCP Activation supports process activation via TCP. Applications that use TCP Activation can start and stop dynamically in response to work items that arrive over the network via TCP.
< Previous
Next >
Install
Cancel

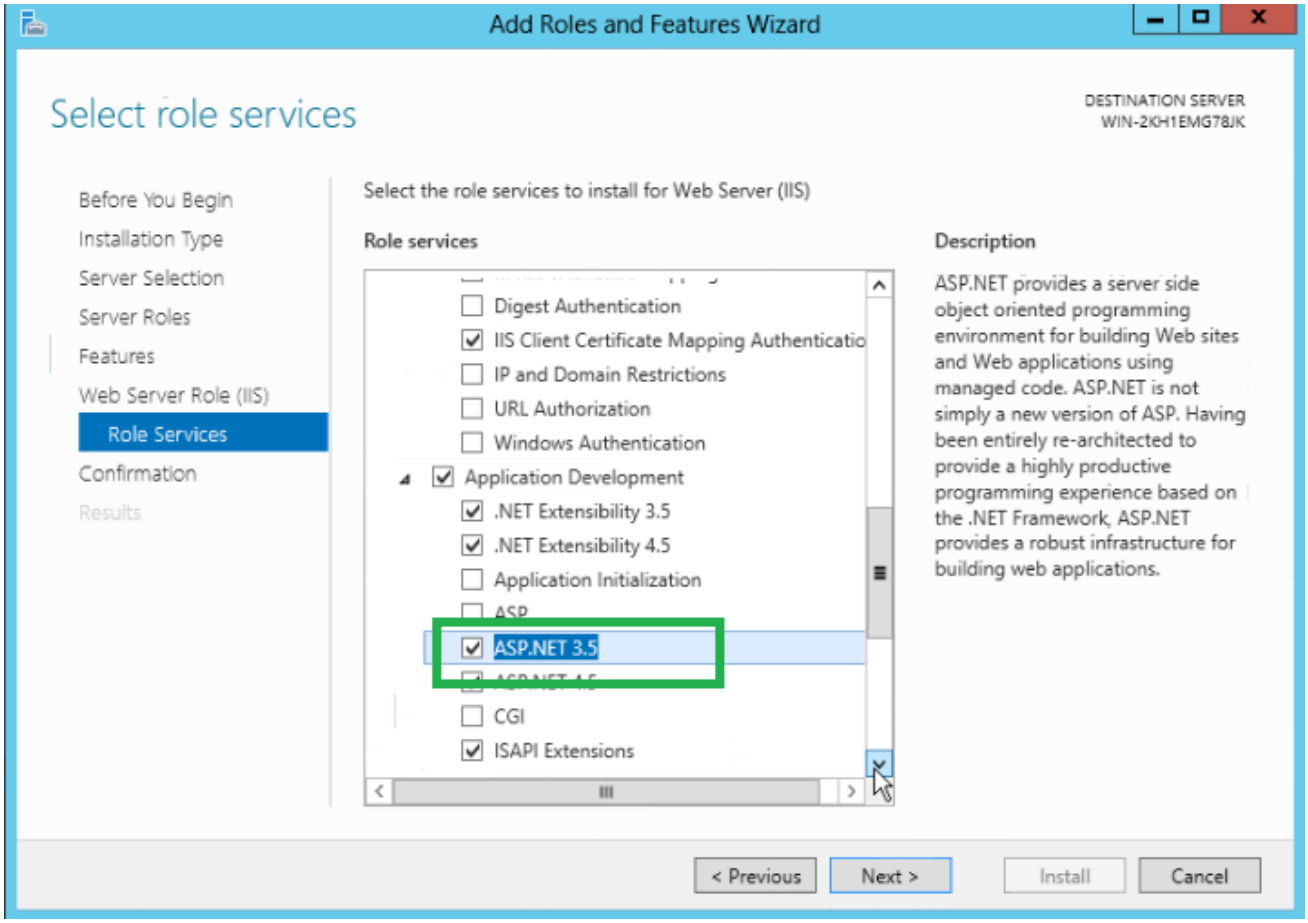


Review the selected features that are available in the server as per the following image,

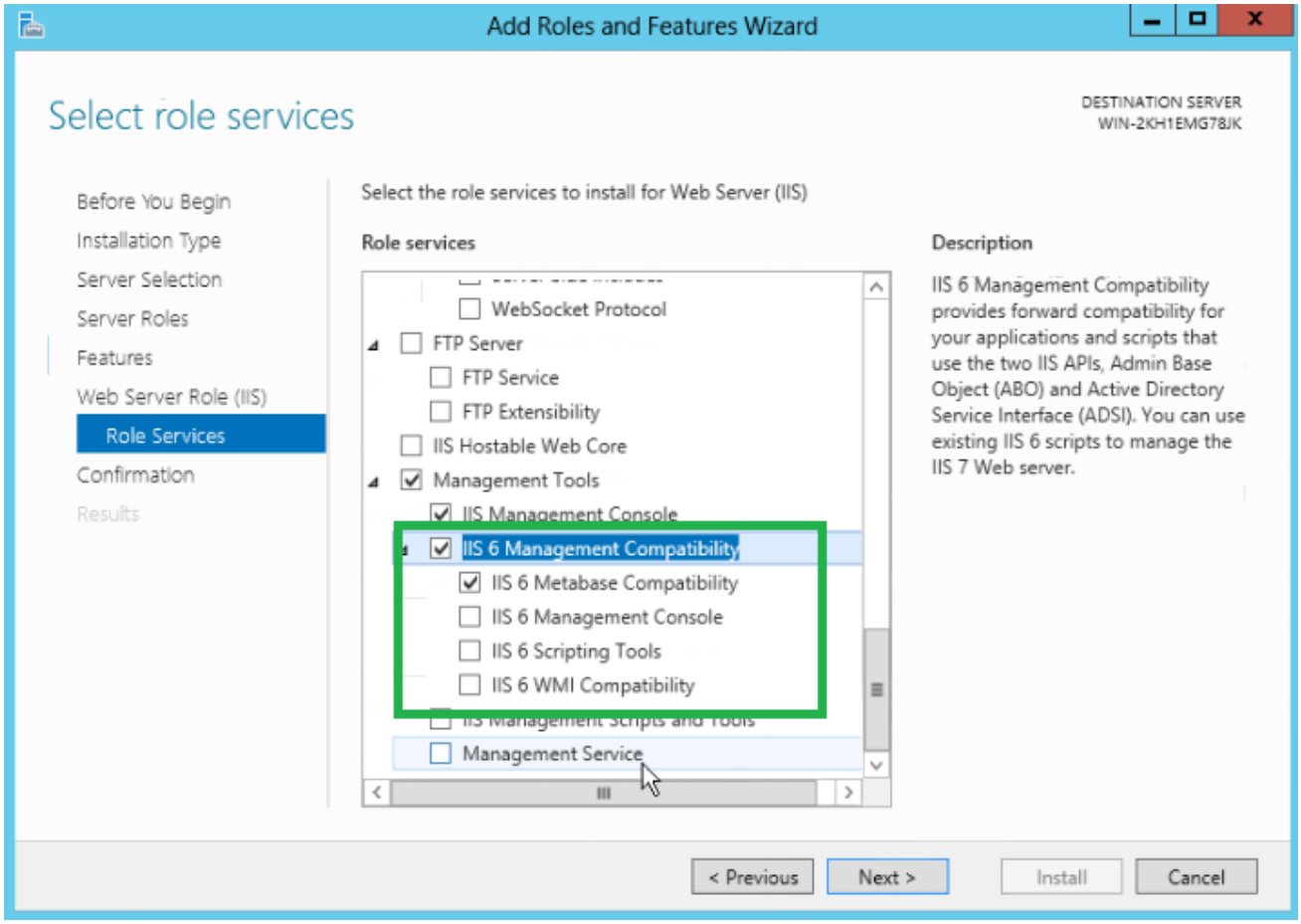

Add Roles and Features Wizard
Select role services
DESTINATION SERVER
WIN-2KH1EMG78JK
Before You Begin
Installation Type
Server Selection
Server Roles
Features
Web Server Role (IIS)
Role Services
Confirmation
Results
Select the role services to install for Web Server (IIS)
Role services
Web Server
Common HTTP Features
Default Document
Directory Browsing
HTTP Errors
Static Content
HTTP Redirection
WebDAV Publishing
Health and Diagnostics
HTTP Logging
Custom Logging
Logging Tools
ODBC Logging
Request Monitor
Description
Web Server provides support for HTML Web sites and optional support for ASP.NET, ASP, and Web server extensions. You can use the Web Server to host an internal or external Web site or to provide an environment for developers to create Web-based applications.
< Previous
Next >
Install
Cancel

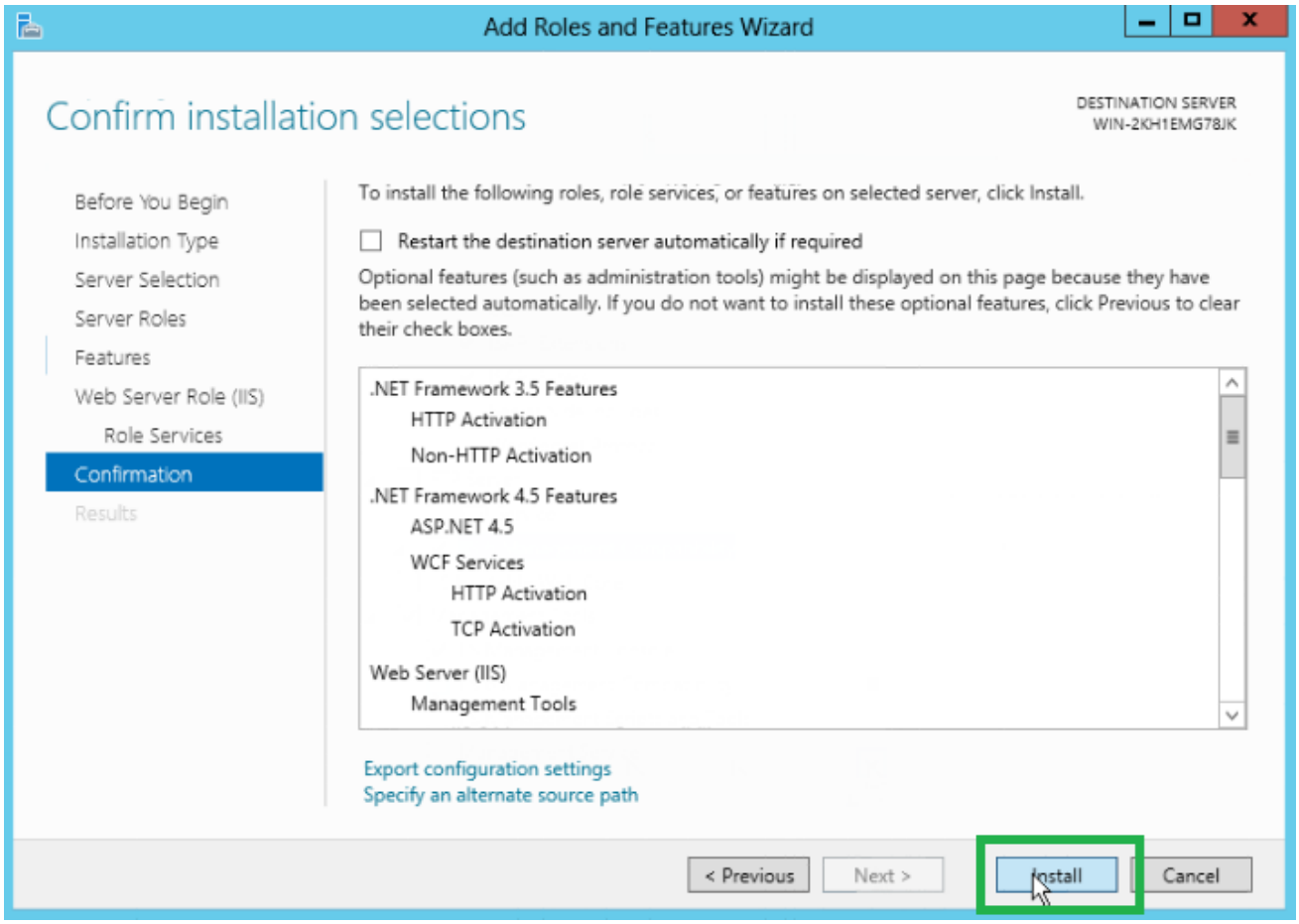


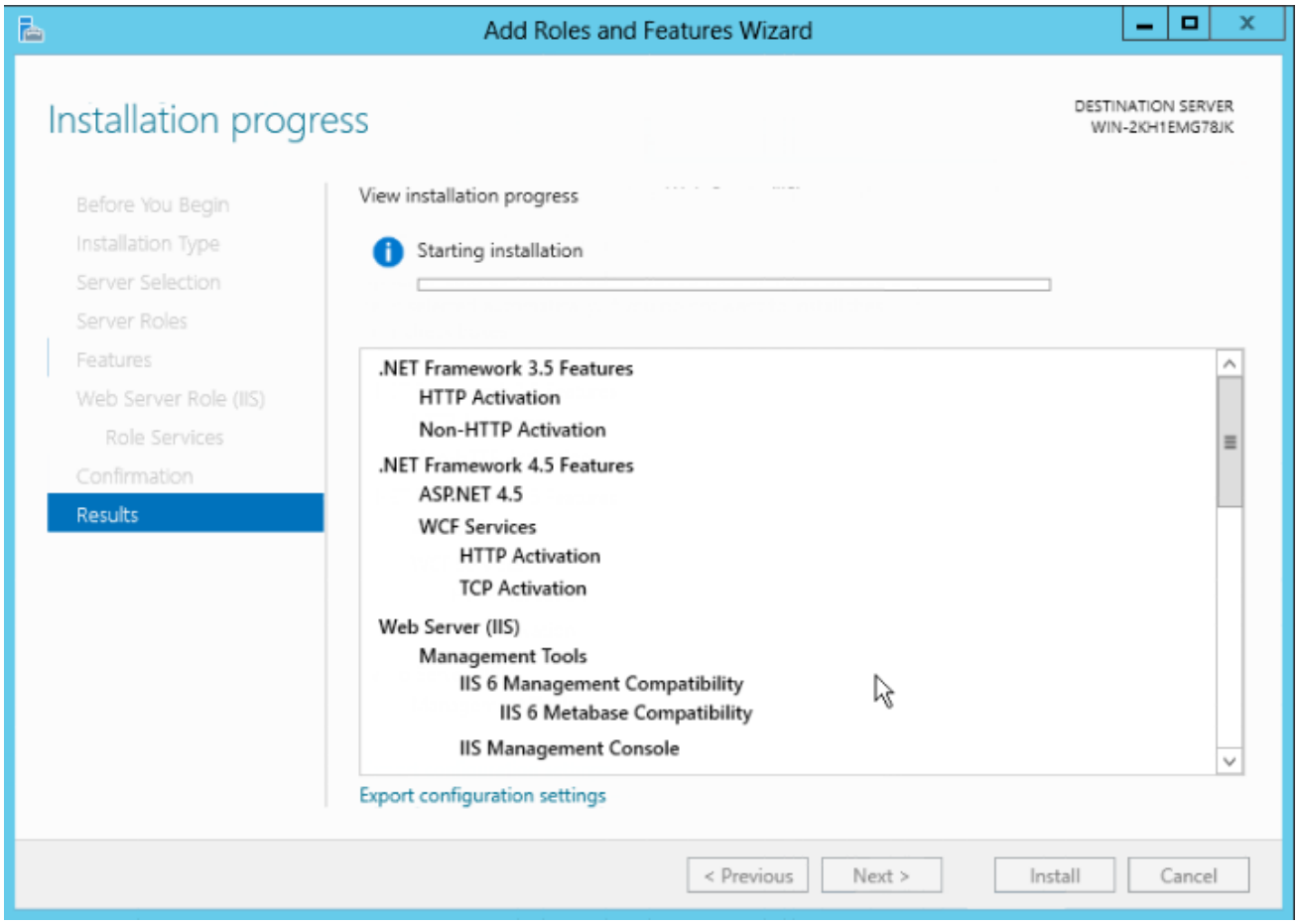
Choose the ASP.Net 3.5 mode incase of any support required for version 3.5.

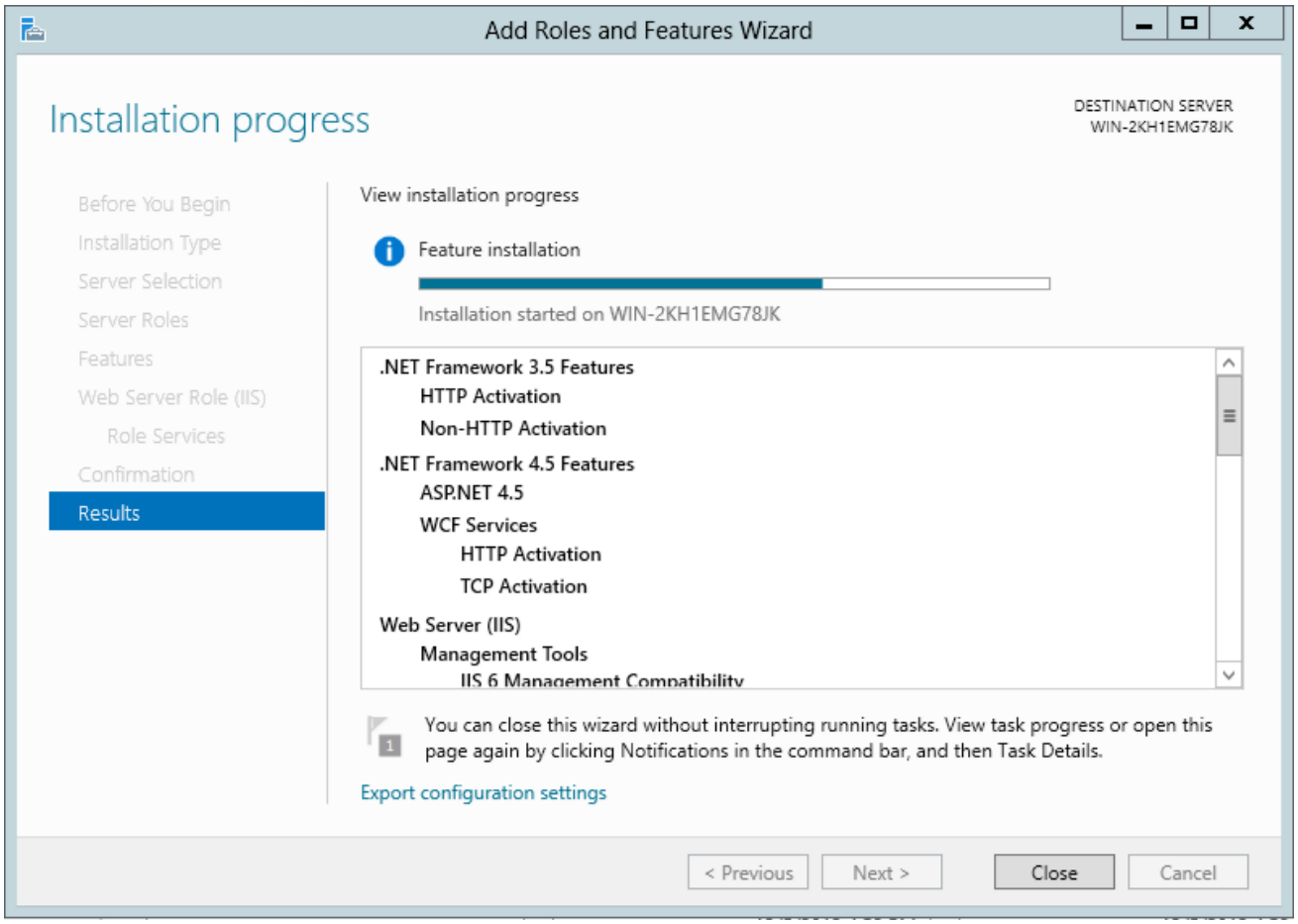


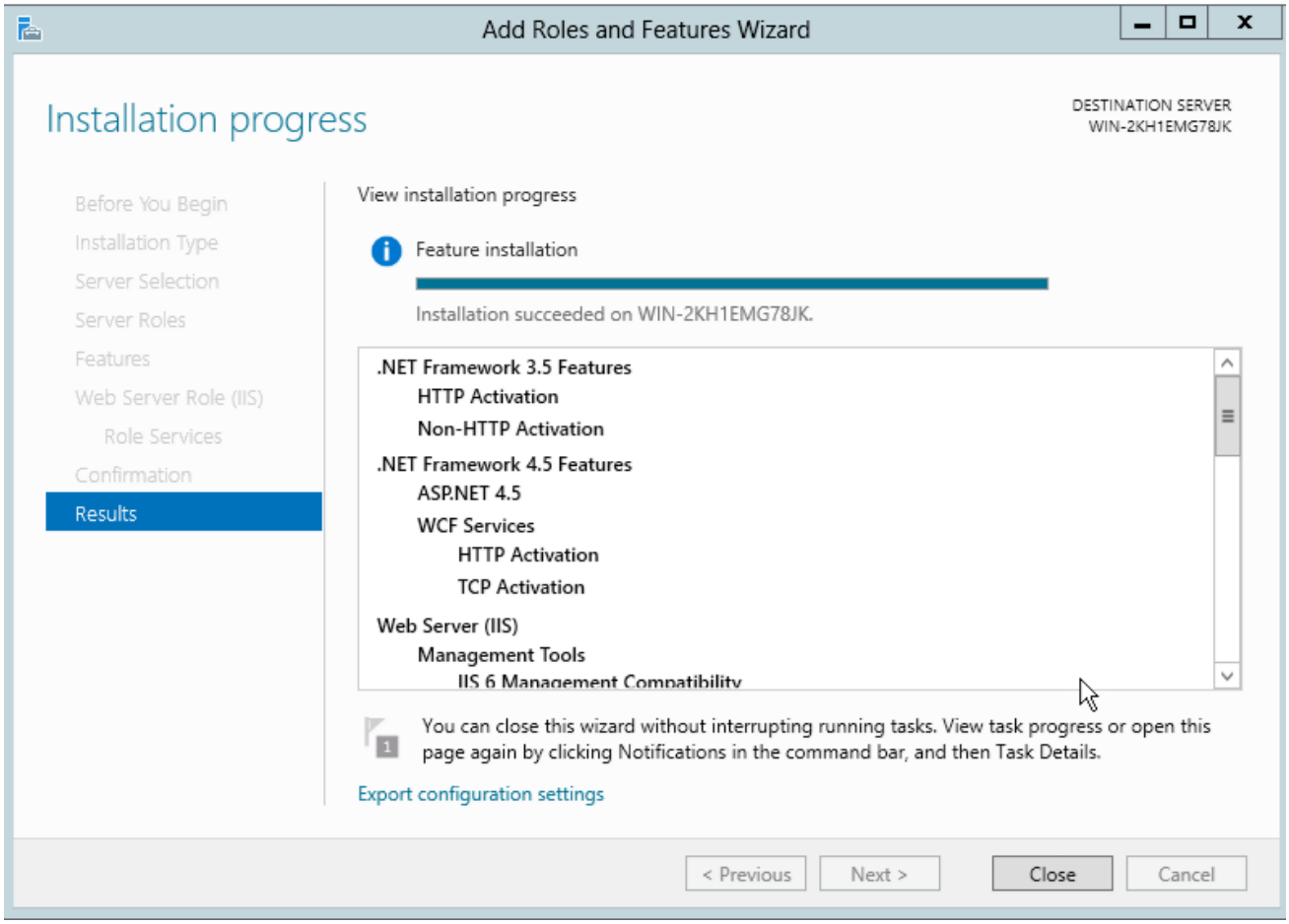
The IIS6 Management Compatibility is required in order to support the compatibility issues. Some of the features that were part of the IIS 6.0 were discontinued with the IIS 7.0 and hence to provide compatibility, this feature needs to be checked.


Add Roles and Features Wizard
Select role services
DESTINATION SERVER
WIN-2KH1EMG78JK
Before You Begin
Installation Type
Server Selection
Server Roles
Features
Web Server Role (IIS)
Role Services
Confirmation
Results
Select the role services to install for Web Server (IIS)
Role services
Description
WebSocket Protocol
FTP Server
FTP Service
FTP Extensibility
IIS Hostable Web Core
Management Tools
IIS Management Console
IIS 6 Management Compatibility
IIS 6 Metabase Compatibility
IIS 6 Management Console
IIS 6 Scripting Tools
IIS 6 WMI Compatibility
Management Service
IIS 6 Management Compatibility provides forward compatibility for your applications and scripts that use the two IIS APIs, Admin Base Object (ABO) and Active Directory Service Interface (ADSI). You can use existing IIS 6 scripts to manage the IIS 7 Web server.
< Previous
Next >
Install
Cancel

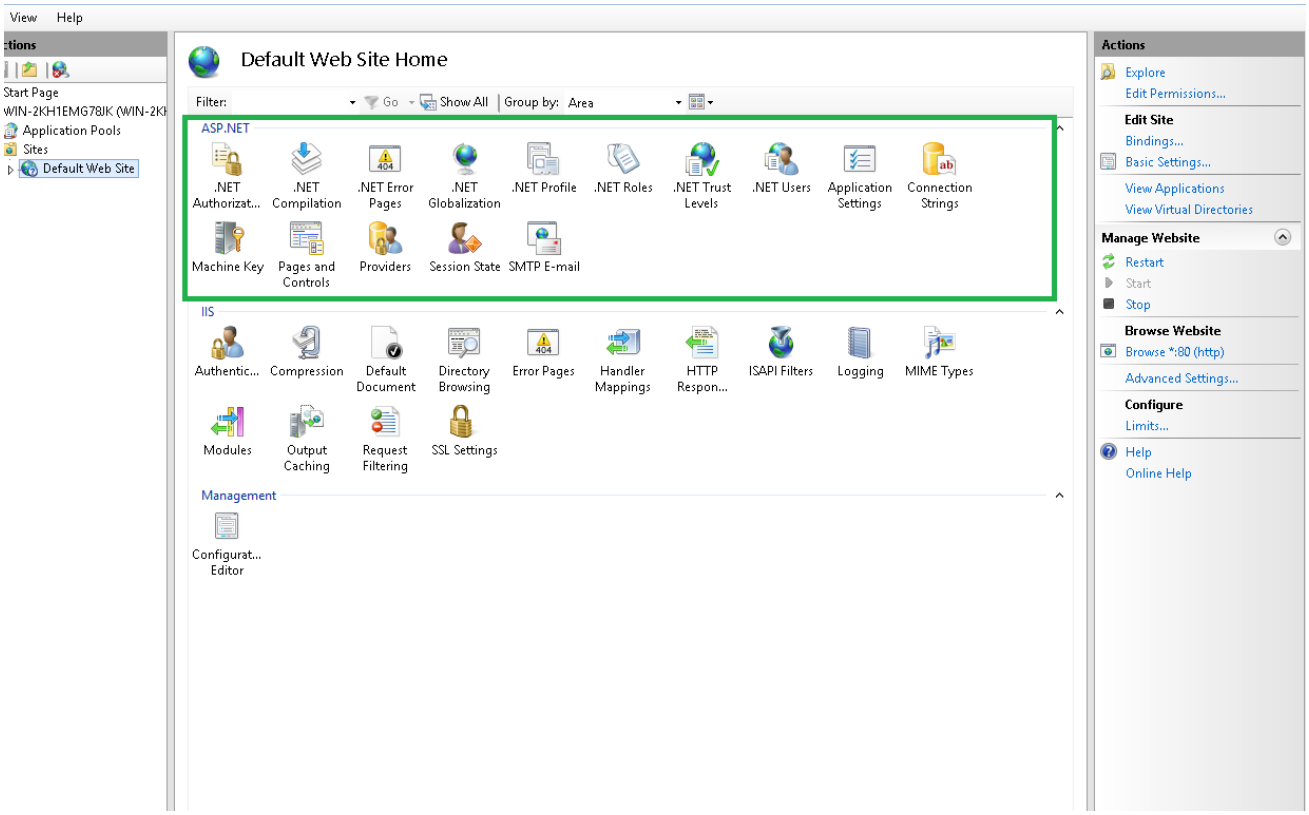

Add Roles and Features Wizard
Confirm installation selections
DESTINATION SERVER
WIN-2KH1EMG78JK
Before You Begin
Installation Type
Server Selection
Server Roles
Features
Web Server Role (IIS)
Role Services
Confirmation
Results
To install the following roles, role services, or features on selected server, click Install.
Restart the destination server automatically if required
Optional features (such as administration tools) might be displayed on this page because they have been selected automatically. If you do not want to install these optional features, click Previous to clear their check boxes.
.NET Framework 3.5 Features
HTTP Activation
Non-HTTP Activation
.NET Framework 4.5 Features
ASP.NET 4.5
WCF Services
HTTP Activation
TCP Activation
Web Server (IIS)
Management Tools
Export configuration settings
Specify an alternate source path
< Previous
Next >
Install
Cancel


Add Roles and Features Wizard
Installation progress
DESTINATION SERVER
WIN-2KH1EMG78JK
Before You Begin
Installation Type
Server Selection
Server Roles
Features
Web Server Role (IIS)
Role Services
Confirmation
Results
View installation progress
Starting installation
.NET Framework 3.5 Features
HTTP Activation
Non-HTTP Activation
.NET Framework 4.5 Features
ASP.NET 4.5
WCF Services
HTTP Activation
TCP Activation
Web Server (IIS)
Management Tools
IIS 6 Management Compatibility
IIS 6 Metabase Compatibility
IIS Management Console
Export configuration settings
< Previous
Next >
Install
Cancel


Add Roles and Features Wizard
Installation progress
DESTINATION SERVER
WIN-2KH1EMG78JK
Before You Begin
Installation Type
Server Selection
Server Roles
Features
Web Server Role (IIS)
Role Services
Confirmation
Results
View installation progress
Feature installation
Installation started on WIN-2KH1EMG78JK
.NET Framework 3.5 Features
HTTP Activation
Non-HTTP Activation
.NET Framework 4.5 Features
ASP.NET 4.5
WCF Services
HTTP Activation
TCP Activation
Web Server (IIS)
Management Tools
IIS 6 Management Compatibility
You can close this wizard without interrupting running tasks. View task progress or open this page again by clicking Notifications in the command bar, and then Task Details.
Export configuration settings
< Previous
Next >
Close
Cancel

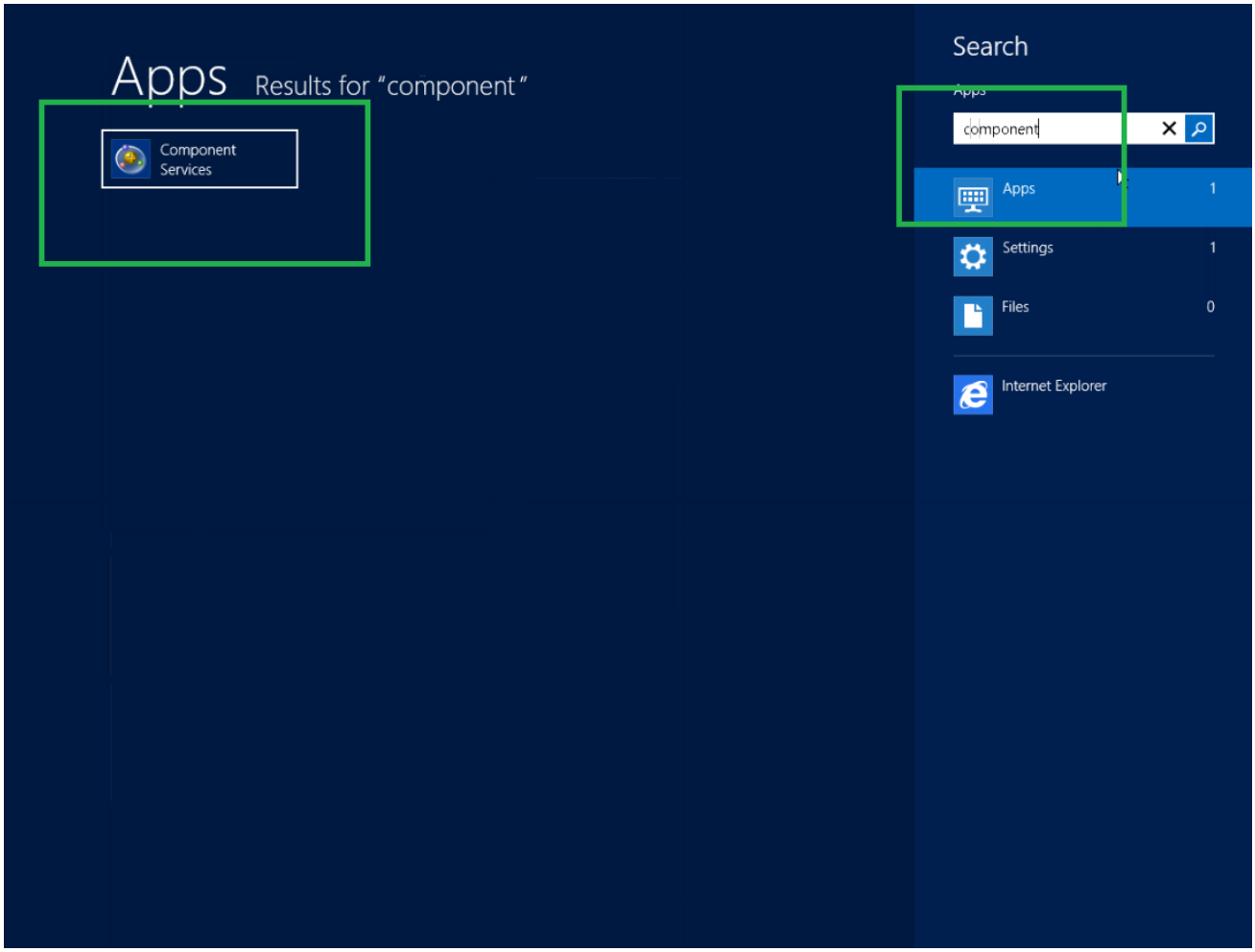


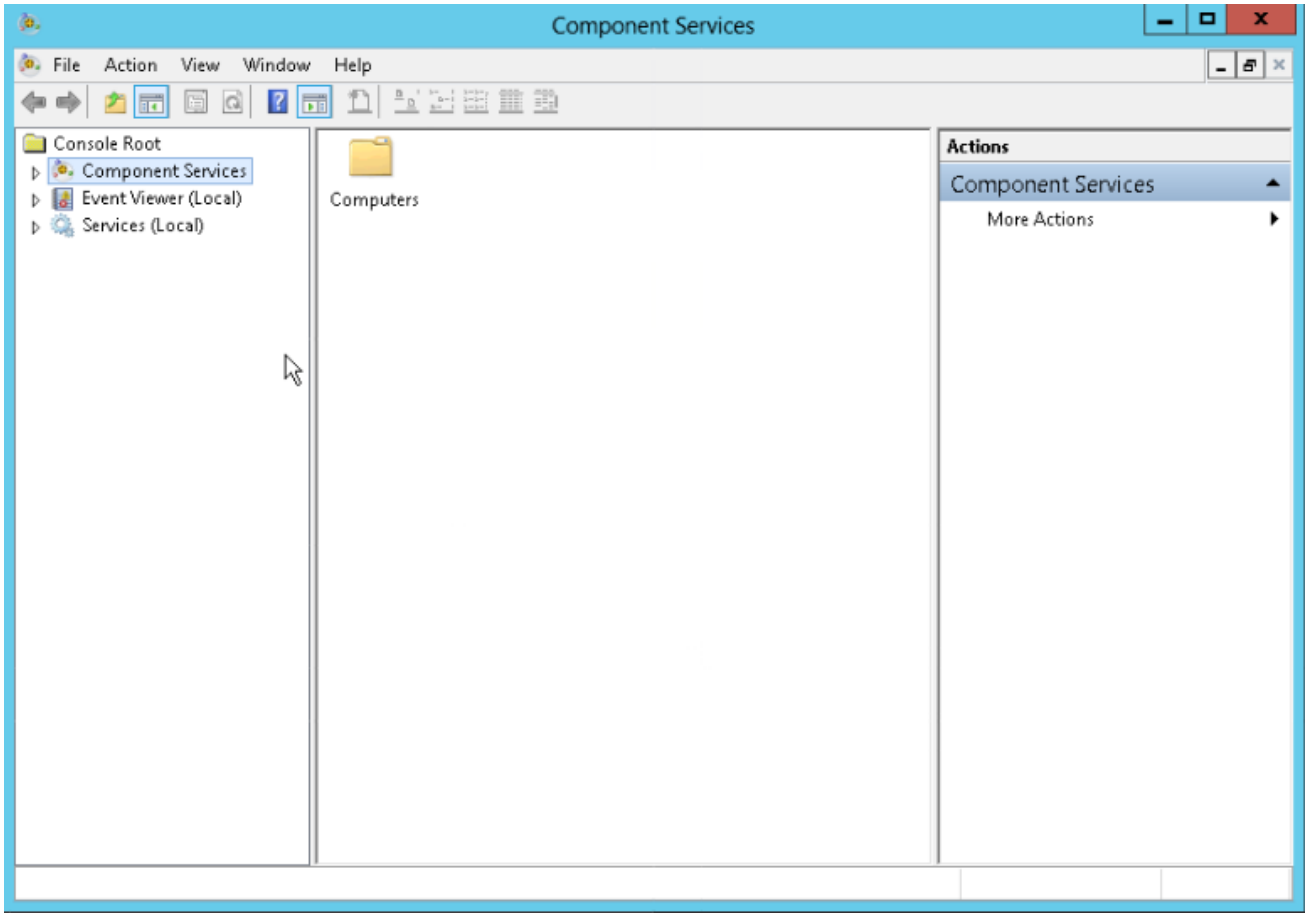
Once all of the .Net and ASP.Net registrations with IIS are completed successfully, the ASP.Net section will show up in the IIS dashboard.

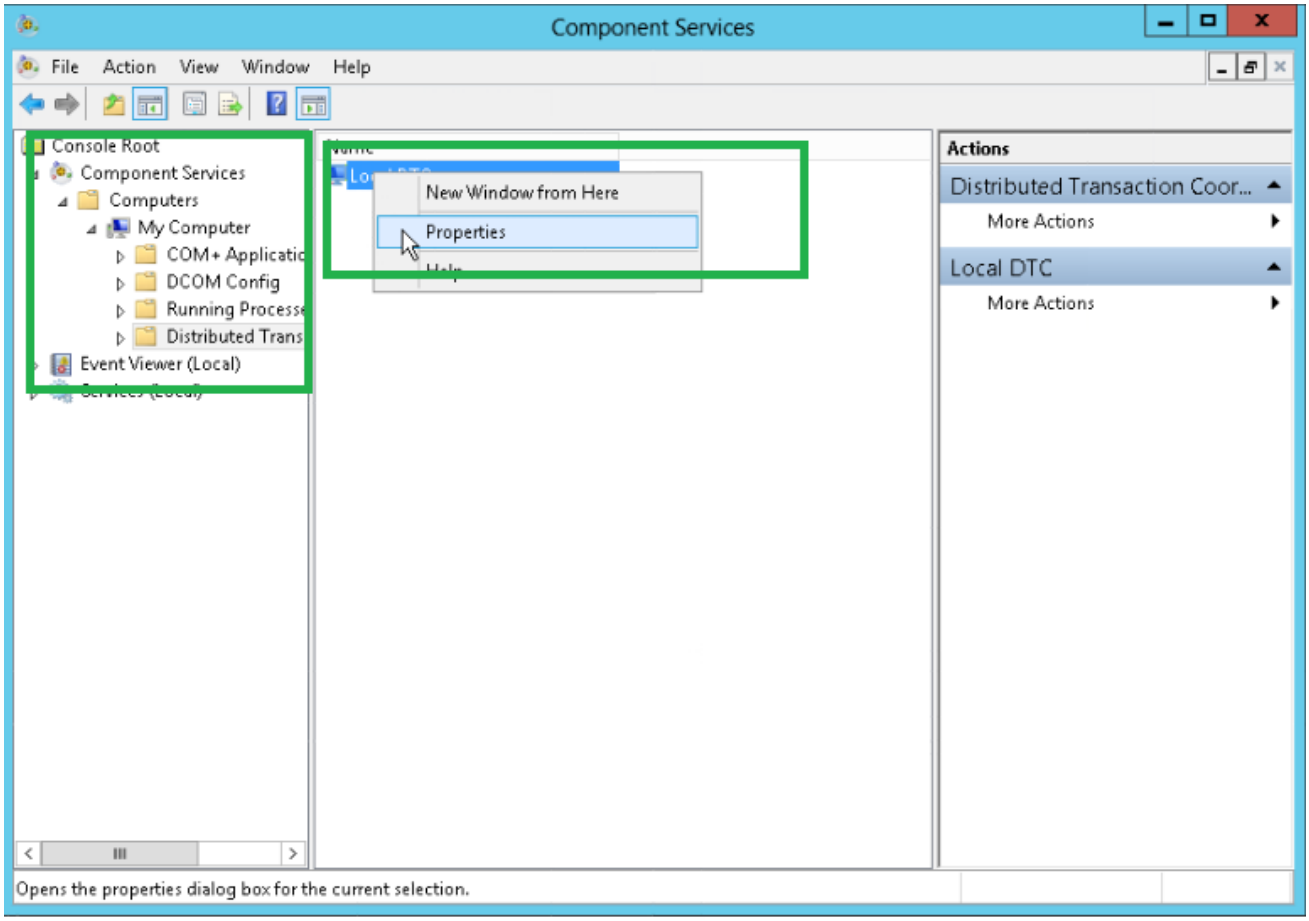

View
Help
Start Page
Application Pools
Sites
Default Web Site
Default Web Site Home
Filter:
Go
Show All
Group by:
Area
ASP.NET
.NET Authorizat...
.NET Compilation
.NET Error Pages
.NET Globalization
.NET Profile
.NET Roles
.NET Trust Levels
.NET Users
Application Settings
Connection Strings
Machine Key
Pages and Controls
Providers
Session State
SMTP E-mail
IIS
Authentic...
Compression
Default Document
Directory Browsing
Error Pages
Handler Mappings
HTTP Respon...
ISAPI Filters
Logging
MIME Types
Modules
Output Caching
Request Filtering
SSL Settings
Management
Configurat... Editor
Actions
Explore
Edit Permissions...
Edit Site
Bindings...
Basic Settings...
View Applications
View Virtual Directories
Manage Website
Restart
Start
Stop
Browse Website
Browse *:80 (http)
Advanced Settings...
Configure
Limits...
Help
Online Help

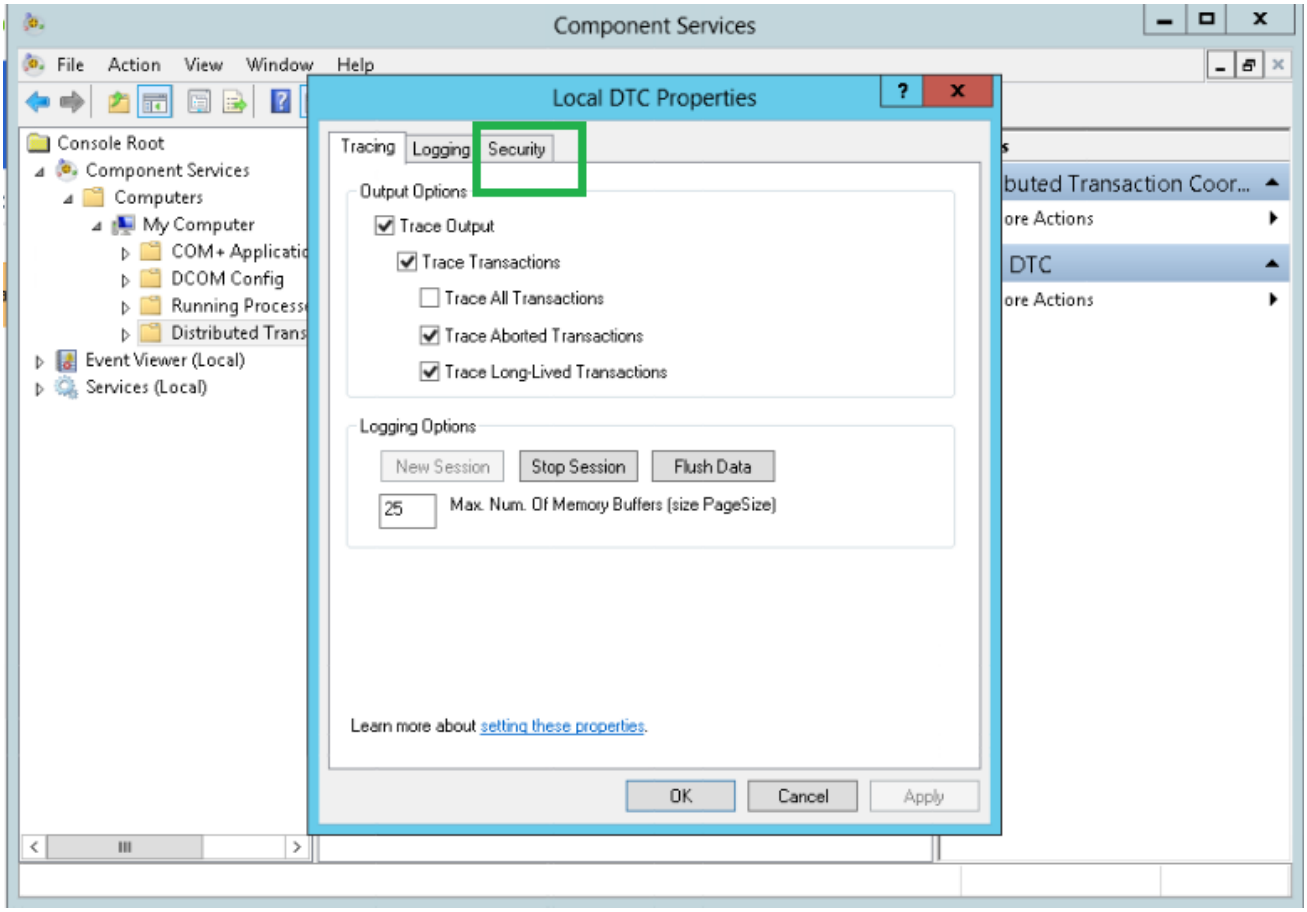
2. Distributed Transaction Coordinator Configuration

This will be required in order to provide the transaction support for the .Net applications with that of the database server.

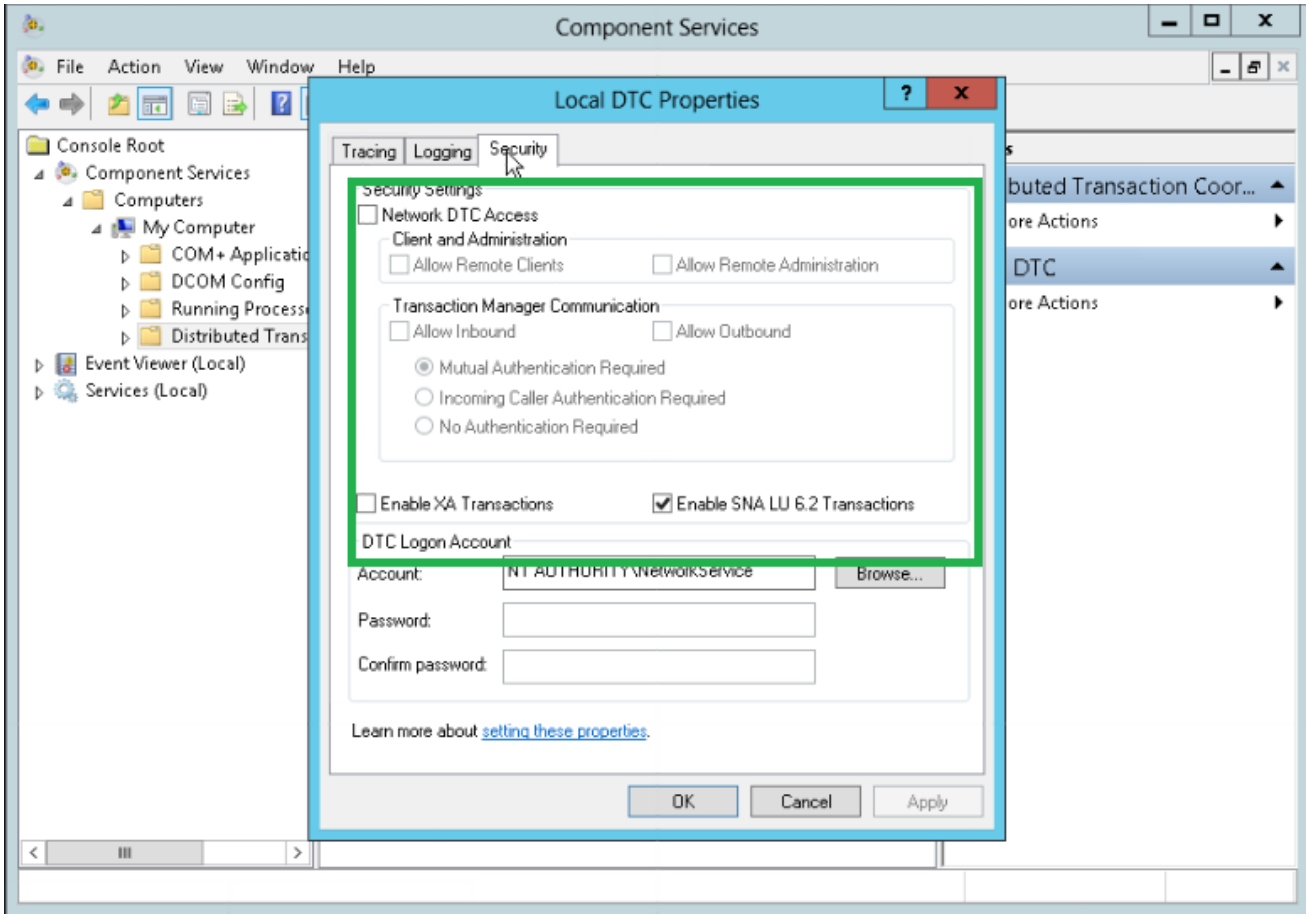


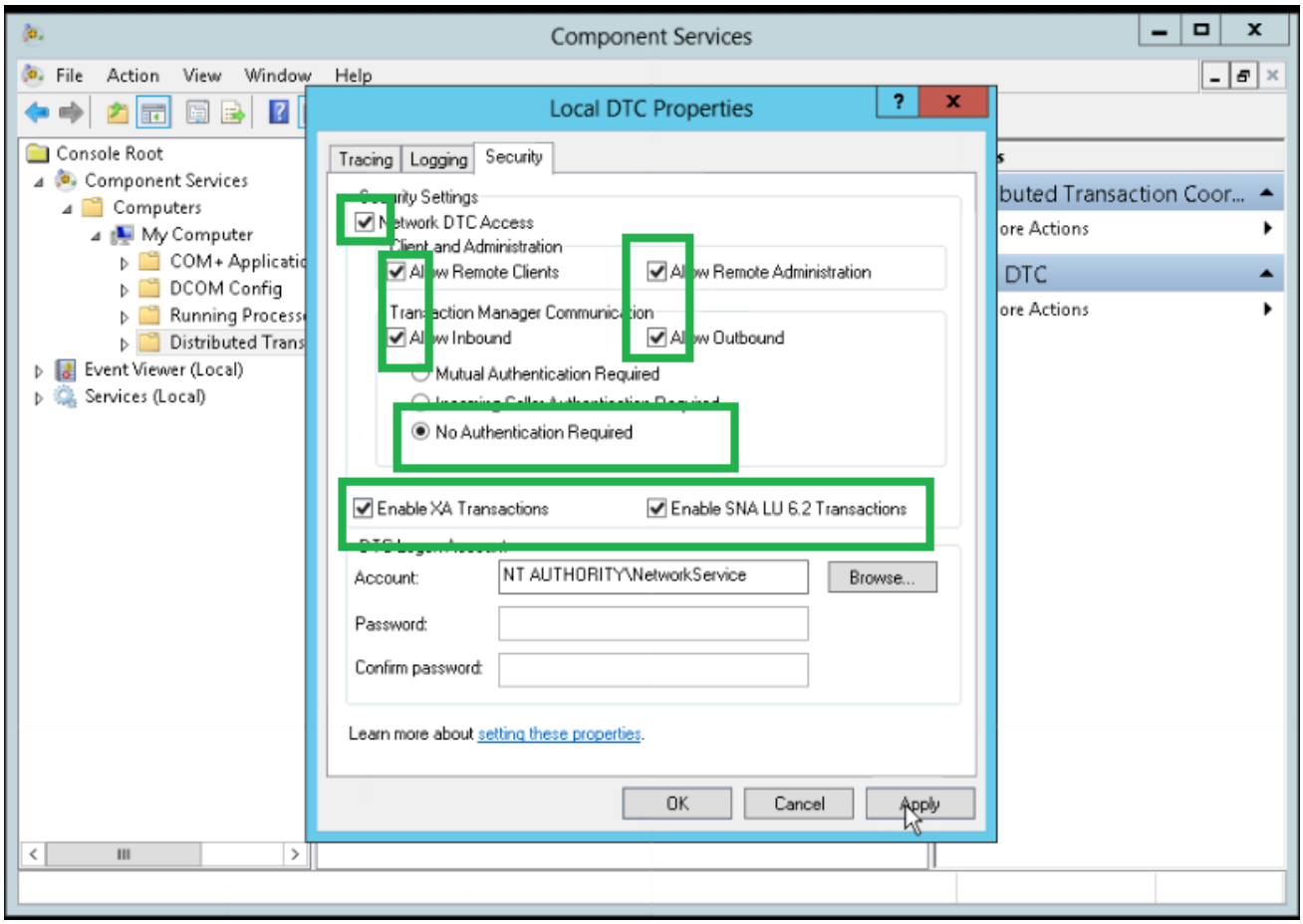

Component Services
File
Action
View
Window
Help
Console Root
Component Services
Event Viewer (Local)
Services (Local)
Computers
Actions
Component Services
More Actions

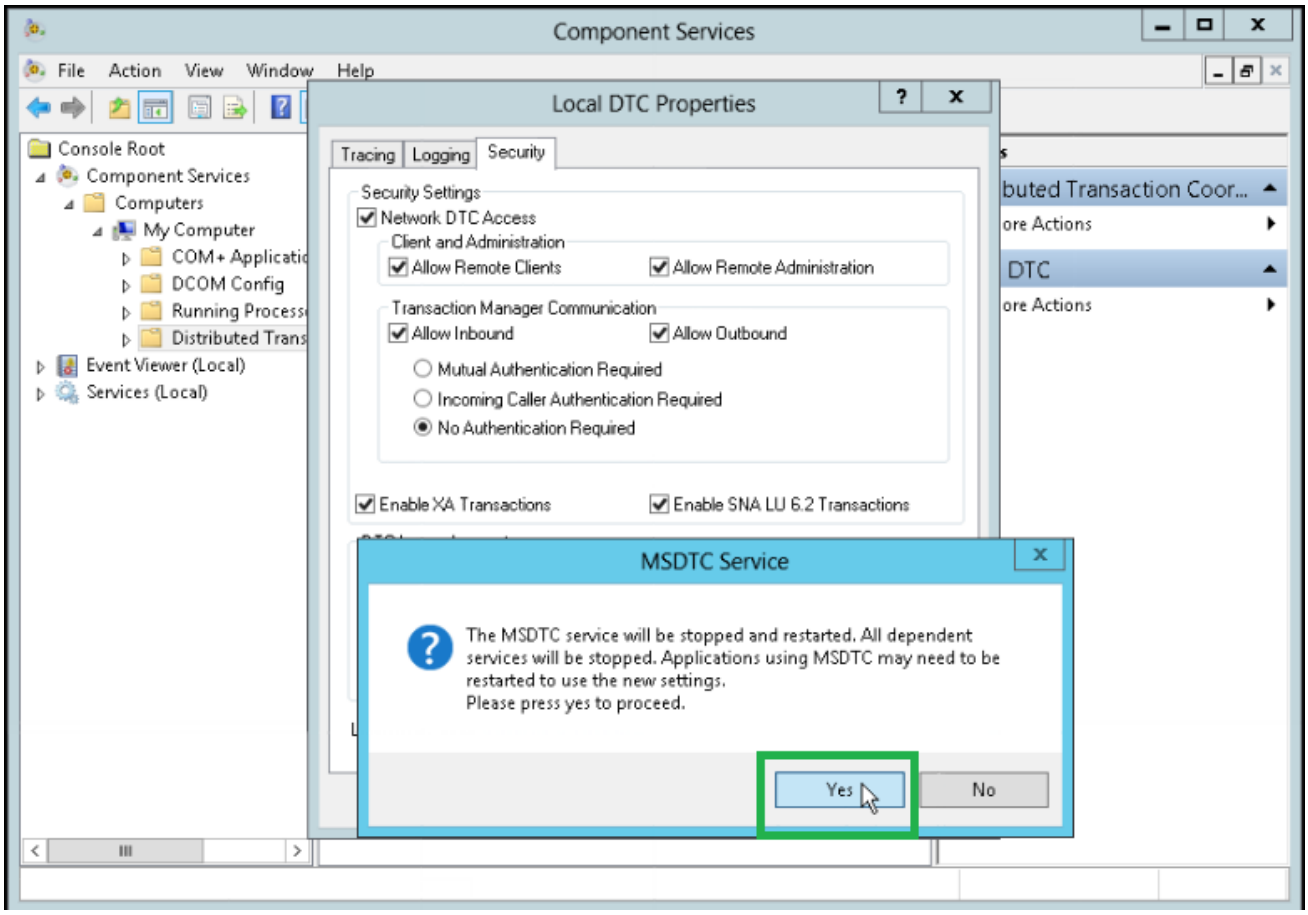

Component Services
File Action View Window Help
Console Root
Component Services
Computers
My Computer
COM+ Applicatio
DCOM Config
Running Processe
Distributed Trans
Event Viewer (Local)
New Window from Here
Properties
Actions
Distributed Transaction Coor...
More Actions
Local DTC
More Actions
Opens the properties dialog box for the current selection.

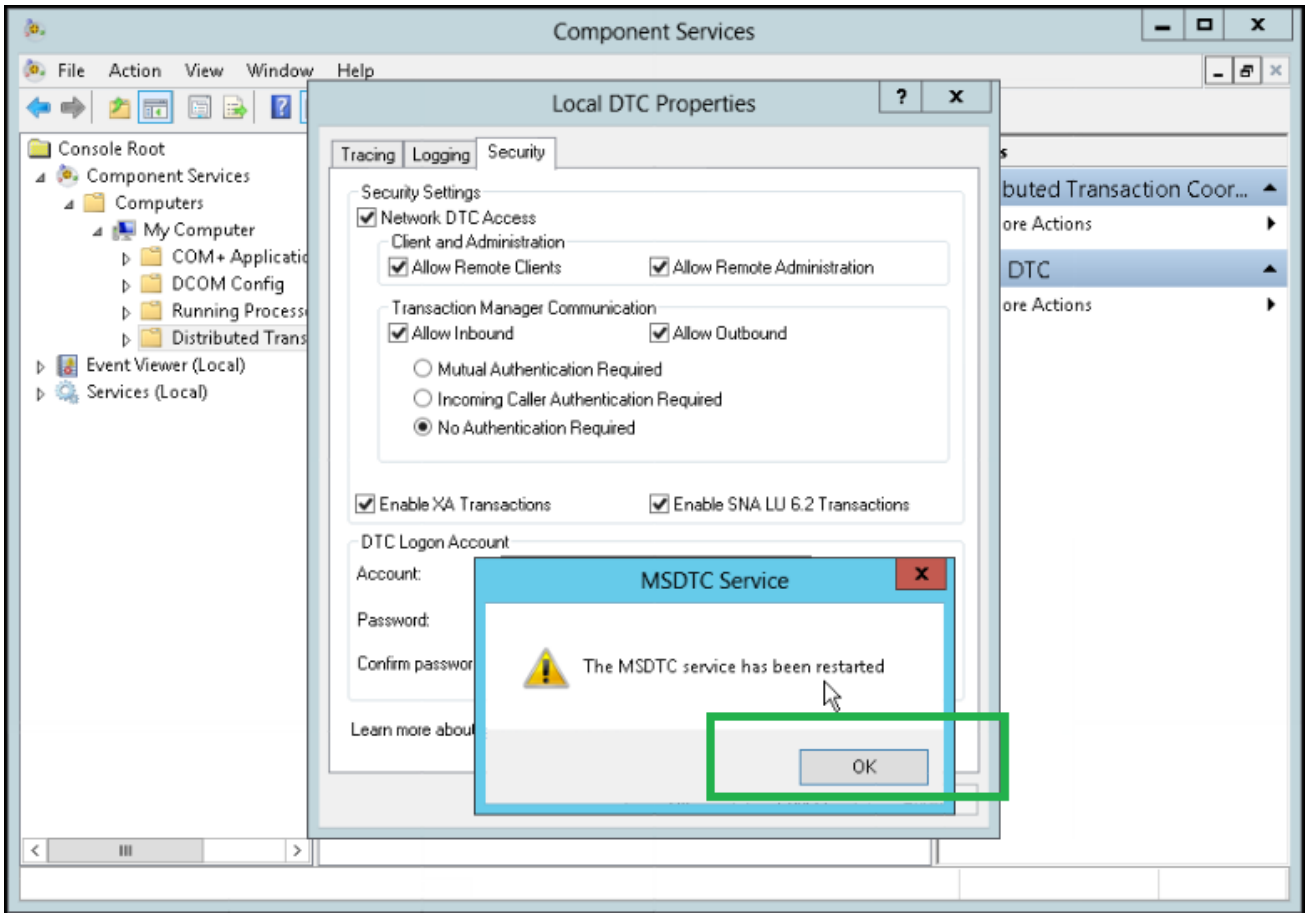


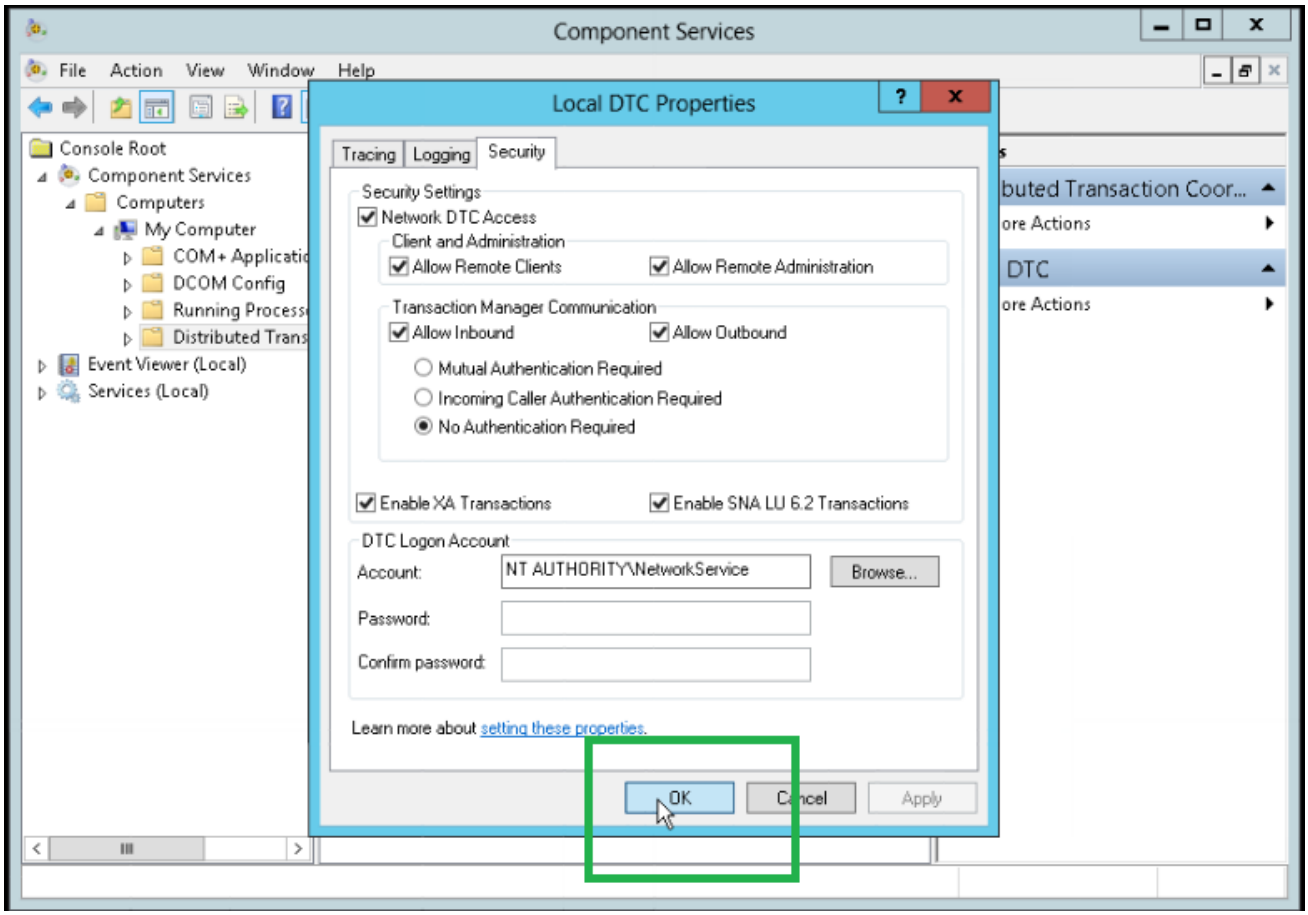
Allow the network DTC Access with Inbound and Outbound transaction support without authentication information to be required.


Component Services
File Action View Window Help
Console Root
Component Services
Computers
My Computer
COM+ Applicatio
DCOM Config
Running Process
Distributed Trans
Event Viewer (Local)
Services (Local)
Local DTC Properties
Tracing Logging Security
Security Settings
Network DTC Access
Client and Administration
Allow Remote Clients
Allow Remote Administration
Transaction Manager Communication
Allow Inbound
Allow Outbound
Mutual Authentication Required
Incoming Caller Authentication Required
No Authentication Required
Enable XA Transactions
Enable SNA LU 6.2 Transactions
DTC Logon Account
Account:
NT AUTHORITY\NetworkService
Browse...
Password:
Confirm password:
Learn more about setting these properties.
OK
Cancel
Apply
buted Transaction Coor...
ore Actions
DTC
ore Actions


Component Services
File Action View Window Help
Console Root
Component Services
Computers
My Computer
COM+ Applicatio
DCOM Config
Running Process
Distributed Trans
Event Viewer (Local)
Services (Local)
Local DTC Properties
Tracing Logging Security
Network DTC Access
Client and Administration
Allow Remote Clients
Allow Remote Administration
Transaction Manager Communication
Allow Inbound
Allow Outbound
Mutual Authentication Required
No Authentication Required
Enable XA Transactions
Enable SNA LU 6.2 Transactions
Account: NT AUTHORITY\NetworkService
Browse...
Password:
Confirm password:
Learn more about setting these properties.
OK
Cancel
Apply
buted Transaction Coor...
ore Actions
DTC
ore Actions

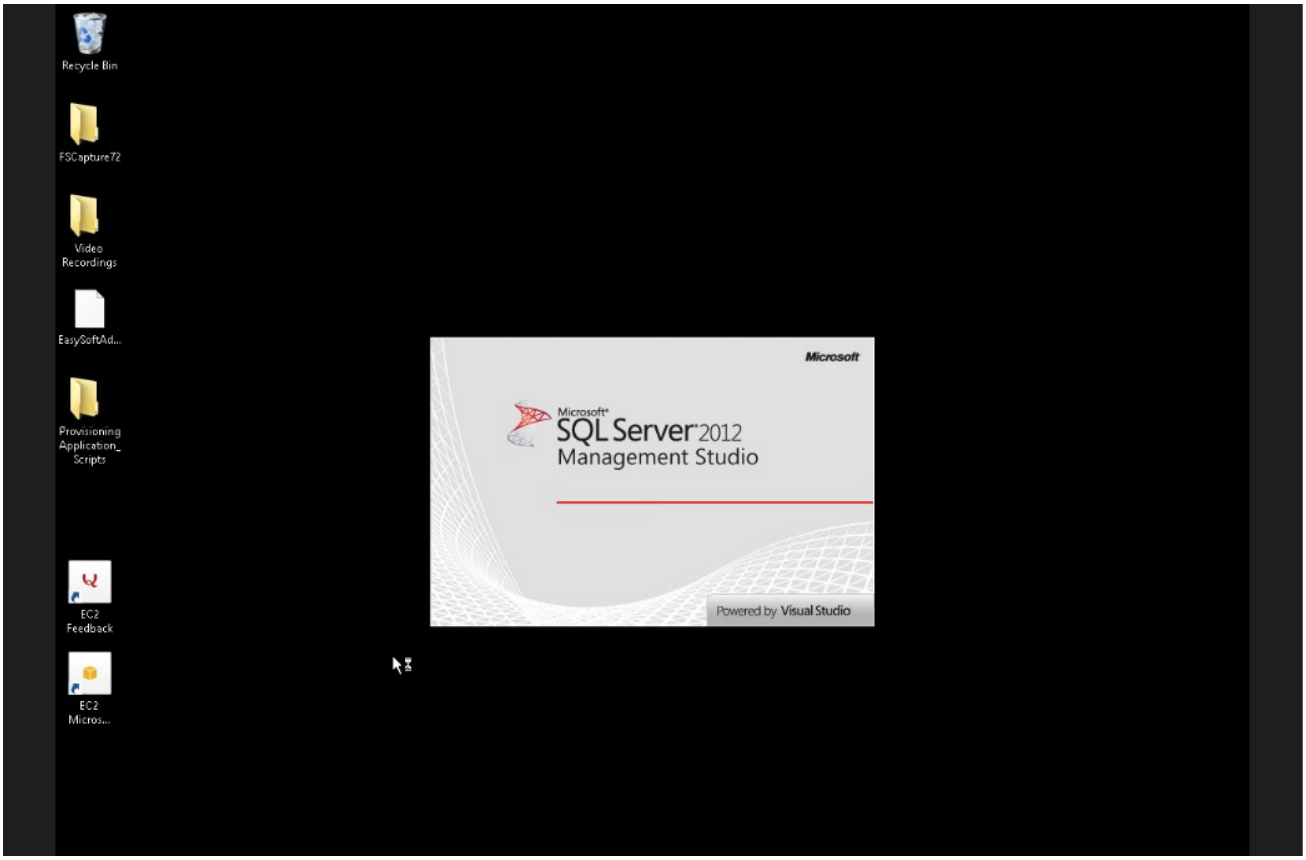

Component Services
File Action View Window Help
Console Root
Component Services
Computers
My Computer
COM+ Applicatio
DCOM Config
Running Process
Distributed Trans
Event Viewer (Local)
Services (Local)
Local DTC Properties
Tracing Logging Security
Security Settings
Network DTC Access
Client and Administration
Allow Remote Clients
Allow Remote Administration
Transaction Manager Communication
Allow Inbound
Allow Outbound
Mutual Authentication Required
Incoming Caller Authentication Required
No Authentication Required
Enable XA Transactions
Enable SNA LU 6.2 Transactions
MSDTC Service
The MSDTC service will be stopped and restarted. All dependent services will be stopped. Applications using MSDTC may need to be restarted to use the new settings.
Please press yes to proceed.
Yes
No
buted Transaction Coor...
ore Actions
DTC
ore Actions

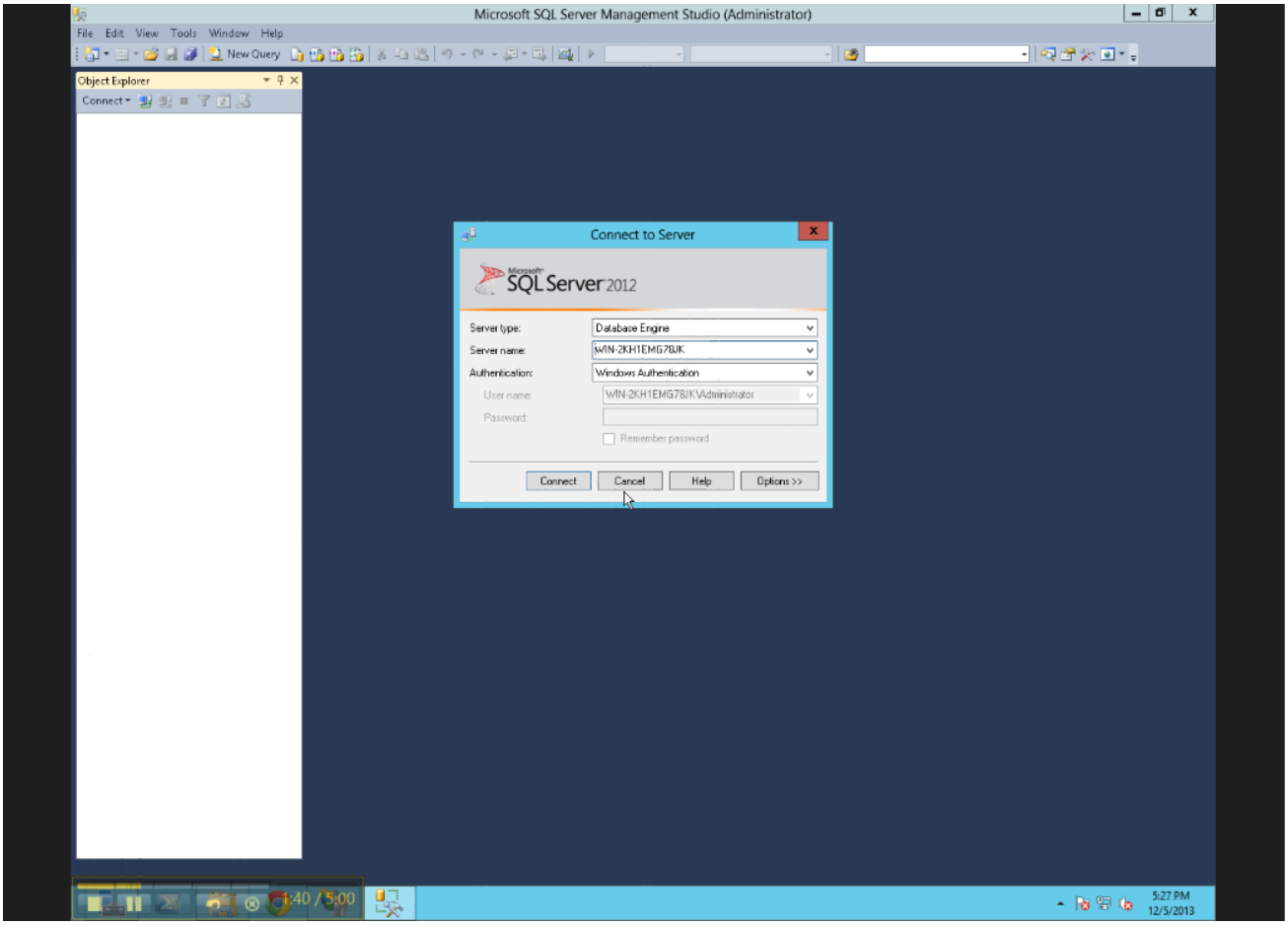

Component Services
File Action View Window Help
Console Root
Component Services
Computers
My Computer
COM+ Applicatio
DCOM Config
Running Process
Distributed Trans
Event Viewer (Local)
Services (Local)
Local DTC Properties
Tracing Logging Security
Security Settings
Network DTC Access
Client and Administration
Allow Remote Clients
Allow Remote Administration
Transaction Manager Communication
Allow Inbound
Allow Outbound
Mutual Authentication Required
Incoming Caller Authentication Required
No Authentication Required
Enable XA Transactions
Enable SNA LU 6.2 Transactions
DTC Logon Account
Account:
Password:
Confirm passwor
Learn more about
MSDTC Service
The MSDTC service has been restarted
OK
buted Transaction Coor...
ore Actions
DTC
ore Actions

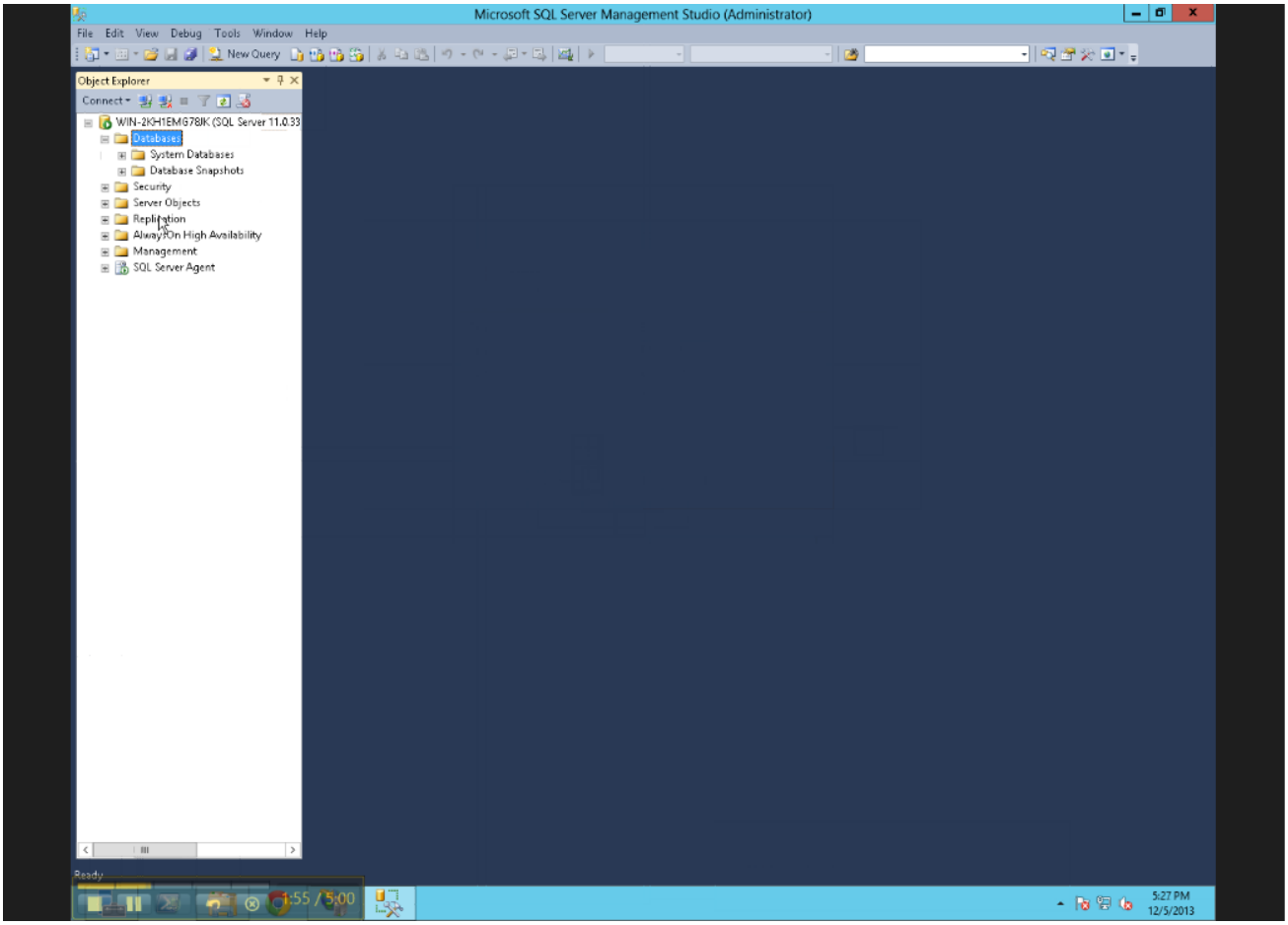

Component Services
File Action View Window Help
Console Root
Component Services
Computers
My Computer
COM+ Applicatio
DCOM Config
Running Process
Distributed Trans
Event Viewer (Local)
Services (Local)
Local DTC Properties
Tracing Logging Security
Security Settings
Network DTC Access
Client and Administration
Allow Remote Clients
Allow Remote Administration
Transaction Manager Communication
Allow Inbound
Allow Outbound
Mutual Authentication Required
Incoming Caller Authentication Required
No Authentication Required
Enable XA Transactions
Enable SNA LU 6.2 Transactions
DTC Logon Account
Account:
NT AUTHORITY\NetworkService
Browse...
Password:
Confirm password:
Learn more about setting these properties.
OK
Cancel
Apply
buted Transaction Coor...
ore Actions
DTC
ore Actions

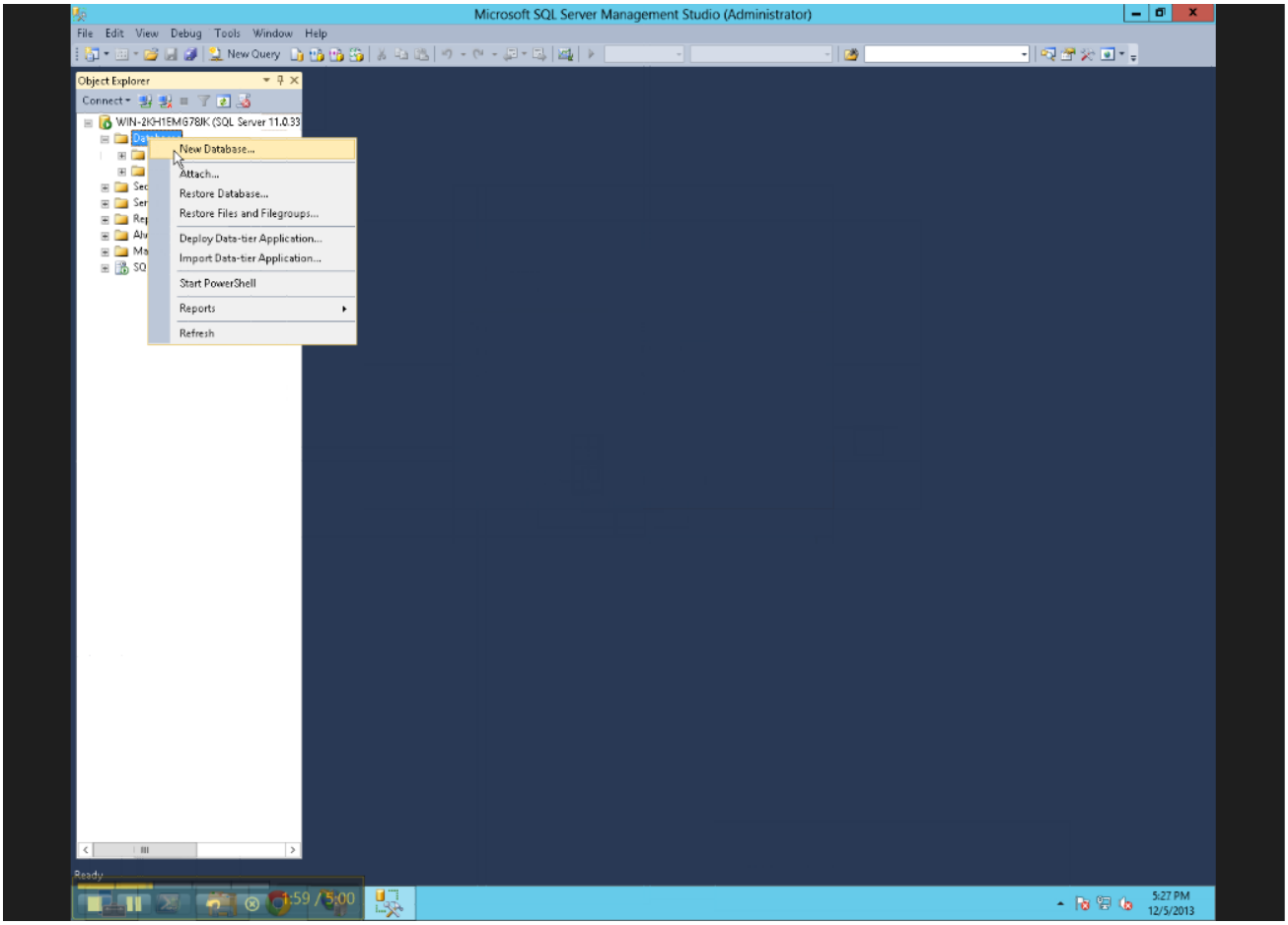
3. Database Setup

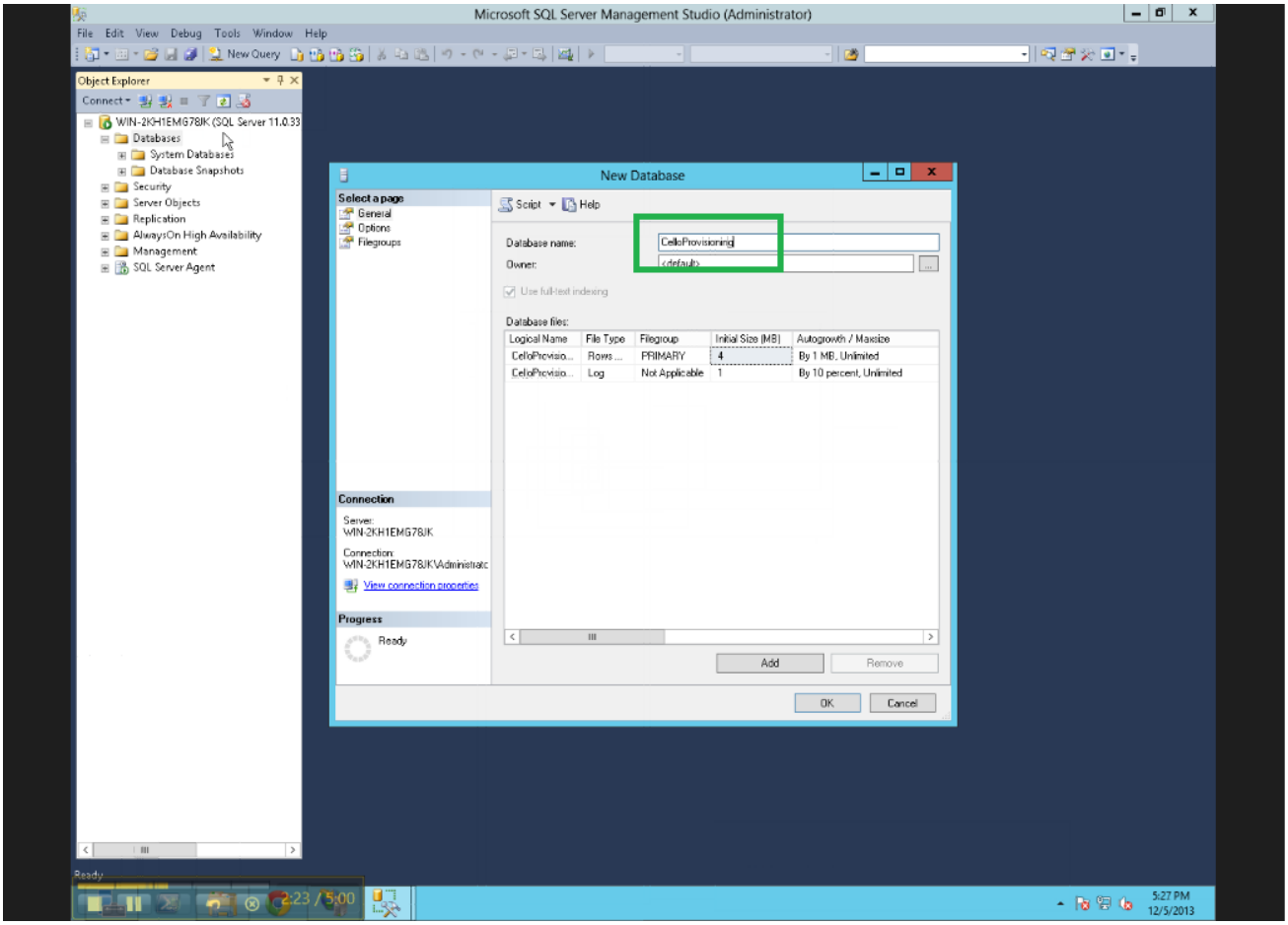
Creating the database and executing the DDL and the DML scripts can be done as follows,

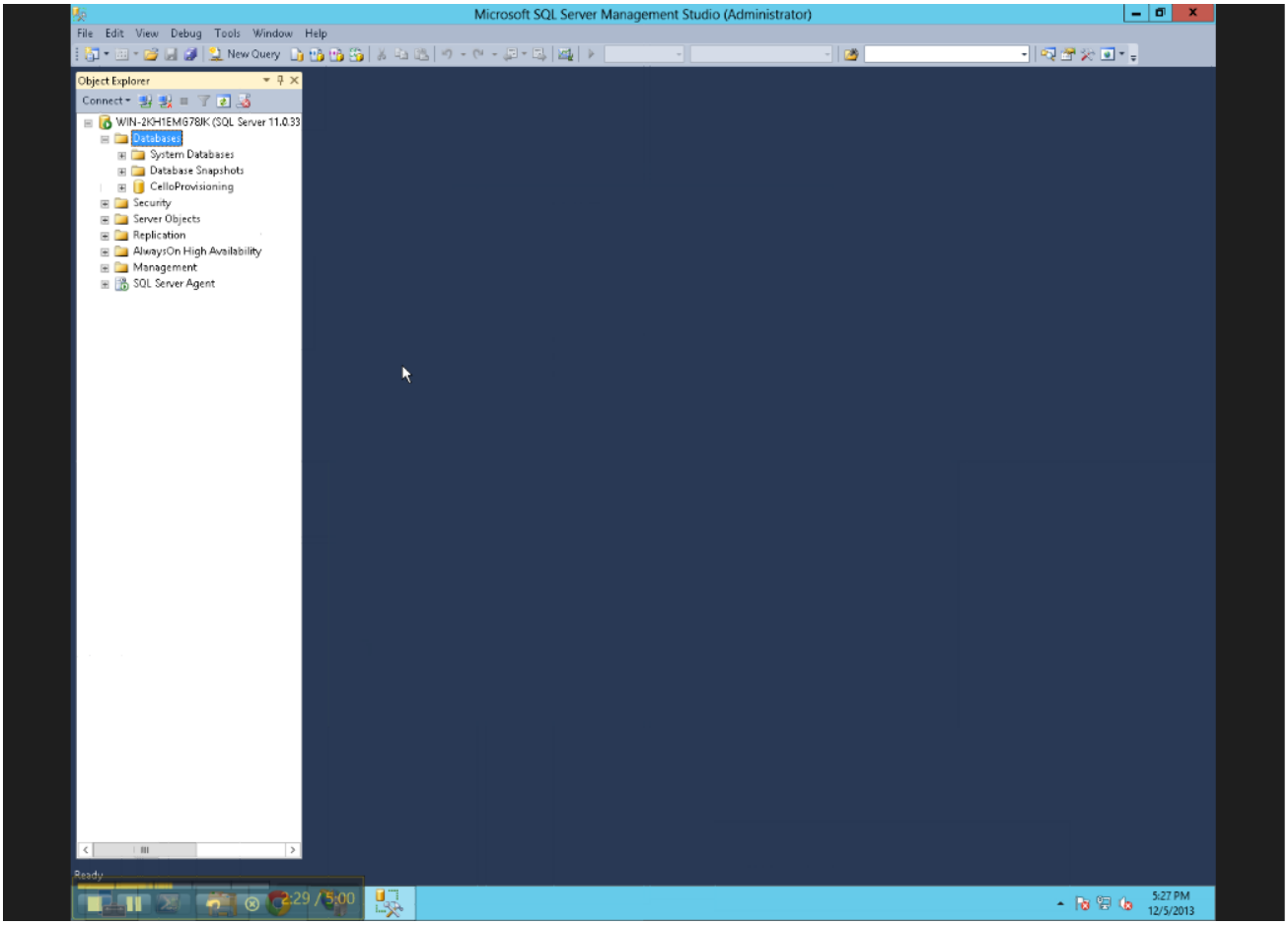


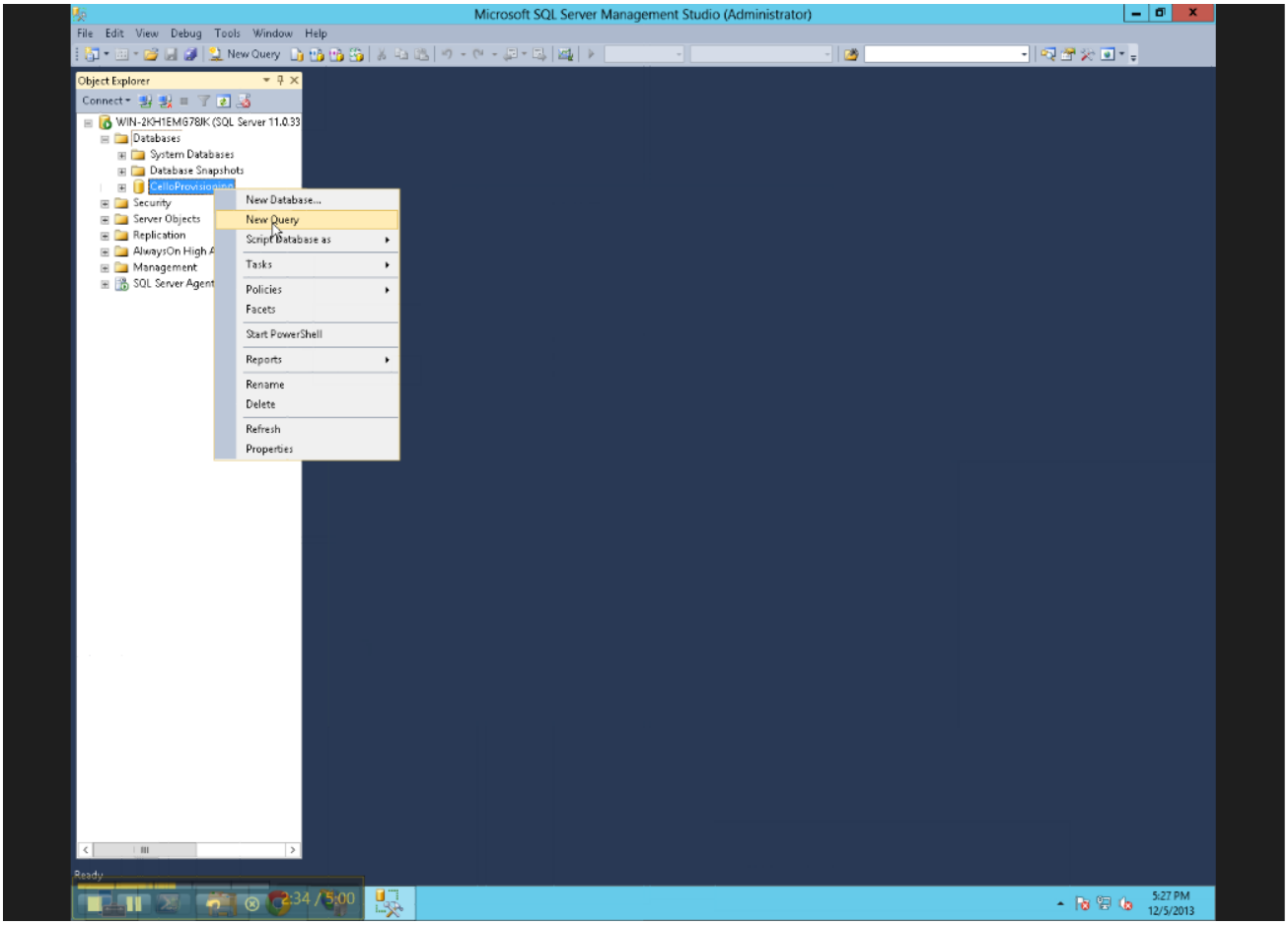

Microsoft SQL Server Management Studio (Administrator)
File Edit View Tools Window Help
New Query
Object Explorer
Connect
Connect to Server
SQL Server 2012
Server type:
Database Engine
Server name:
WIN-2KH1EMG78JK
Authentication:
Windows Authentication
User name:
WIN-2KH1EMG78JK\Administrator
Password:
Remember password
Connect
Cancel
Help
Options >>
5:27 PM
12/5/2013

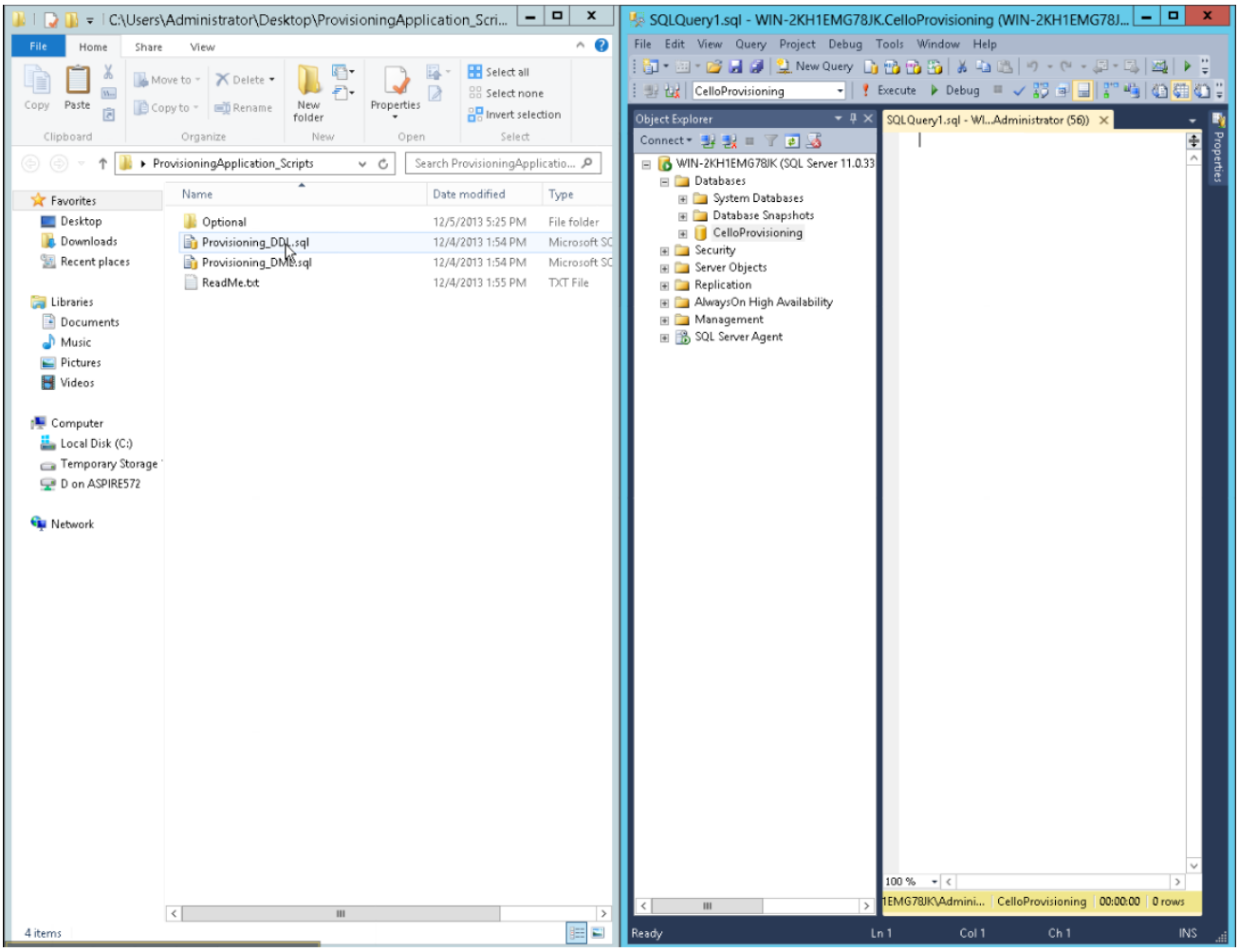

Microsoft SQL Server Management Studio (Administrator)
File Edit View Debug Tools Window Help
New Query
Object Explorer
Connect
WIN-2KH1EMG78IK (SQL Server 11.0.33
Databases
System Databases
Database Snapshots
Security
Server Objects
Replication
AlwaysOn High Availability
Management
SQL Server Agent
Ready
1:55 / 5:00
5:27 PM
12/5/2013

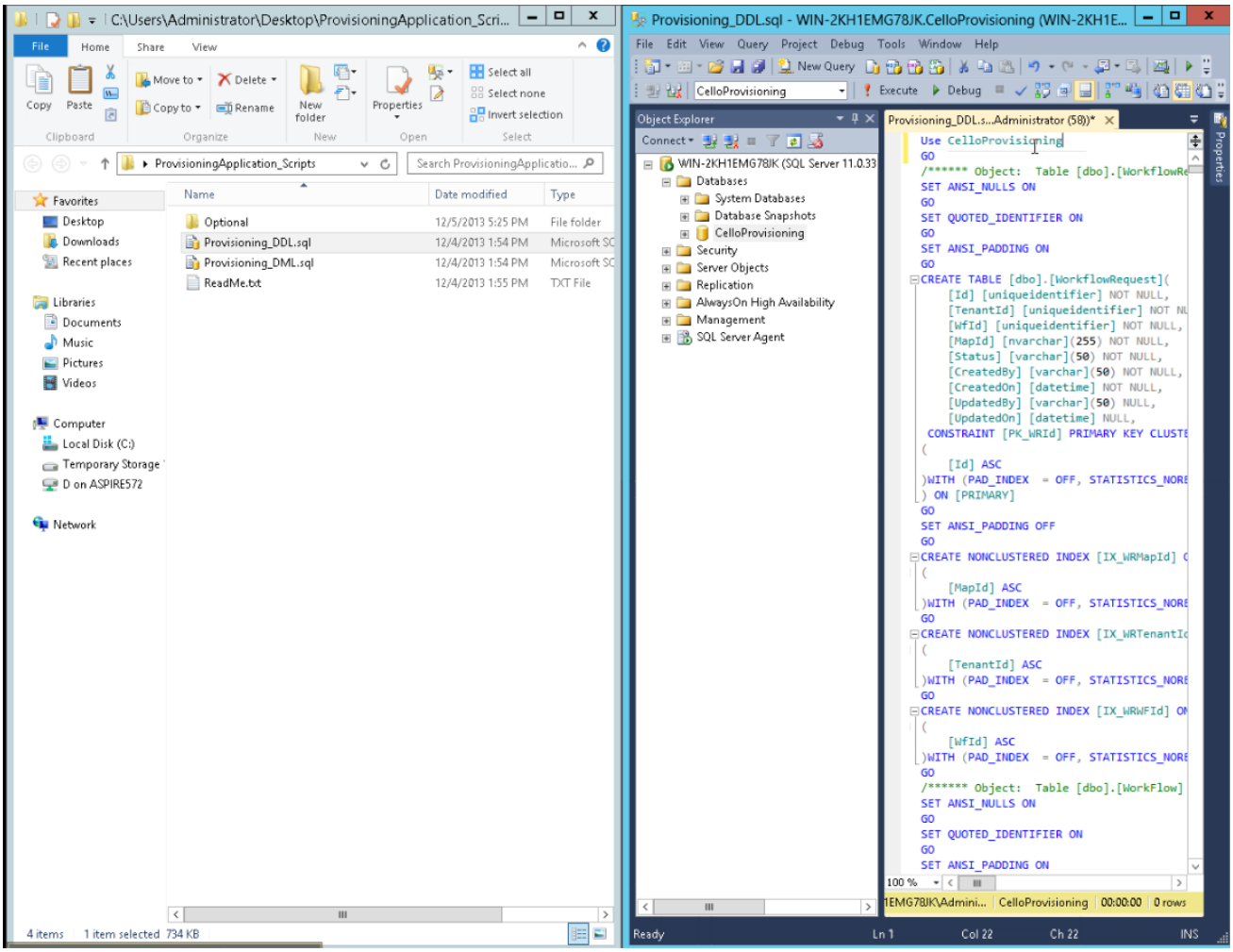

Microsoft SQL Server Management Studio (Administrator)
File Edit View Debug Tools Window Help
New Query
Object Explorer
Connect
New Database...
Attach...
Restore Database...
Restore Files and Filegroups...
Deploy Data-tier Application...
Import Data-tier Application...
Start PowerShell
Reports
Refresh
Ready
5:27 PM
12/5/2013

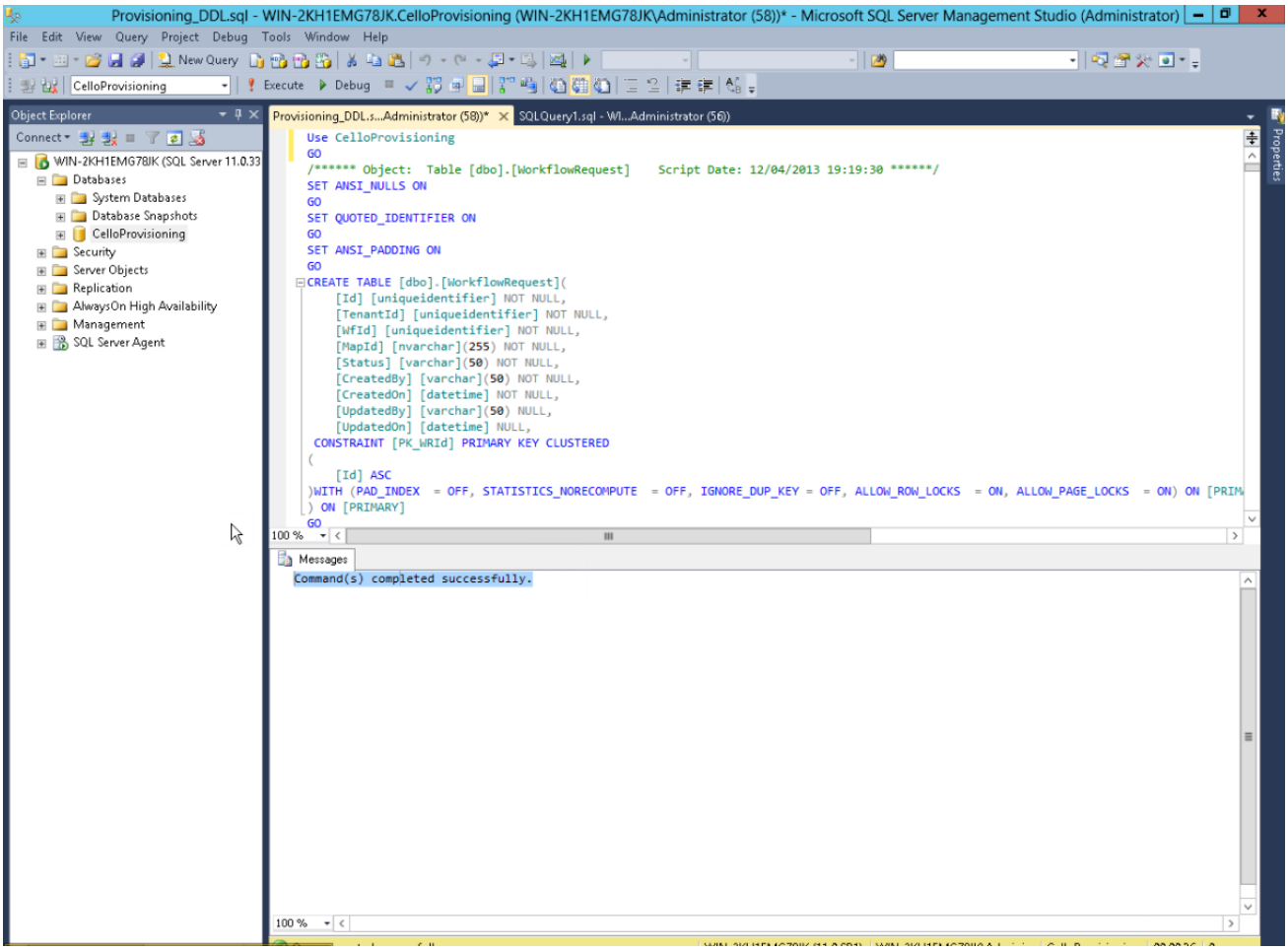

Microsoft SQL Server Management Studio (Administrator)
File Edit View Debug Tools Window Help
New Query
Object Explorer
Connect
WIN-2KH1EMG78JK (SQL Server 11.0.33
Databases
System Databases
Database Snapshots
Security
Server Objects
Replication
AlwaysOn High Availability
Management
SQL Server Agent
New Database
Select a page
General
Options
Filegroups
Script
Help
Database name:
CelloProvisioning
Owner:
<default>
Use full-text indexing
Database files:
Logical Name
File Type
Filegroup
Initial Size (MB)
Autogrowth / Maxsize
CelloProvisio...
Rows ...
PRIMARY
4
By 1 MB, Unlimited
CelloProvisio...
Log
Not Applicable
1
By 10 percent, Unlimited
Connection
Server:
WIN-2KH1EMG78JK
Connection:
WIN-2KH1EMG78JK\Administrato
View connection properties
Progress
Ready
Add
Remove
OK
Cancel
Ready
2:23 / 5:00
5:27 PM
12/5/2013

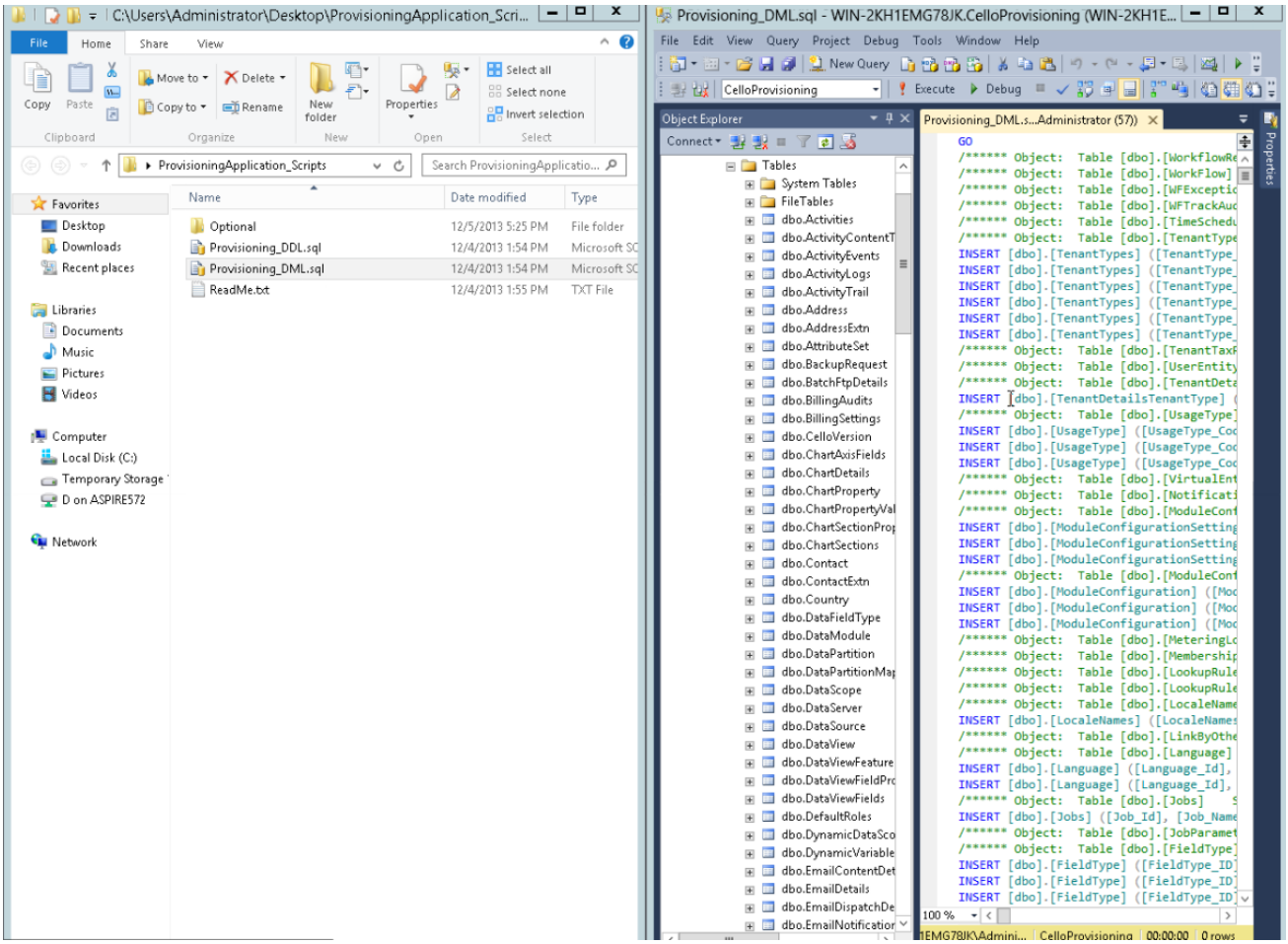

Microsoft SQL Server Management Studio (Administrator)
File Edit View Debug Tools Window Help
New Query
Object Explorer
Connect
WIN-2KH1EMG78IK (SQL Server 11.0.33
Databases
System Databases
Database Snapshots
CelloProvisioning
Security
Server Objects
Replication
AlwaysOn High Availability
Management
SQL Server Agent
Ready
2:29 / 5:00
5:27 PM
12/5/2013

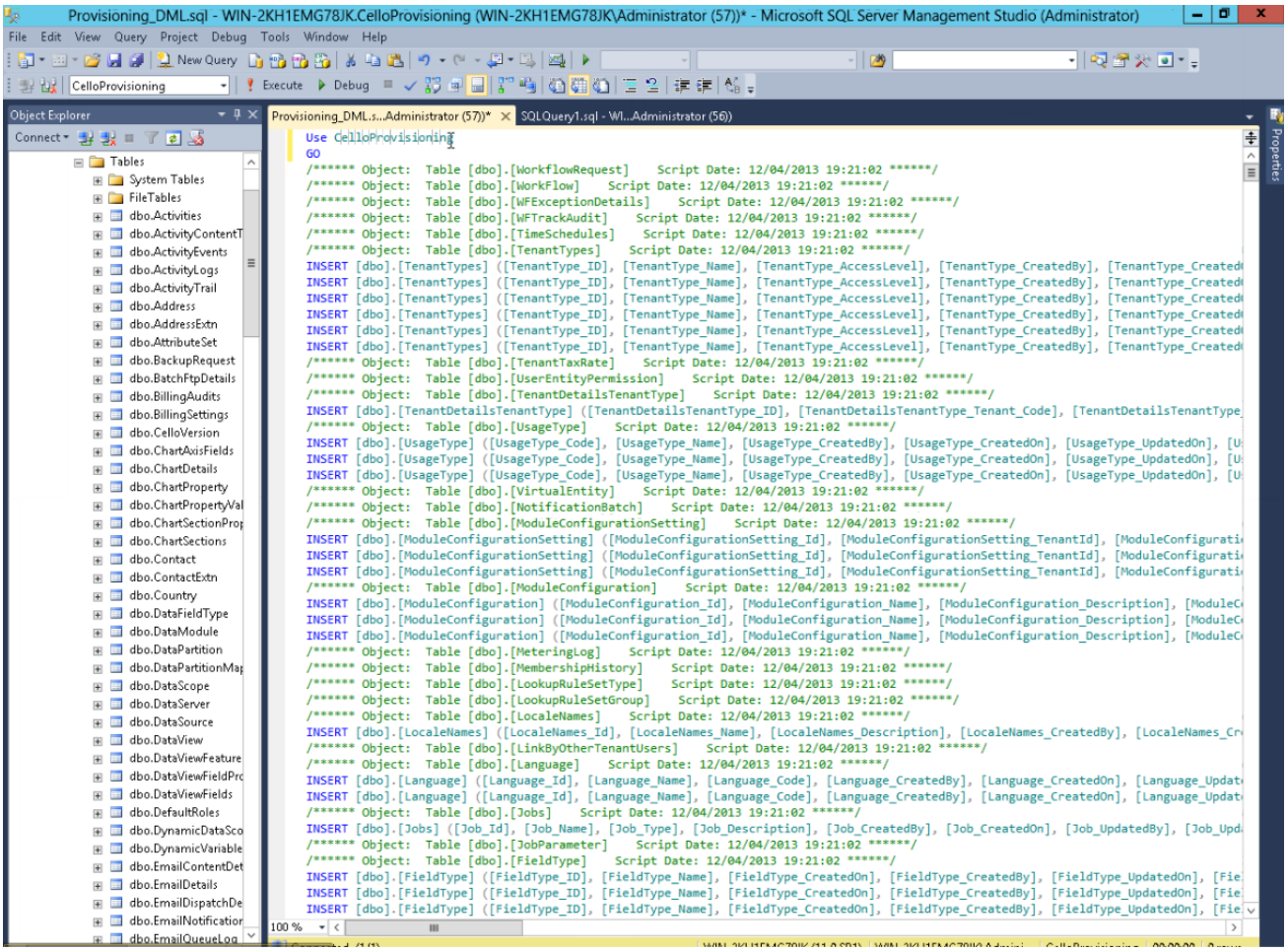

Microsoft SQL Server Management Studio (Administrator)
File Edit View Debug Tools Window Help
New Query
Object Explorer
Connect
WIN-2KH1EMG78IK (SQL Server 11.0.33
Databases
System Databases
Database Snapshots
CelloProvisioning
Security
Server Objects
Replication
AlwaysOn High A
Management
SQL Server Agent
New Database...
New Query
Script Database as
Tasks
Policies
Facets
Start PowerShell
Reports
Rename
Delete
Refresh
Properties
Ready
2:34 / 5:00
5:27 PM
12/5/2013

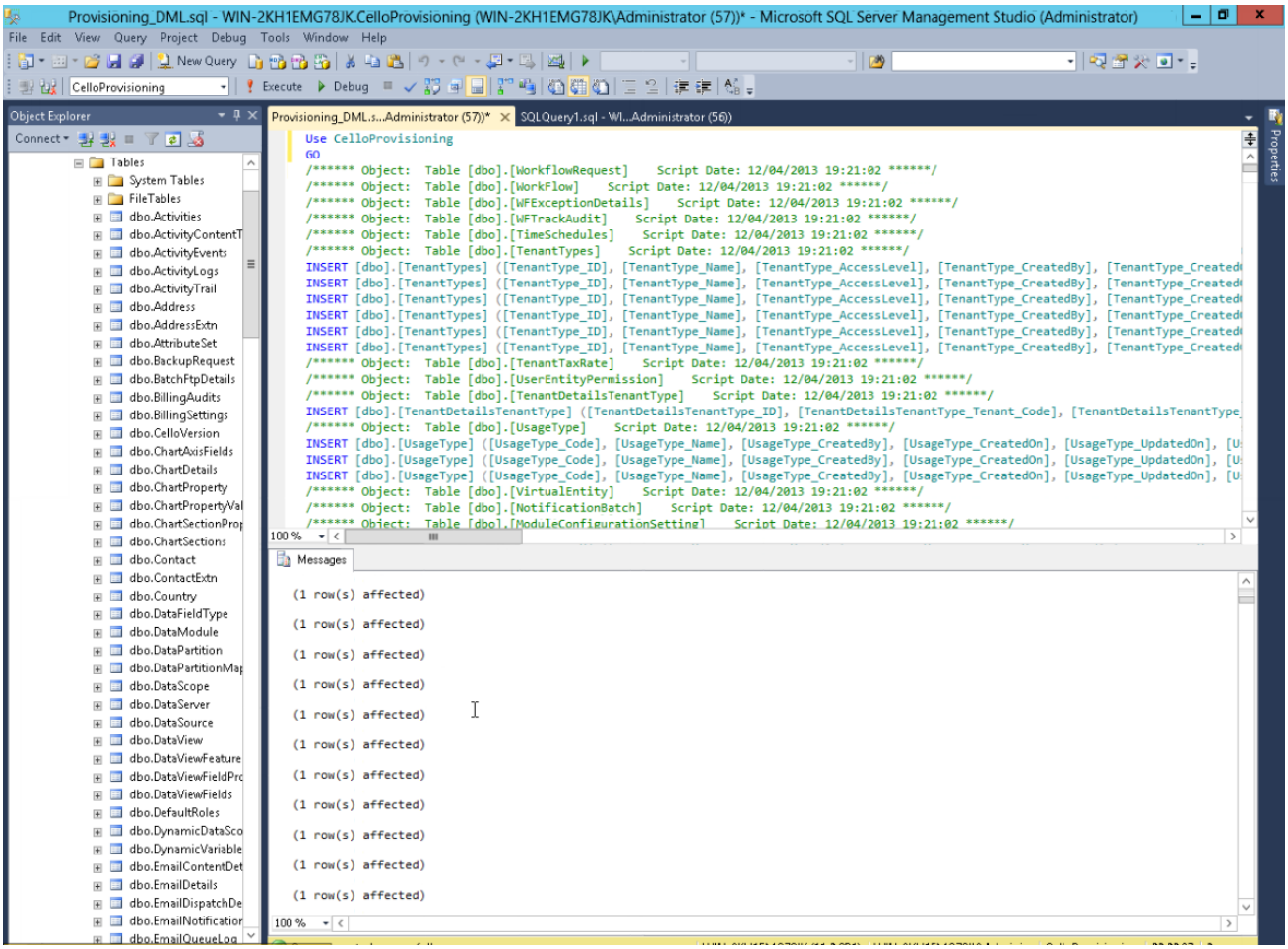

C:\Users\Administrator\Desktop\ProvisioningApplication_Scri...
File
Home
Share
View
Copy
Paste
Move to
Copy to
Delete
Rename
New folder
Properties
Select all
Select none
Invert selection
Clipboard
Organize
New
Open
Select
ProvisioningApplication_Scripts
Search ProvisioningApplicatio...
Favorites
Desktop
Downloads
Recent places
Libraries
Documents
Music
Pictures
Videos
Computer
Local Disk (C:)
Temporary Storage
D on ASPIRE572
Network
Name
Date modified
Type
Optional
12/5/2013 5:25 PM
File folder
Provisioning_DDL.sql
12/4/2013 1:54 PM
Provisioning_DML.sql
12/4/2013 1:54 PM
ReadMe.txt
12/4/2013 1:55 PM
TXT File
4 items
SQLQuery1.sql - WIN-2KH1EMG78JK.CelloProvisioning (WIN-2KH1EMG78J...
File Edit View Query Project Debug Tools Window Help
New Query
CelloProvisioning
Execute
Debug
Object Explorer
Connect
WIN-2KH1EMG78JK (SQL Server 11.0.33
Databases
System Databases
Database Snapshots
CelloProvisioning
Security
Server Objects
Replication
AlwaysOn High Availability
Management
SQL Server Agent
SQLQuery1.sql - WI...Administrator (56))
Properties
100 %
1EMG78JK\Admini...
CelloProvisioning
00:00:00
0 rows
Ready
Ln 1
Col 1
Ch 1
INS


C:\Users\Administrator\Desktop\ProvisioningApplication_Scri...
File
Home
Share
View
Copy
Paste
Move to
Copy to
Delete
Rename
New folder
Properties
Select all
Select none
Invert selection
Clipboard
Organize
New
Open
Select
ProvisioningApplication_Scripts
Search ProvisioningApplicatio...
Favorites
Desktop
Downloads
Recent places
Libraries
Documents
Music
Pictures
Videos
Computer
Local Disk (C:)
Temporary Storage
D on ASPIRE572
Network
Name
Date modified
Type
Optional
12/5/2013 5:25 PM
File folder
Provisioning_DDL.sql
12/4/2013 1:54 PM
Microsoft SC
Provisioning_DML.sql
12/4/2013 1:54 PM
Microsoft SC
ReadMe.txt
12/4/2013 1:55 PM
TXT File
4 items
1 item selected 734 KB
Provisioning_DDL.sql - WIN-2KH1EMG78JK.CelloProvisioning (WIN-2KH1E...
File Edit View Query Project Debug Tools Window Help
New Query
CelloProvisioning
Execute
Debug
Object Explorer
Connect
WIN-2KH1EMG78JK (SQL Server 11.0.33
Databases
System Databases
Database Snapshots
CelloProvisioning
Security
Server Objects
Replication
AlwaysOn High Availability
Management
SQL Server Agent
Provisioning_DDL.s...Administrator (58))*
Use CelloProvisioning
GO
/****** Object: Table [dbo].[WorkflowRe
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
SET ANSI_PADDING ON
GO
CREATE TABLE [dbo].[WorkflowRequest](
[Id] [uniqueidentifier] NOT NULL,
[TenantId] [uniqueidentifier] NOT NU
[WfId] [uniqueidentifier] NOT NULL,
[MapId] [nvarchar](255) NOT NULL,
[Status] [varchar](50) NOT NULL,
[CreatedBy] [varchar](50) NOT NULL,
[CreatedOn] [datetime] NOT NULL,
[UpdatedBy] [varchar](50) NULL,
[UpdatedOn] [datetime] NULL,
CONSTRAINT [PK_WRId] PRIMARY KEY CLUSTE
(
[Id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORE
) ON [PRIMARY]
GO
SET ANSI_PADDING OFF
GO
CREATE NONCLUSTERED INDEX [IX_WRMapId] C
(
[MapId] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORE
GO
CREATE NONCLUSTERED INDEX [IX_WRTenantId
(
[TenantId] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORE
GO
CREATE NONCLUSTERED INDEX [IX_WRWFId] ON
(
[WfId] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORE
GO
/****** Object: Table [dbo].[WorkFlow]
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
SET ANSI_PADDING ON
100 %
1EMG78JK\Admini...
CelloProvisioning
00:00:00
0 rows
Ready
Ln 1
Col 22
Ch 22
INS
Properties


Provisioning_DDL.sql - WIN-2KH1EMG78JK.CelloProvisioning (WIN-2KH1EMG78JK\Administrator (58))* - Microsoft SQL Server Management Studio (Administrator)
File Edit View Query Project Debug Tools Window Help
New Query
CelloProvisioning
Execute Debug
Object Explorer
Connect
WIN-2KH1EMG78JK (SQL Server 11.0.33
Databases
System Databases
Database Snapshots
CelloProvisioning
Security
Server Objects
Replication
AlwaysOn High Availability
Management
SQL Server Agent
Provisioning_DDL.s...Administrator (58))*
SQLQuery1.sql - WI...Administrator (56))
Use CelloProvisioning
GO
/****** Object: Table [dbo].[WorkflowRequest] Script Date: 12/04/2013 19:19:30 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
SET ANSI_PADDING ON
GO
CREATE TABLE [dbo].[WorkflowRequest](
[Id] [uniqueidentifier] NOT NULL,
[TenantId] [uniqueidentifier] NOT NULL,
[WfId] [uniqueidentifier] NOT NULL,
[MapId] [nvarchar](255) NOT NULL,
[Status] [varchar](50) NOT NULL,
[CreatedBy] [varchar](50) NOT NULL,
[CreatedOn] [datetime] NOT NULL,
[UpdatedBy] [varchar](50) NULL,
[UpdatedOn] [datetime] NULL,
CONSTRAINT [PK_WRId] PRIMARY KEY CLUSTERED
(
[Id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIM
) ON [PRIMARY]
GO
100 %
Messages
Command(s) completed successfully.
100 %
Properties

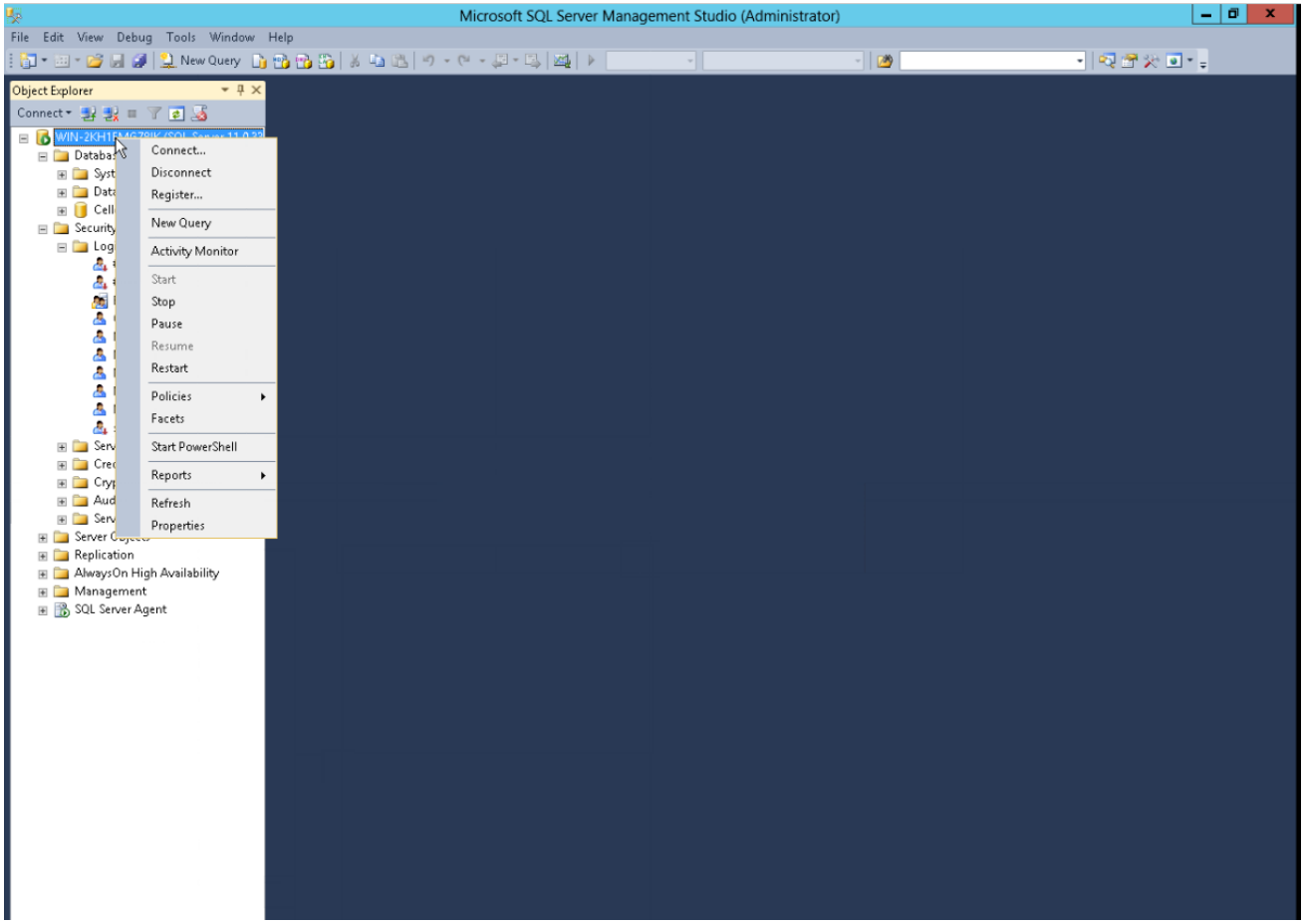

C:\Users\Administrator\Desktop\ProvisioningApplication_Scri...
File
Home
Share
View
Copy
Paste
Move to
Copy to
Delete
Rename
New folder
Properties
Select all
Select none
Invert selection
Clipboard
Organize
New
Open
Select
ProvisioningApplication_Scripts
Search ProvisioningApplicatio...
Favorites
Desktop
Downloads
Recent places
Libraries
Documents
Music
Pictures
Videos
Computer
Local Disk (C:)
Temporary Storage
D on ASPIRE572
Network
Name
Date modified
Type
Optional
12/5/2013 5:25 PM
File folder
Provisioning_DDL.sql
12/4/2013 1:54 PM
Provisioning_DML.sql
12/4/2013 1:54 PM
ReadMe.txt
12/4/2013 1:55 PM
TXT File
Provisioning_DML.sql - WIN-2KH1EMG78JK.CelloProvisioning (WIN-2KH1E...
File Edit View Query Project Debug Tools Window Help
New Query
CelloProvisioning
Execute
Debug
Object Explorer
Connect
Tables
System Tables
FileTables
dbo.Activities
dbo.ActivityEvents
dbo.ActivityLogs
dbo.ActivityTrail
dbo.Address
dbo.AddressExtn
dbo.AttributeSet
dbo.BackupRequest
dbo.BatchFtpDetails
dbo.BillingAudits
dbo.BillingSettings
dbo.CelloVersion
dbo.ChartAxisFields
dbo.ChartDetails
dbo.ChartProperty
dbo.ChartSectionProp
dbo.ChartSections
dbo.Contact
dbo.ContactExtn
dbo.Country
dbo.DataFieldType
dbo.DataModule
dbo.DataPartition
dbo.DataScope
dbo.DataServer
dbo.DataSource
dbo.DataView
dbo.DataViewFeature
dbo.DataViewFields
dbo.DefaultRoles
dbo.EmailDetails
dbo.EmailNotificatior
Provisioning_DML.s....Administrator (57))
GO
INSERT [dbo].[TenantDetailsTenantType]
INSERT [dbo].[UsageType] ([UsageType_Co
INSERT [dbo].[ModuleConfigurationSetting
INSERT [dbo].[ModuleConfiguration] ([Mod
INSERT [dbo].[Language] ([Language_Id],
INSERT [dbo].[Jobs] ([Job_Id], [Job_Name
INSERT [dbo].[FieldType] ([FieldType_ID]
100 %
CelloProvisioning
00:00:00
0 rows

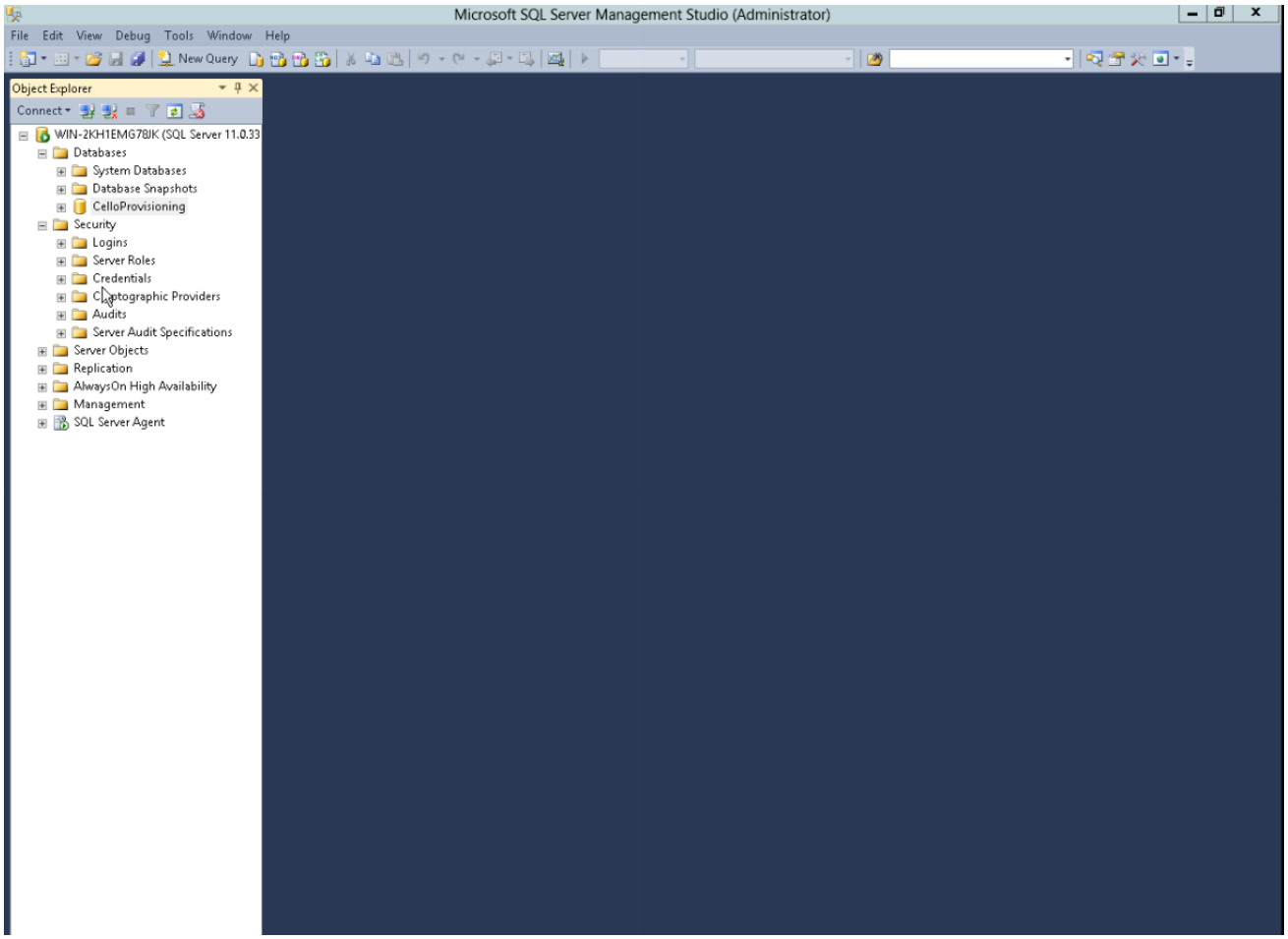

Provisioning_DML.sql - WIN-2KH1EMG78JK.CelloProvisioning (WIN-2KH1EMG78JK\Administrator (57))* - Microsoft SQL Server Management Studio (Administrator)
File Edit View Query Project Debug Tools Window Help
New Query
CelloProvisioning
Execute Debug
Object Explorer
Connect
Tables
System Tables
FileTables
dbo.Activities
dbo.ActivityContentT
dbo.ActivityEvents
dbo.ActivityLogs
dbo.ActivityTrail
dbo.Address
dbo.AddressExtn
dbo.AttributeSet
dbo.BackupRequest
dbo.BatchFtpDetails
dbo.BillingAudits
dbo.BillingSettings
dbo.CelloVersion
dbo.ChartAxisFields
dbo.ChartDetails
dbo.ChartProperty
dbo.ChartPropertyVal
dbo.ChartSectionProp
dbo.ChartSections
dbo.Contact
dbo.ContactExtn
dbo.Country
dbo.DataFieldType
dbo.DataModule
dbo.DataPartition
dbo.DataPartitionMap
dbo.DataScope
dbo.DataServer
dbo.DataSource
dbo.DataView
dbo.DataViewFeature
dbo.DataViewFieldPrc
dbo.DataViewFields
dbo.DefaultRoles
dbo.DynamicDataSco
dbo.DynamicVariable
dbo.EmailContentDet
dbo.EmailDetails
dbo.EmailDispatchDe
dbo.EmailNotificatior
dbo.EmailQueueLog
Provisioning_DML.s...Administrator (57))*
SQLQuery1.sql - WI...Administrator (56))
Use CelloProvisioning
GO
/****** Object: Table [dbo].[WorkflowRequest] Script Date: 12/04/2013 19:21:02 ******/
/****** Object: Table [dbo].[WorkFlow] Script Date: 12/04/2013 19:21:02 ******/
/****** Object: Table [dbo].[WFExceptionDetails] Script Date: 12/04/2013 19:21:02 ******/
/****** Object: Table [dbo].[WFTrackAudit] Script Date: 12/04/2013 19:21:02 ******/
/****** Object: Table [dbo].[TimeSchedules] Script Date: 12/04/2013 19:21:02 ******/
/****** Object: Table [dbo].[TenantTypes] Script Date: 12/04/2013 19:21:02 ******/
INSERT [dbo].[TenantTypes] ([TenantType_ID], [TenantType_Name], [TenantType_AccessLevel], [TenantType_CreatedBy], [TenantType_Created
INSERT [dbo].[TenantTypes] ([TenantType_ID], [TenantType_Name], [TenantType_AccessLevel], [TenantType_CreatedBy], [TenantType_Created
INSERT [dbo].[TenantTypes] ([TenantType_ID], [TenantType_Name], [TenantType_AccessLevel], [TenantType_CreatedBy], [TenantType_Created
INSERT [dbo].[TenantTypes] ([TenantType_ID], [TenantType_Name], [TenantType_AccessLevel], [TenantType_CreatedBy], [TenantType_Created
INSERT [dbo].[TenantTypes] ([TenantType_ID], [TenantType_Name], [TenantType_AccessLevel], [TenantType_CreatedBy], [TenantType_Created
INSERT [dbo].[TenantTypes] ([TenantType_ID], [TenantType_Name], [TenantType_AccessLevel], [TenantType_CreatedBy], [TenantType_Created
/****** Object: Table [dbo].[TenantTaxRate] Script Date: 12/04/2013 19:21:02 ******/
/****** Object: Table [dbo].[UserEntityPermission] Script Date: 12/04/2013 19:21:02 ******/
/****** Object: Table [dbo].[TenantDetailsTenantType] Script Date: 12/04/2013 19:21:02 ******/
INSERT [dbo].[TenantDetailsTenantType] ([TenantDetailsTenantType_ID], [TenantDetailsTenantType_Tenant_Code], [TenantDetailsTenantType_
/****** Object: Table [dbo].[UsageType] Script Date: 12/04/2013 19:21:02 ******/
INSERT [dbo].[UsageType] ([UsageType_Code], [UsageType_Name], [UsageType_CreatedBy], [UsageType_CreatedOn], [UsageType_UpdatedOn], [U
INSERT [dbo].[UsageType] ([UsageType_Code], [UsageType_Name], [UsageType_CreatedBy], [UsageType_CreatedOn], [UsageType_UpdatedOn], [U
INSERT [dbo].[UsageType] ([UsageType_Code], [UsageType_Name], [UsageType_CreatedBy], [UsageType_CreatedOn], [UsageType_UpdatedOn], [U
/****** Object: Table [dbo].[VirtualEntity] Script Date: 12/04/2013 19:21:02 ******/
/****** Object: Table [dbo].[NotificationBatch] Script Date: 12/04/2013 19:21:02 ******/
/****** Object: Table [dbo].[ModuleConfigurationSetting] Script Date: 12/04/2013 19:21:02 ******/
INSERT [dbo].[ModuleConfigurationSetting] ([ModuleConfigurationSetting_Id], [ModuleConfigurationSetting_TenantId], [ModuleConfiguratia
INSERT [dbo].[ModuleConfigurationSetting] ([ModuleConfigurationSetting_Id], [ModuleConfigurationSetting_TenantId], [ModuleConfiguratia
INSERT [dbo].[ModuleConfigurationSetting] ([ModuleConfigurationSetting_Id], [ModuleConfigurationSetting_TenantId], [ModuleConfiguratia
/****** Object: Table [dbo].[ModuleConfiguration] Script Date: 12/04/2013 19:21:02 ******/
INSERT [dbo].[ModuleConfiguration] ([ModuleConfiguration_Id], [ModuleConfiguration_Name], [ModuleConfiguration_Description], [ModuleC
INSERT [dbo].[ModuleConfiguration] ([ModuleConfiguration_Id], [ModuleConfiguration_Name], [ModuleConfiguration_Description], [ModuleC
INSERT [dbo].[ModuleConfiguration] ([ModuleConfiguration_Id], [ModuleConfiguration_Name], [ModuleConfiguration_Description], [ModuleC
/****** Object: Table [dbo].[MeteringLog] Script Date: 12/04/2013 19:21:02 ******/
/****** Object: Table [dbo].[MembershipHistory] Script Date: 12/04/2013 19:21:02 ******/
/****** Object: Table [dbo].[LookupRuleSetType] Script Date: 12/04/2013 19:21:02 ******/
/****** Object: Table [dbo].[LookupRuleSetGroup] Script Date: 12/04/2013 19:21:02 ******/
/****** Object: Table [dbo].[LocaleNames] Script Date: 12/04/2013 19:21:02 ******/
INSERT [dbo].[LocaleNames] ([LocaleNames_Id], [LocaleNames_Name], [LocaleNames_Description], [LocaleNames_CreatedBy], [LocaleNames_Cr
/****** Object: Table [dbo].[LinkByOtherTenantUsers] Script Date: 12/04/2013 19:21:02 ******/
/****** Object: Table [dbo].[Language] Script Date: 12/04/2013 19:21:02 ******/
INSERT [dbo].[Language] ([Language_Id], [Language_Name], [Language_Code], [Language_CreatedBy], [Language_CreatedOn], [Language_Updat
INSERT [dbo].[Language] ([Language_Id], [Language_Name], [Language_Code], [Language_CreatedBy], [Language_CreatedOn], [Language_Updat
/****** Object: Table [dbo].[Jobs] Script Date: 12/04/2013 19:21:02 ******/
INSERT [dbo].[Jobs] ([Job_Id], [Job_Name], [Job_Type], [Job_Description], [Job_CreatedBy], [Job_CreatedOn], [Job_UpdatedBy], [Job_Upd
/****** Object: Table [dbo].[JobParameter] Script Date: 12/04/2013 19:21:02 ******/
/****** Object: Table [dbo].[FieldType] Script Date: 12/04/2013 19:21:02 ******/
INSERT [dbo].[FieldType] ([FieldType_ID], [FieldType_Name], [FieldType_CreatedOn], [FieldType_CreatedBy], [FieldType_UpdatedOn], [Fie
INSERT [dbo].[FieldType] ([FieldType_ID], [FieldType_Name], [FieldType_CreatedOn], [FieldType_CreatedBy], [FieldType_UpdatedOn], [Fie
INSERT [dbo].[FieldType] ([FieldType_ID], [FieldType_Name], [FieldType_CreatedOn], [FieldType_CreatedBy], [FieldType_UpdatedOn], [Fie
100 %
Properties

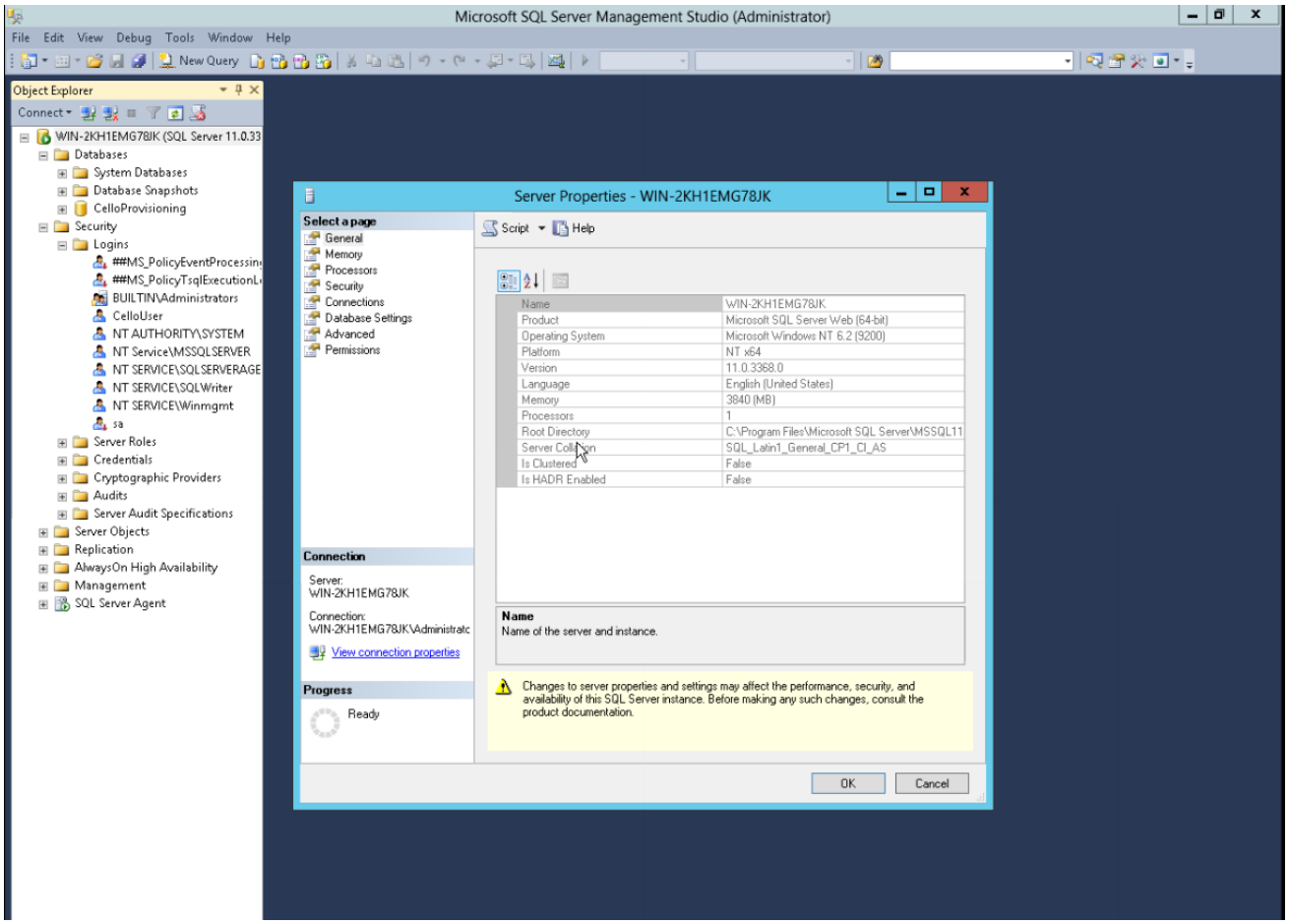


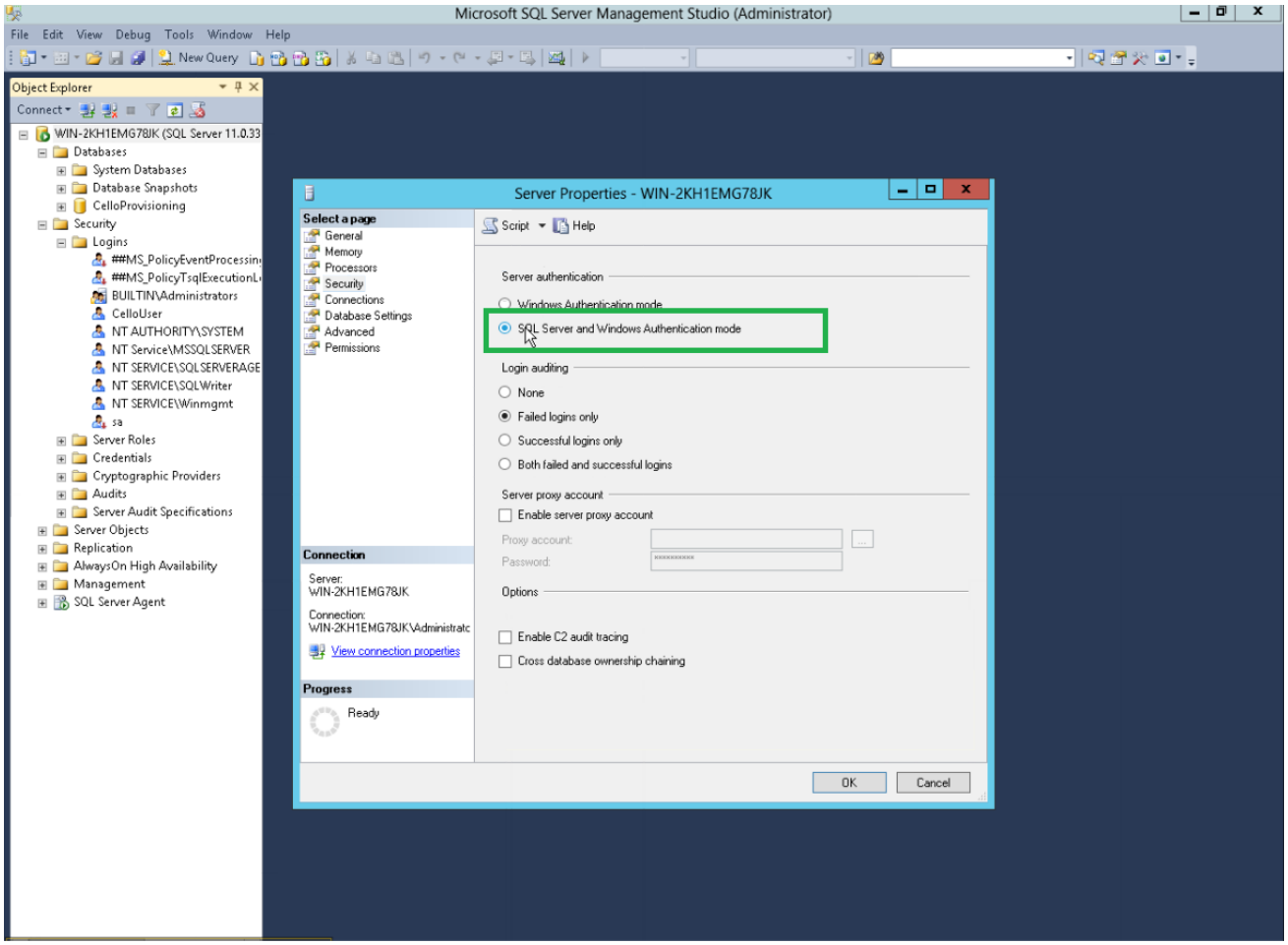
3.1.1 Database User for Application

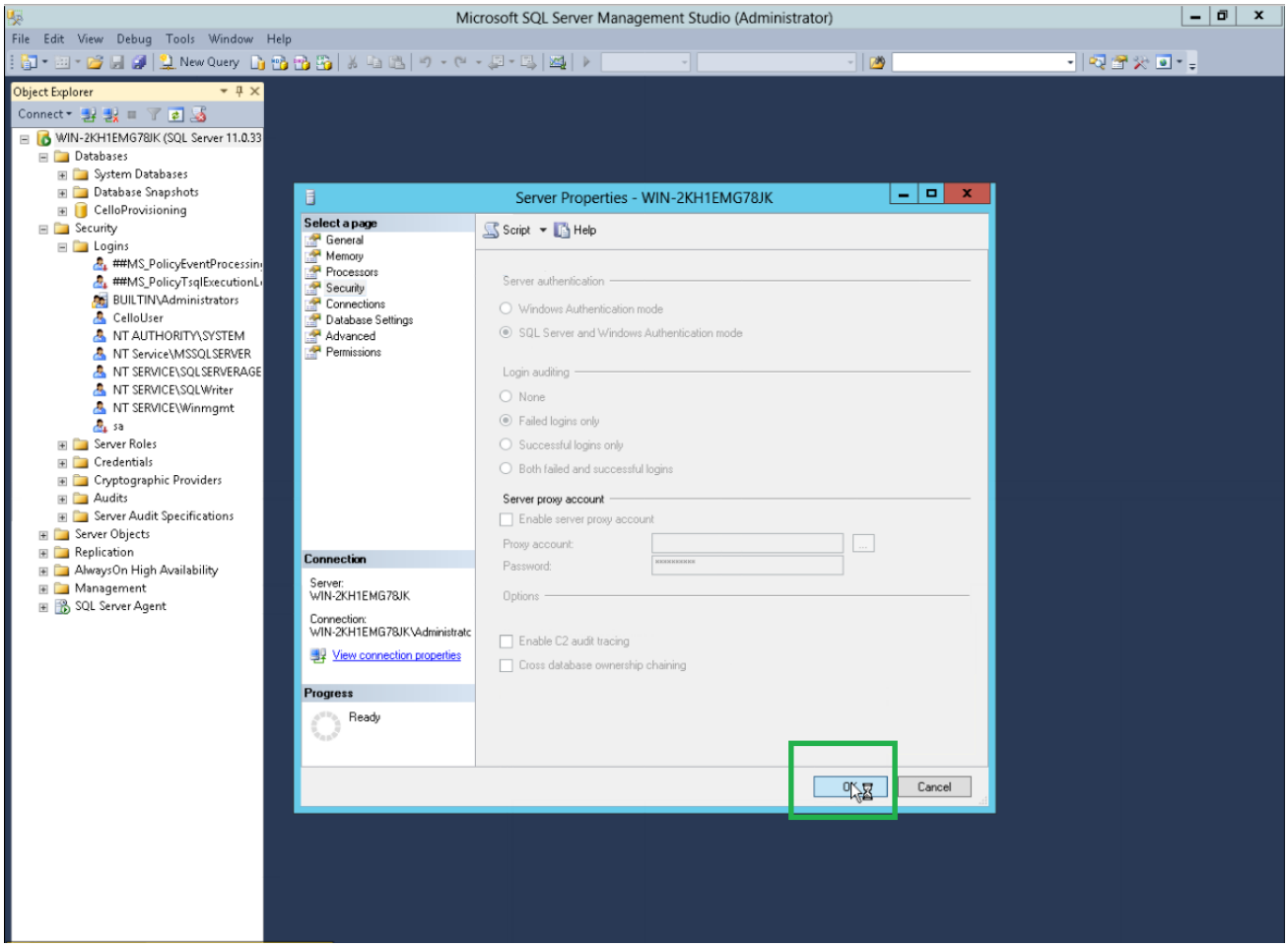
The following are the steps involved in the process of enabling the mixed mode of authentication in the SQL Server

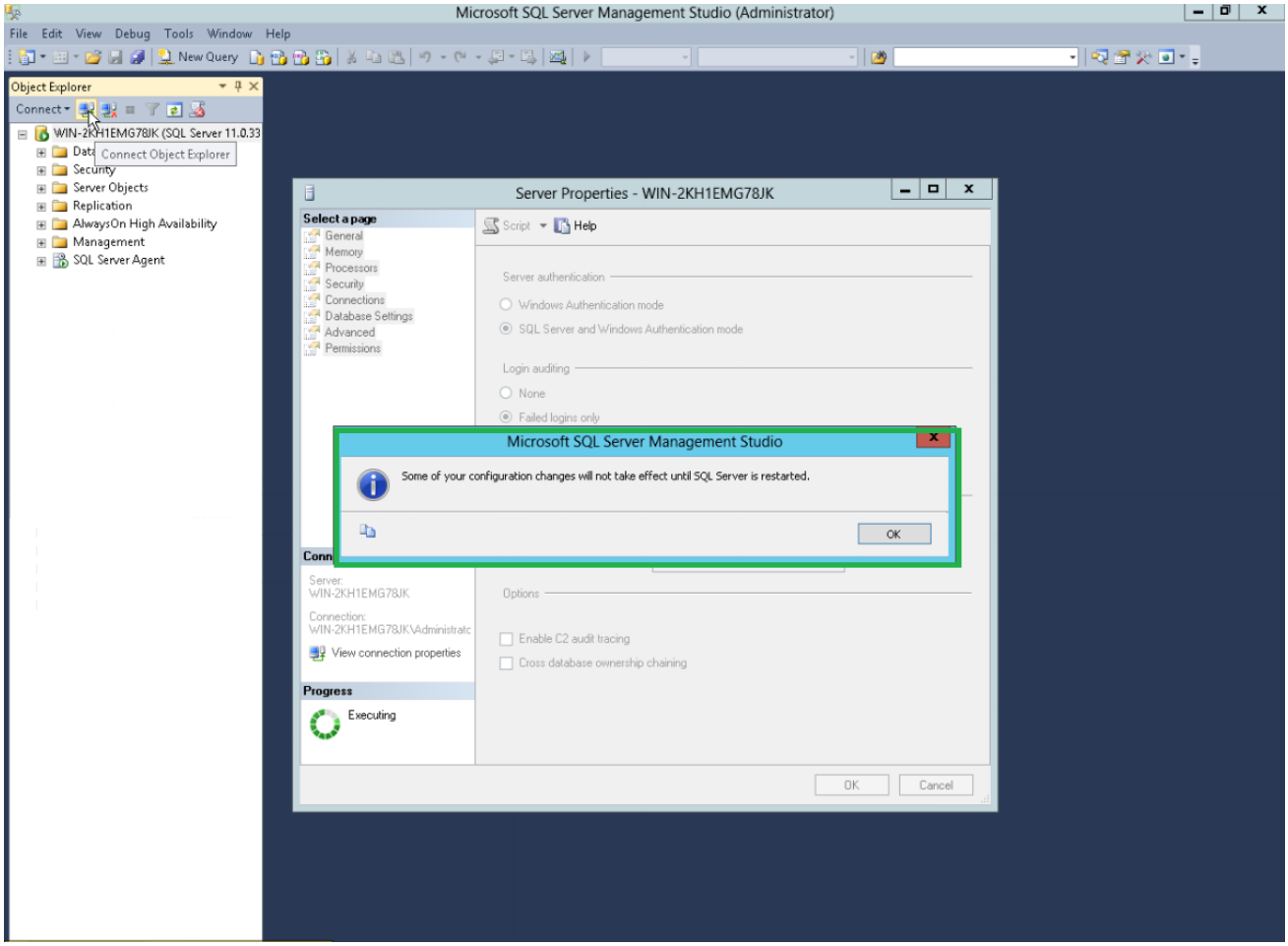

Microsoft SQL Server Management Studio (Administrator)
File Edit View Debug Tools Window Help
New Query
Object Explorer
Connect
Connect...
Disconnect
Register...
New Query
Activity Monitor
Start
Stop
Pause
Resume
Restart
Policies
Facets
Start PowerShell
Reports
Refresh
Properties
Replication
AlwaysOn High Availability
Management
SQL Server Agent

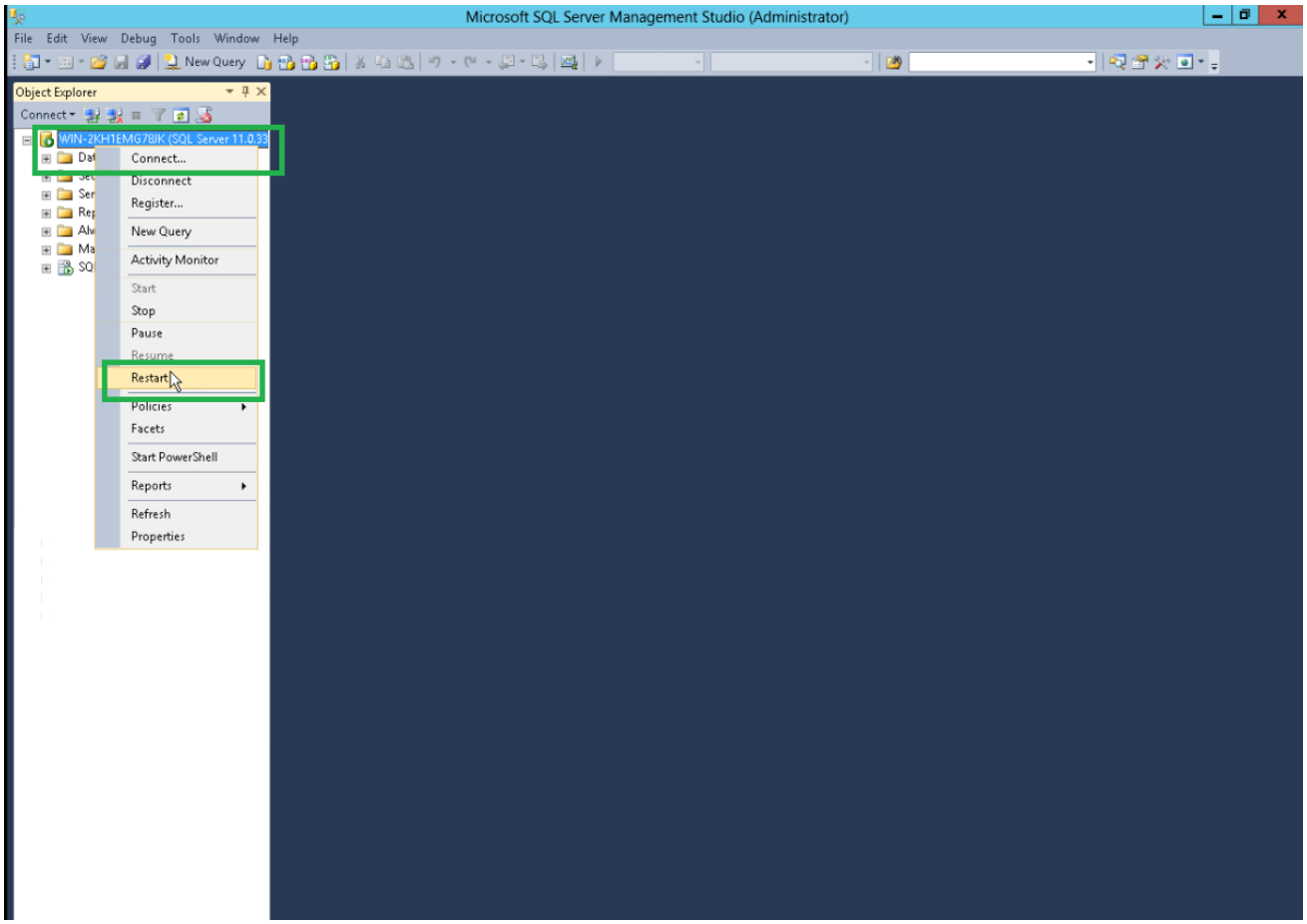

Microsoft SQL Server Management Studio (Administrator)
File Edit View Debug Tools Window Help
New Query
Object Explorer
Connect
WIN-2KH1EMG78IK (SQL Server 11.0.33
Databases
System Databases
Database Snapshots
CelloProvisioning
Security
Logins
Server Roles
Credentials
Cryptographic Providers
Audits
Server Audit Specifications
Server Objects
Replication
AlwaysOn High Availability
Management
SQL Server Agent

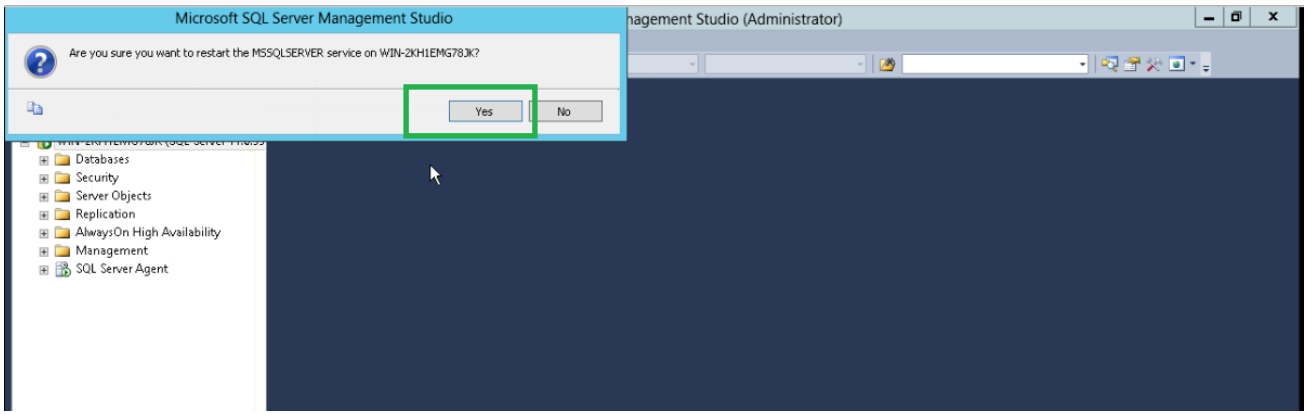

Microsoft SQL Server Management Studio (Administrator)
File Edit View Debug Tools Window Help
New Query
Object Explorer
Connect
WIN-2KH1EMG78JK (SQL Server 11.0.33
Databases
System Databases
Database Snapshots
CelloProvisioning
Security
Logins
##MS_PolicyEventProcessin
##MS_PolicyTsqlExecutionL
BUILTIN\Administrators
CelloUser
NT AUTHORITY\SYSTEM
NT Service\MSSQLSERVER
NT SERVICE\SQLSERVERAGE
NT SERVICE\SQLWriter
NT SERVICE\Winmgmt
sa
Server Roles
Credentials
Cryptographic Providers
Audits
Server Audit Specifications
Server Objects
Replication
AlwaysOn High Availability
Management
SQL Server Agent
Server Properties - WIN-2KH1EMG78JK
Select a page
General
Memory
Processors
Security
Connections
Database Settings
Advanced
Permissions
Script
Help
Name WIN-2KH1EMG78JK
Product Microsoft SQL Server Web (64-bit)
Operating System Microsoft Windows NT 6.2 (9200)
Platform NT x64
Version 11.0.3368.0
Language English (United States)
Memory 3840 (MB)
Processors 1
Root Directory C:\Program Files\Microsoft SQL Server\MSSQL11
Server Collation SQL_Latin1_General_CP1_CI_AS
Is Clustered False
Is HADR Enabled False
Connection
Server:
WIN-2KH1EMG78JK
Connection:
WIN-2KH1EMG78JK\Administrato
View connection properties
Progress
Ready
Name
Name of the server and instance.
Changes to server properties and settings may affect the performance, security, and availability of this SQL Server instance. Before making any such changes, consult the product documentation.
OK
Cancel

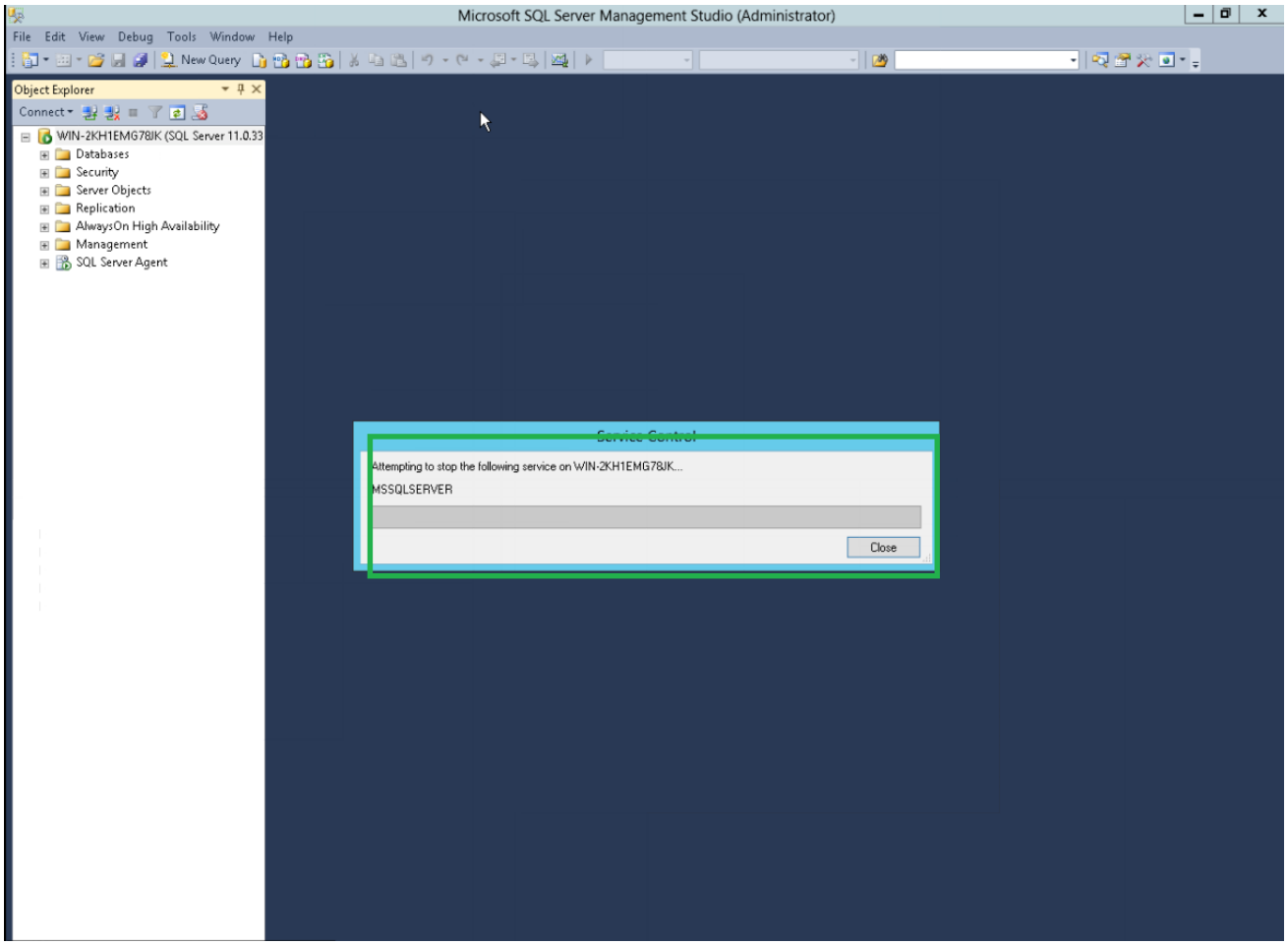

Microsoft SQL Server Management Studio (Administrator)
File Edit View Debug Tools Window Help
New Query
Object Explorer
Connect
WIN-2KH1EMG78JK (SQL Server 11.0.33
Databases
System Databases
Database Snapshots
CelloProvisioning
Security
Logins
##MS_PolicyEventProcessin
##MS_PolicyTsqlExecutionL
BUILTIN\Administrators
CelloUser
NT AUTHORITY\SYSTEM
NT Service\MSSQLSERVER
NT SERVICE\SQLSERVERAGE
NT SERVICE\SQLWriter
NT SERVICE\Winmgmt
sa
Server Roles
Credentials
Cryptographic Providers
Audits
Server Audit Specifications
Server Objects
Replication
AlwaysOn High Availability
Management
SQL Server Agent
Server Properties - WIN-2KH1EMG78JK
Select a page
General
Memory
Processors
Security
Connections
Database Settings
Advanced
Permissions
Script
Help
Server authentication
Windows Authentication mode
SQL Server and Windows Authentication mode
Login auditing
None
Failed logins only
Successful logins only
Both failed and successful logins
Server proxy account
Enable server proxy account
Proxy account:
Password:
Options
Enable C2 audit tracing
Cross database ownership chaining
Connection
Server:
WIN-2KH1EMG78JK
Connection:
WIN-2KH1EMG78JK\Administratc
View connection properties
Progress
Ready
OK
Cancel

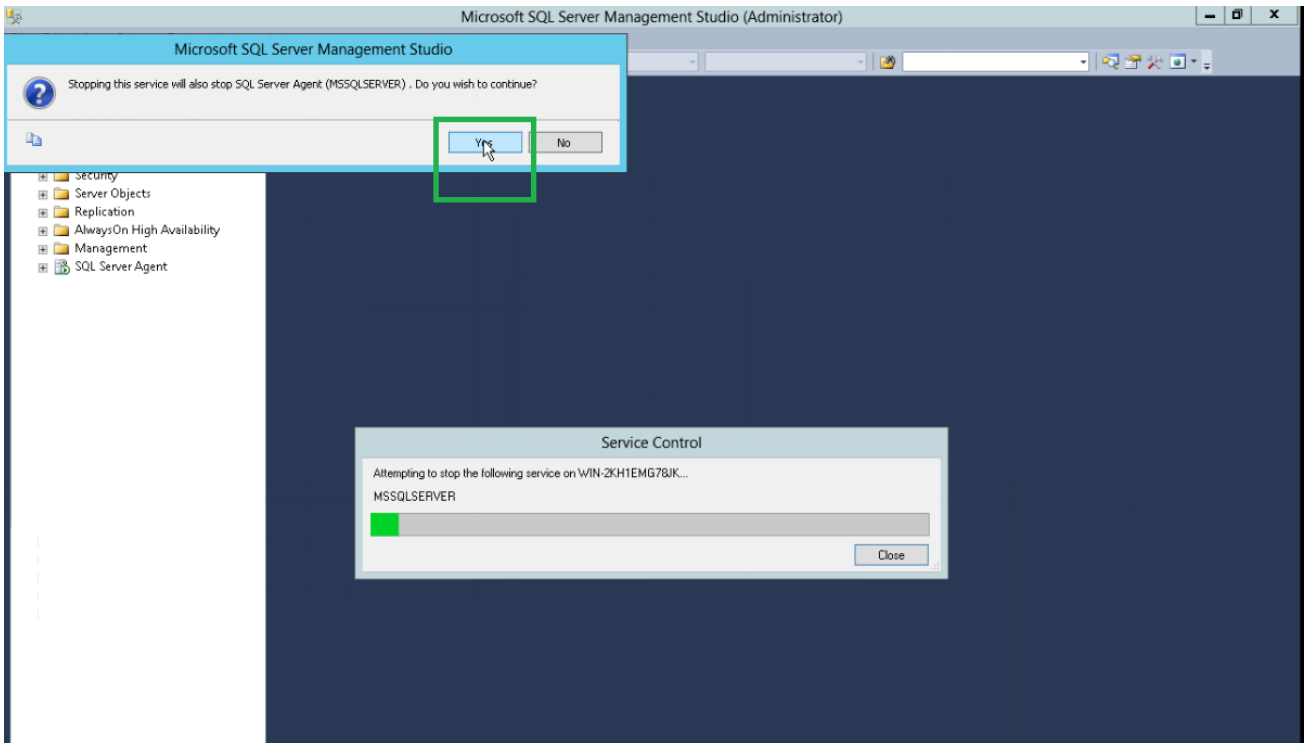

Microsoft SQL Server Management Studio (Administrator)
File Edit View Debug Tools Window Help
New Query
Object Explorer
Connect
WIN-2KH1EMG78JK (SQL Server 11.0.33
Databases
System Databases
Database Snapshots
CelloProvisioning
Security
Logins
##MS_PolicyEventProcessin
##MS_PolicyTsqlExecutionL
BUILTIN\Administrators
CelloUser
NT AUTHORITY\SYSTEM
NT Service\MSSQLSERVER
NT SERVICE\SQLSERVERAGE
NT SERVICE\SQLWriter
NT SERVICE\Winmgmt
sa
Server Roles
Credentials
Cryptographic Providers
Audits
Server Audit Specifications
Server Objects
Replication
AlwaysOn High Availability
Management
SQL Server Agent
Server Properties - WIN-2KH1EMG78JK
Select a page
General
Memory
Processors
Security
Connections
Database Settings
Advanced
Permissions
Script
Help
Server authentication
Windows Authentication mode
SQL Server and Windows Authentication mode
Login auditing
None
Failed logins only
Successful logins only
Both failed and successful logins
Server proxy account
Enable server proxy account
Proxy account:
Password:
Options
Enable C2 audit tracing
Cross database ownership chaining
Connection
Server:
WIN-2KH1EMG78JK
Connection:
WIN-2KH1EMG78JK\Administrato
View connection properties
Progress
Ready
OK
Cancel

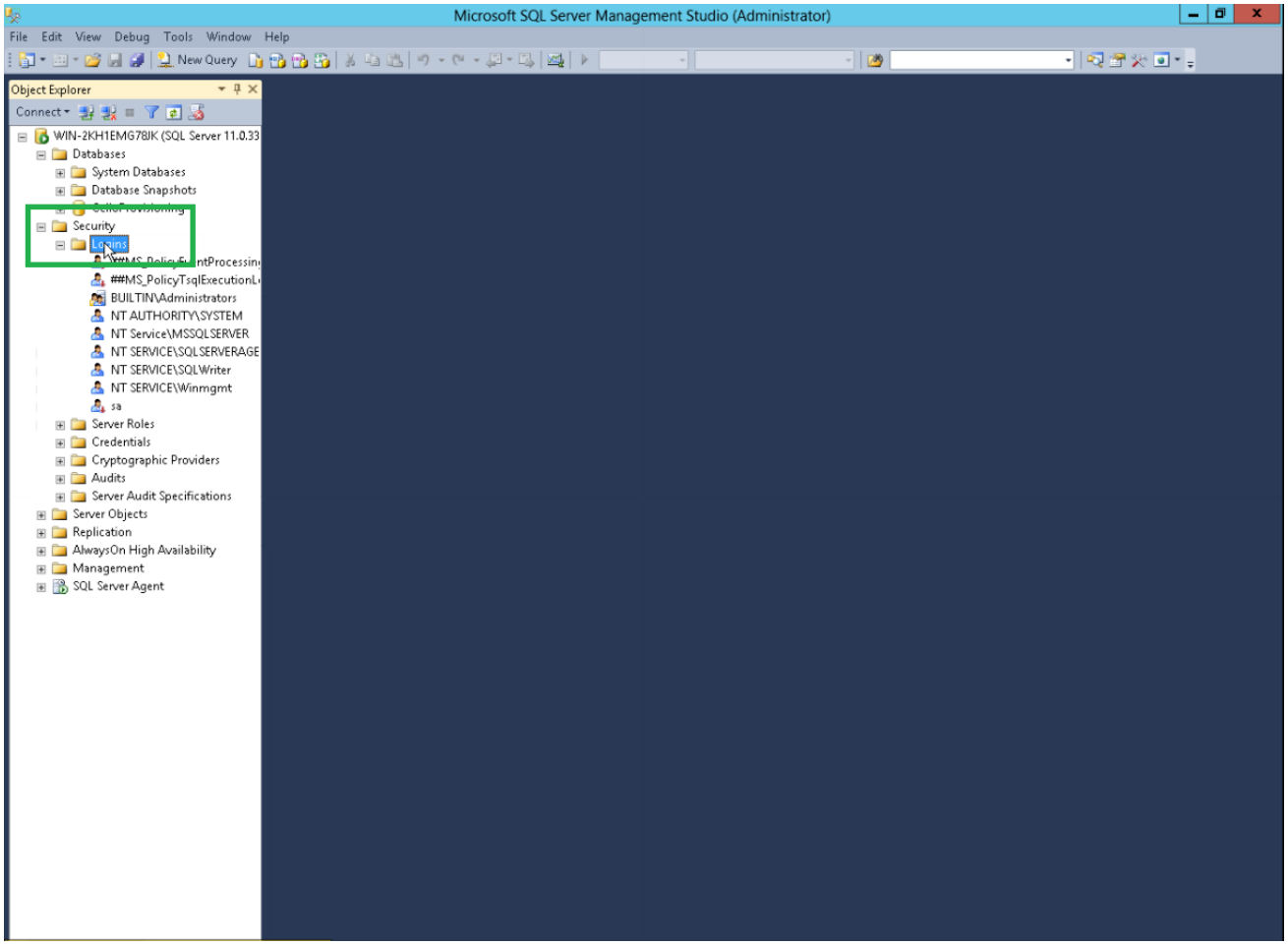

Microsoft SQL Server Management Studio (Administrator)
File Edit View Debug Tools Window Help
New Query
Object Explorer
Connect
WIN-2KH1EMG78JK (SQL Server 11.0.33
Connect Object Explorer
Security
Server Objects
Replication
AlwaysOn High Availability
Management
SQL Server Agent
Server Properties - WIN-2KH1EMG78JK
Select a page
General
Memory
Processors
Security
Connections
Database Settings
Advanced
Permissions
Script
Help
Server authentication
Windows Authentication mode
SQL Server and Windows Authentication mode
Login auditing
None
Failed logins only
Microsoft SQL Server Management Studio
Some of your configuration changes will not take effect until SQL Server is restarted.
OK
Server:
WIN-2KH1EMG78JK
Connection:
WIN-2KH1EMG78JK\Administratc
View connection properties
Progress
Executing
Options
Enable C2 audit tracing
Cross database ownership chaining
OK
Cancel

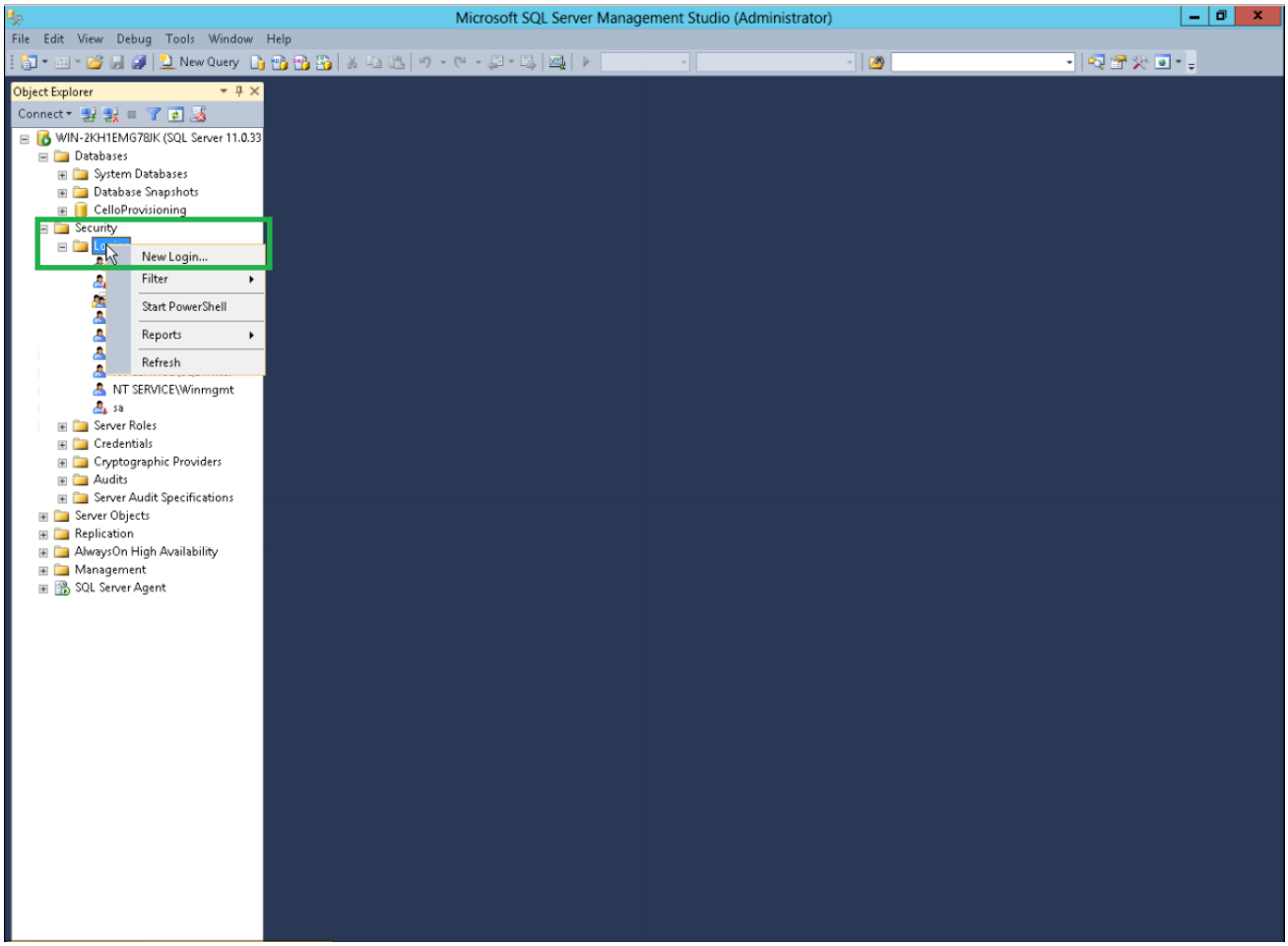

Microsoft SQL Server Management Studio (Administrator)
File Edit View Debug Tools Window Help
New Query
Object Explorer
Connect...
Disconnect
Register...
New Query
Activity Monitor
Start
Stop
Pause
Resume
Restart
Policies
Facets
Start PowerShell
Reports
Refresh
Properties

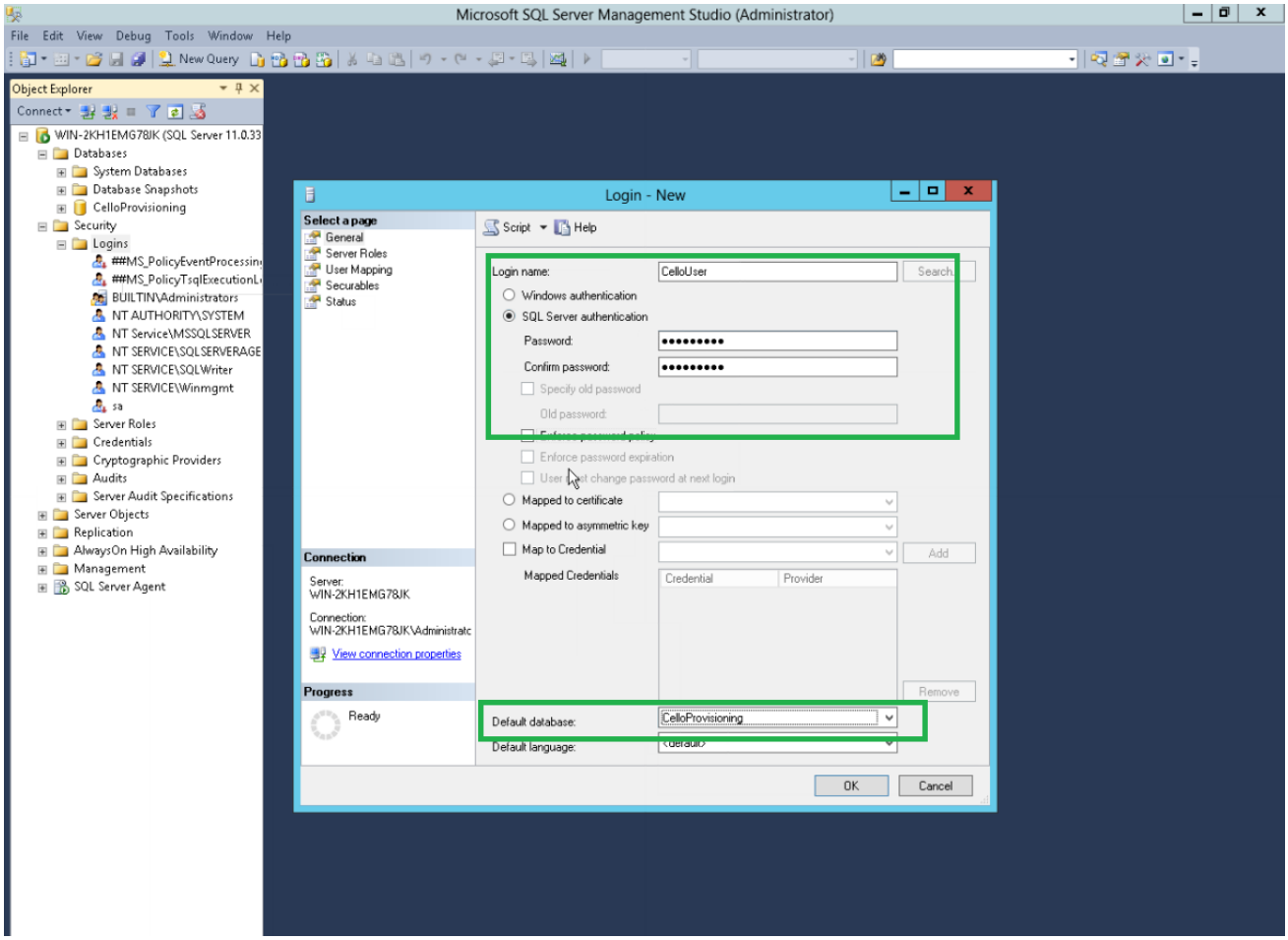

Microsoft SQL Server Management Studio
Are you sure you want to restart the MSSQLSERVER service on WIN-2KH1EMG78JK?
Yes
No
Databases
Security
Server Objects
Replication
AlwaysOn High Availability
Management
SQL Server Agent


Microsoft SQL Server Management Studio (Administrator)
File Edit View Debug Tools Window Help
New Query
Object Explorer
Connect
WIN-2KH1EMG78JK (SQL Server 11.0.33
Databases
Security
Server Objects
Replication
AlwaysOn High Availability
Management
SQL Server Agent
Service Control
Attempting to stop the following service on WIN-2KH1EMG78JK...
MSSQLSERVER
Close


Microsoft SQL Server Management Studio (Administrator)
Microsoft SQL Server Management Studio
Stopping this service will also stop SQL Server Agent (MSSQLSERVER) . Do you wish to continue?
Yes
No
Security
Server Objects
Replication
AlwaysOn High Availability
Management
SQL Server Agent
Service Control
Attempting to stop the following service on WIN-2KH1EMG78JK...
MSSQLSERVER
Close


Microsoft SQL Server Management Studio (Administrator)
File Edit View Debug Tools Window Help
New Query
Object Explorer
Connect
WIN-2KH1EMG78IK (SQL Server 11.0.33
Databases
System Databases
Database Snapshots
Security
Logins
##MS_PolicyTsqlExecutionL
BUILTIN\Administrators
NT AUTHORITY\SYSTEM
NT Service\MSSQLSERVER
NT SERVICE\SQLSERVERAGE
NT SERVICE\SQLWriter
NT SERVICE\Winmgmt
sa
Server Roles
Credentials
Cryptographic Providers
Audits
Server Audit Specifications
Server Objects
Replication
AlwaysOn High Availability
Management
SQL Server Agent


Microsoft SQL Server Management Studio (Administrator)
File Edit View Debug Tools Window Help
New Query
Object Explorer
Connect
WIN-2KH1EMG78JK (SQL Server 11.0.33
Databases
System Databases
Database Snapshots
CelloProvisioning
Security
New Login...
Filter
Start PowerShell
Reports
Refresh
NT SERVICE\Winmgmt
sa
Server Roles
Credentials
Cryptographic Providers
Audits
Server Audit Specifications
Server Objects
Replication
AlwaysOn High Availability
Management
SQL Server Agent


Microsoft SQL Server Management Studio (Administrator)
File Edit View Debug Tools Window Help
New Query
Object Explorer
Connect
WIN-2KH1EMG78JK (SQL Server 11.0.33
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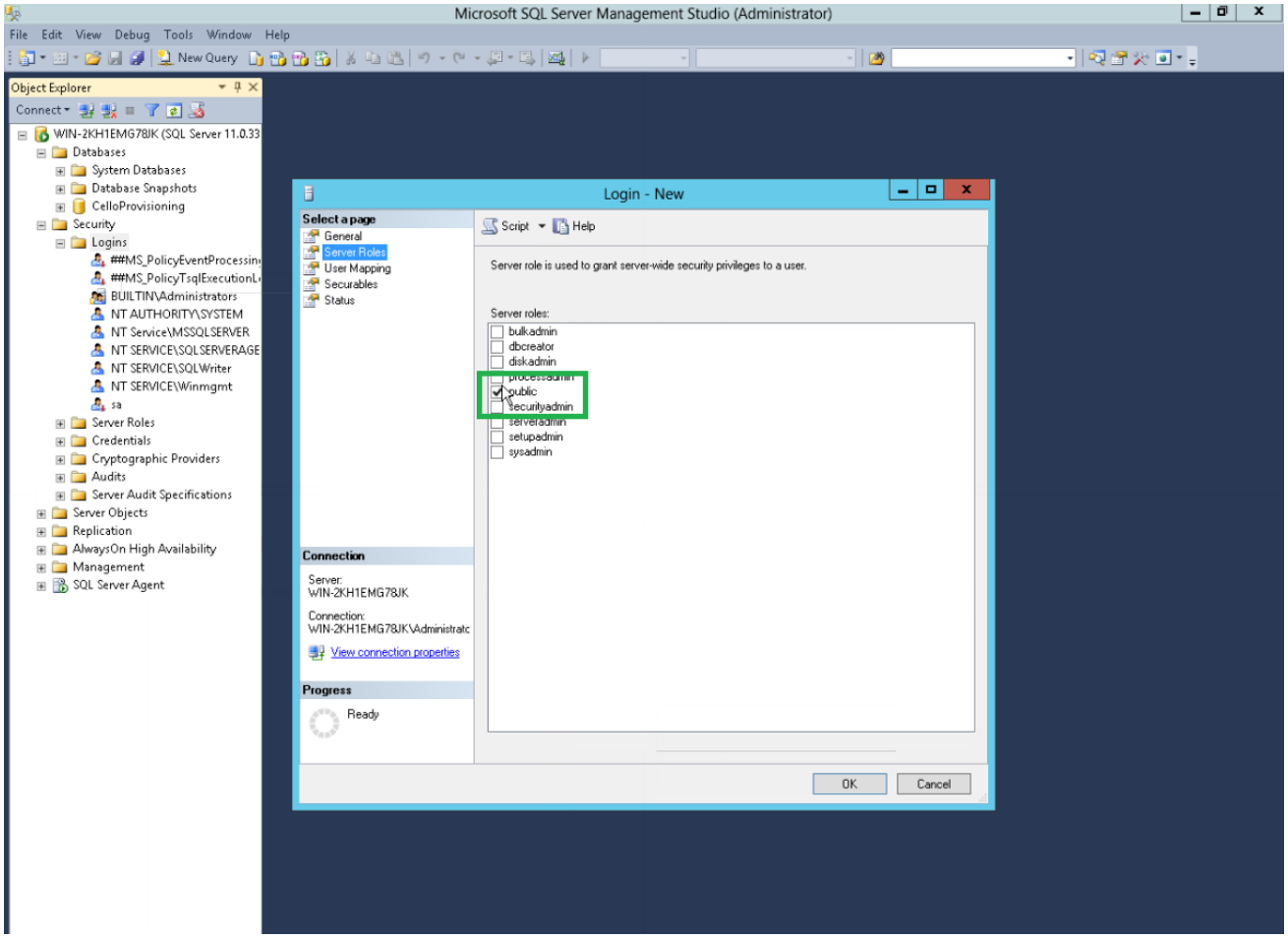
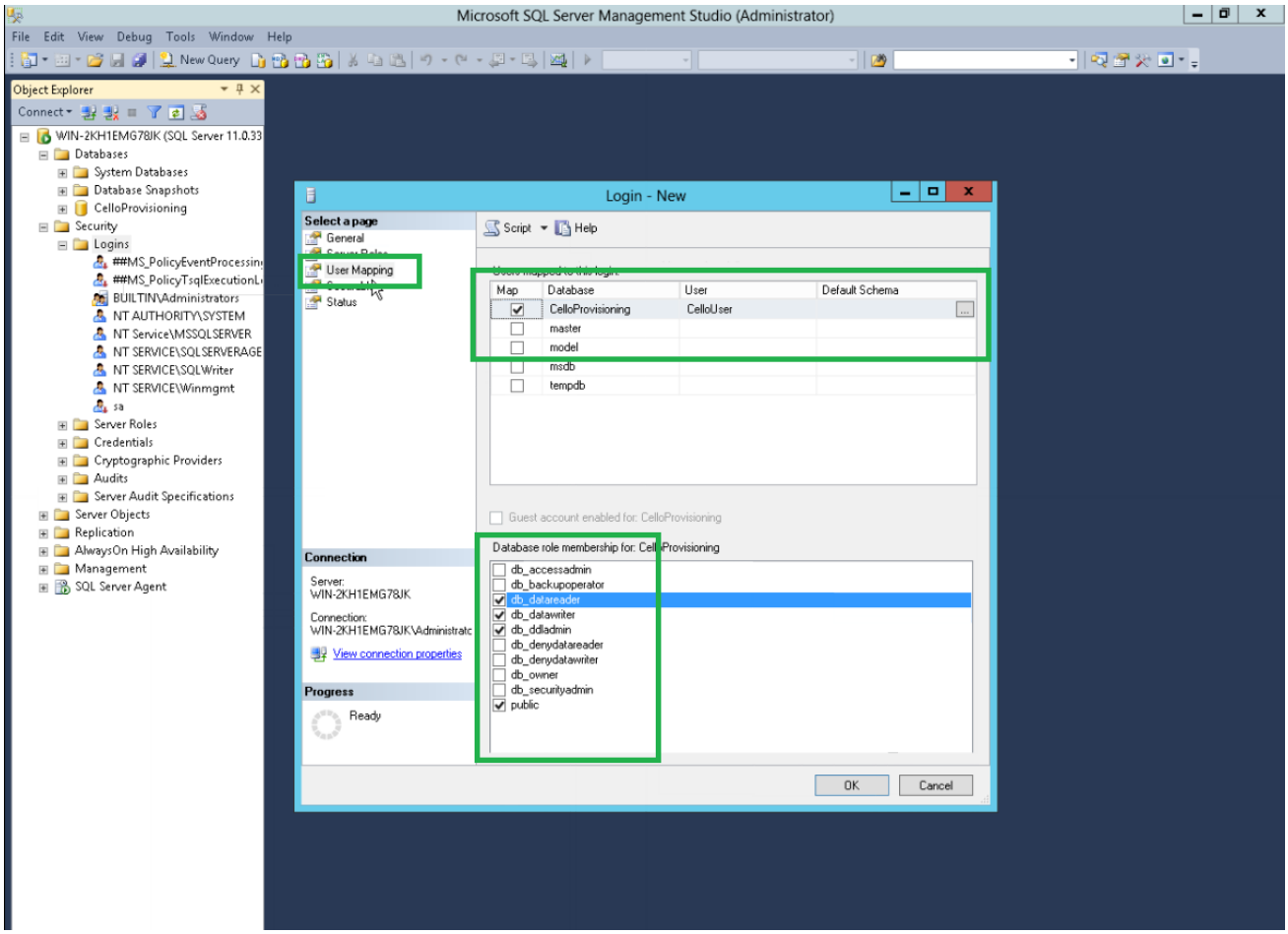
##MS_PolicyEventProcessin
##MS_PolicyTsqlExecutionL
BUILTIN\Administrators
NT AUTHORITY\SYSTEM
NT Service\MSSQLSERVER
NT SERVICE\SQLSERVERAGE
NT SERVICE\SQLWriter
NT SERVICE\Winmgmt
sa
Server Roles
Credentials
Cryptographic Providers
Audits
Server Audit Specifications
Server Objects
Replication
AlwaysOn High Availability
Management
SQL Server Agent
Login - New
Select a page
General
Server Roles
User Mapping
Securables
Status
Script
Help
Login name:
CelloUser
Search
Windows authentication
SQL Server authentication
Password:
Confirm password:
Specify old password
Old password:
Enforce password expiration
Mapped to certificate
Mapped to asymmetric key
Map to Credential
Add
Mapped Credentials
Credential
Provider
Remove
Default database:
CelloProvisioning
Default language:
Connection
Server:
WIN-2KH1EMG78JK
Connection:
WIN-2KH1EMG78JK\Administratc
View connection properties
Progress
Ready
OK
Cancel


Microsoft SQL Server Management Studio (Administrator)
File Edit View Debug Tools Window Help
New Query
Object Explorer
Connect
WIN-2KH1EMG78IK (SQL Server 11.0.33
Databases
System Databases
Database Snapshots
CelloProvisioning
Security
Logins
##MS_PolicyEventProcessin
##MS_PolicyTsqlExecutionL
BUILTIN\Administrators
NT AUTHORITY\SYSTEM
NT Service\MSSQLSERVER
NT SERVICE\SQLSERVERAGE
NT SERVICE\SQLWriter
NT SERVICE\Winmgmt
sa
Server Roles
Credentials
Cryptographic Providers
Audits
Server Audit Specifications
Server Objects
Replication
AlwaysOn High Availability
Management
SQL Server Agent
Login - New
Select a page
General
Server Roles
User Mapping
Securables
Status
Script
Help
Server role is used to grant server-wide security privileges to a user.
Server roles:
bulkadmin
dbcreator
diskadmin
processadmin
public
securityadmin
serveradmin
setupadmin
sysadmin
Connection
Server:
WIN-2KH1EMG78JK
Connection:
WIN-2KH1EMG78JK\Administrato
View connection properties
Progress
Ready
OK
Cancel


Microsoft SQL Server Management Studio (Administrator)
File Edit View Debug Tools Window Help
New Query
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Databases
System Databases
Database Snapshots
CelloProvisioning
Security
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##MS_PolicyTsqlExecutionL
BUILTIN\Administrators
NT AUTHORITY\SYSTEM
NT Service\MSSQLSERVER
NT SERVICE\SQLSERVERAGE
NT SERVICE\SQLWriter
NT SERVICE\Winmgmt
sa
Server Roles
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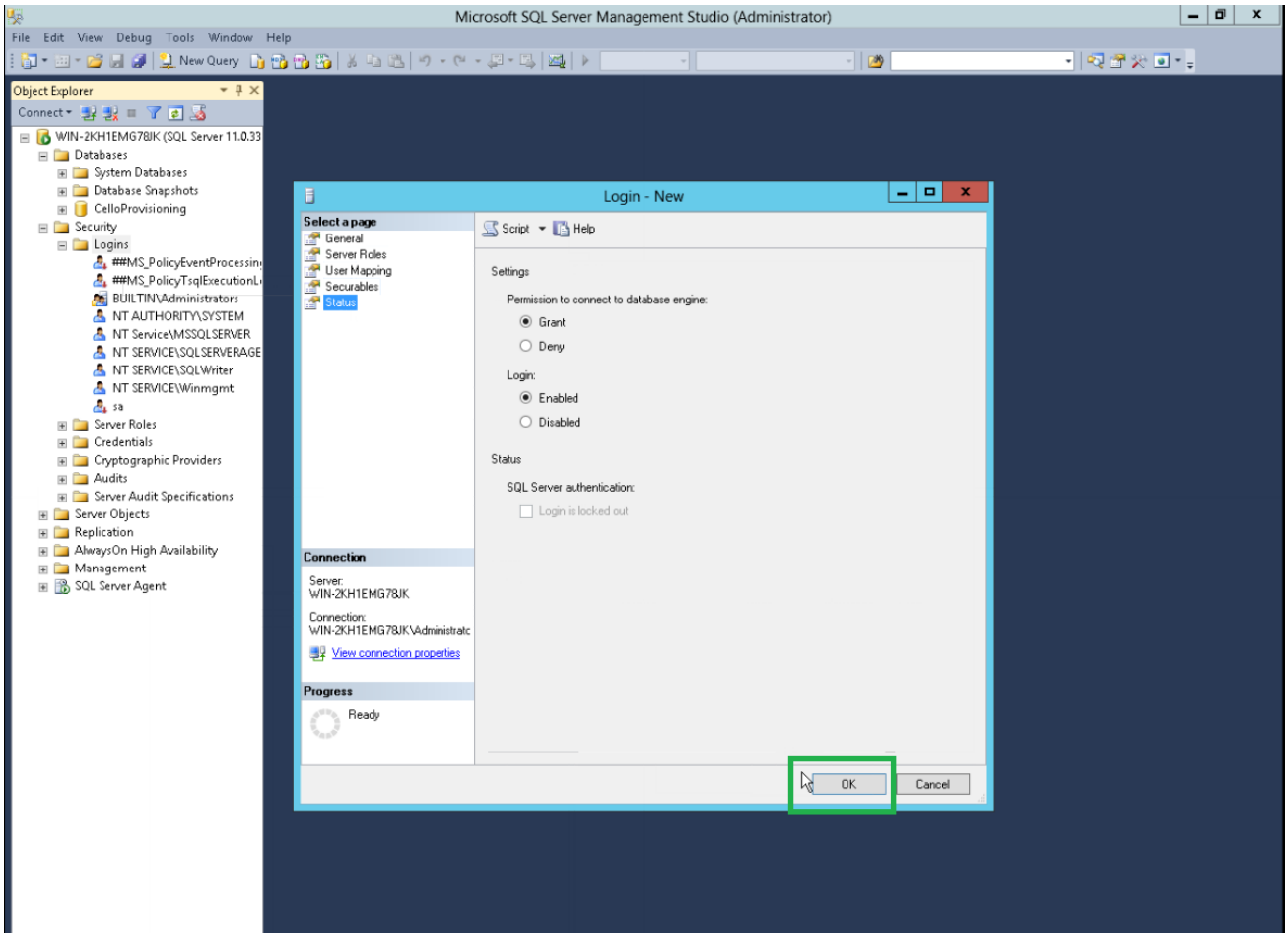
Server Audit Specifications
Server Objects
Replication
AlwaysOn High Availability
Management
SQL Server Agent
Login - New
Select a page
General
User Mapping
Status
Script
Help
Map
Database
User
Default Schema
CelloProvisioning
CelloUser
master
model
msdb
tempdb
Guest account enabled for: CelloProvisioning
Database role membership for: CelloProvisioning
db_accessadmin
db_backupoperator
db_datareader
db_datawriter
db_ddladmin
db_denydatareader
db_denydatawriter
db_owner
db_securityadmin
public
Connection
Server:
WIN-2KH1EMG78JK
Connection:
View connection properties
Progress
Ready
OK
Cancel


Microsoft SQL Server Management Studio (Administrator)
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New Query
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WIN-2KH1EMG78JK (SQL Server 11.0.33
Databases
System Databases
Database Snapshots
CelloProvisioning
Security
Logins
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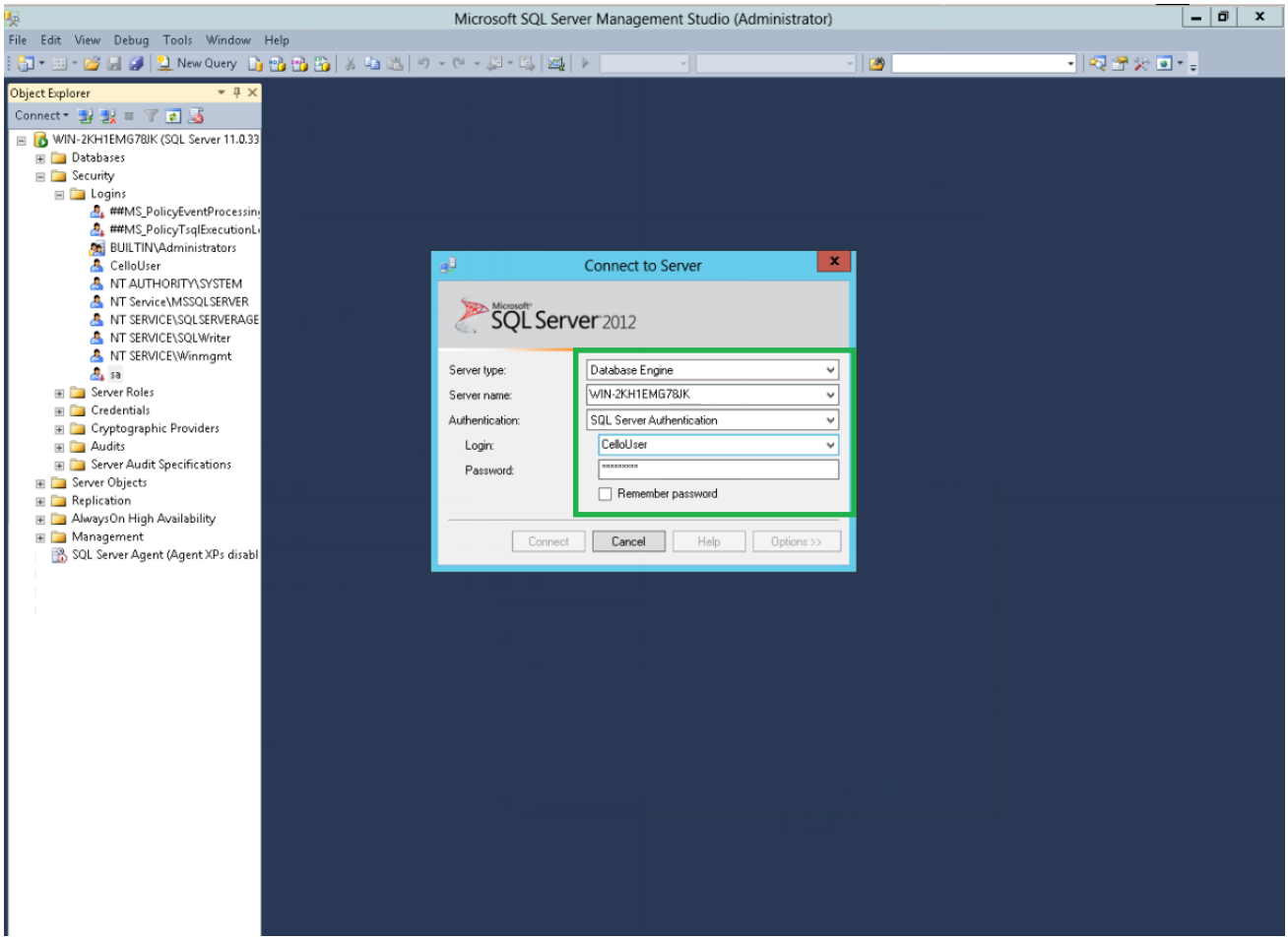
##MS_PolicyTsqlExecutionL
BUILTIN\Administrators
NT AUTHORITY\SYSTEM
NT Service\MSSQLSERVER
NT SERVICE\SQLSERVERAGE
NT SERVICE\SQLWriter
NT SERVICE\Winmgmt
sa
Server Roles
Credentials
Cryptographic Providers
Audits
Server Audit Specifications
Server Objects
Replication
AlwaysOn High Availability
Management
SQL Server Agent
Login - New
Select a page
General
Server Roles
User Mapping
Securables
Status
Script
Help
Settings
Permission to connect to database engine:
Grant
Deny
Login:
Enabled
Disabled
Status
SQL Server authentication:
Login is locked out
Connection
Server:
WIN-2KH1EMG78JK
Connection:
WIN-2KH1EMG78JK\Administrato
View connection properties
Progress
Ready
OK
Cancel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##MS_PolicyTsqlExecutionL
BUILTIN\Administrators
CelloUser
NT AUTHORITY\SYSTEM
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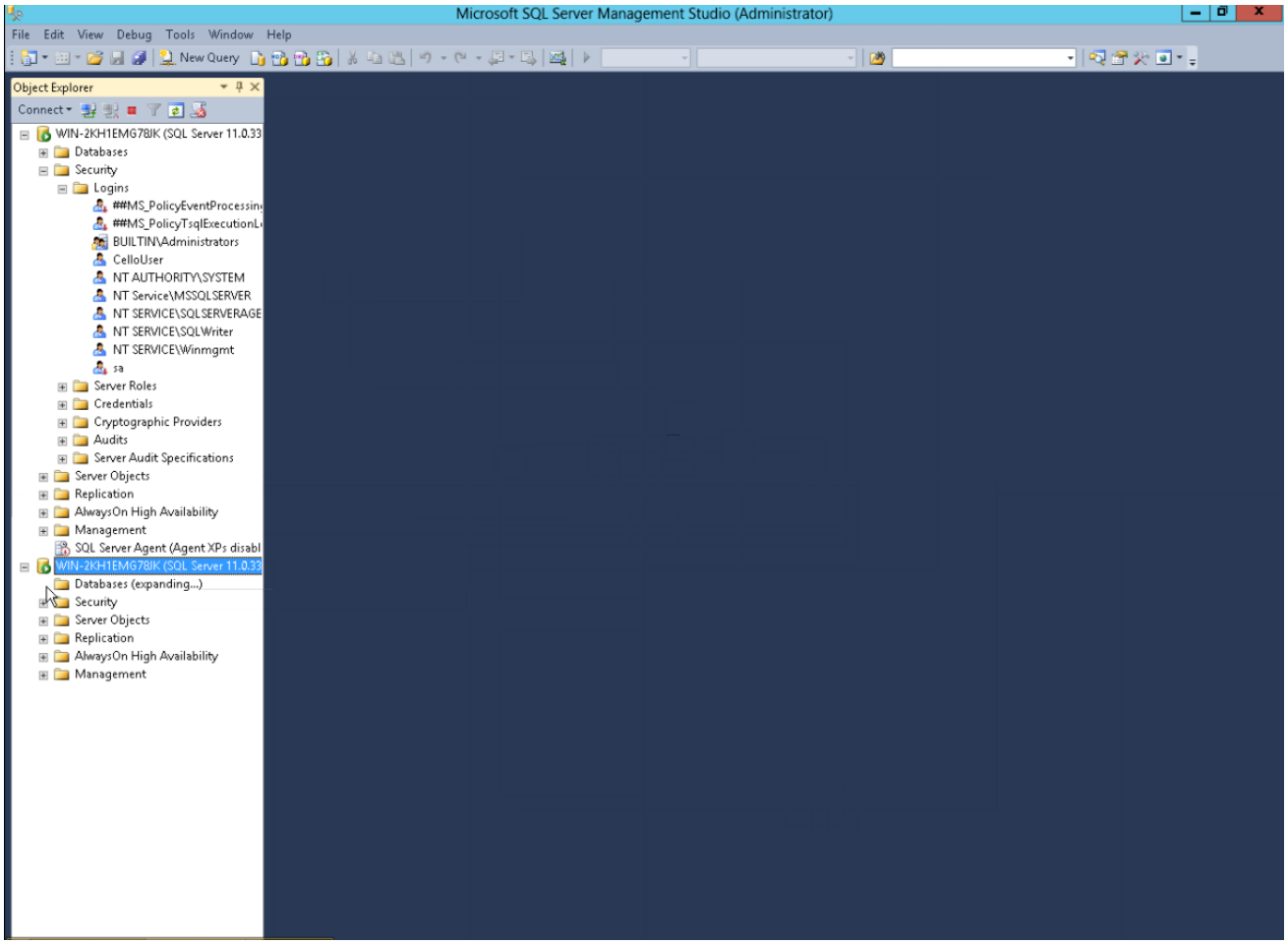
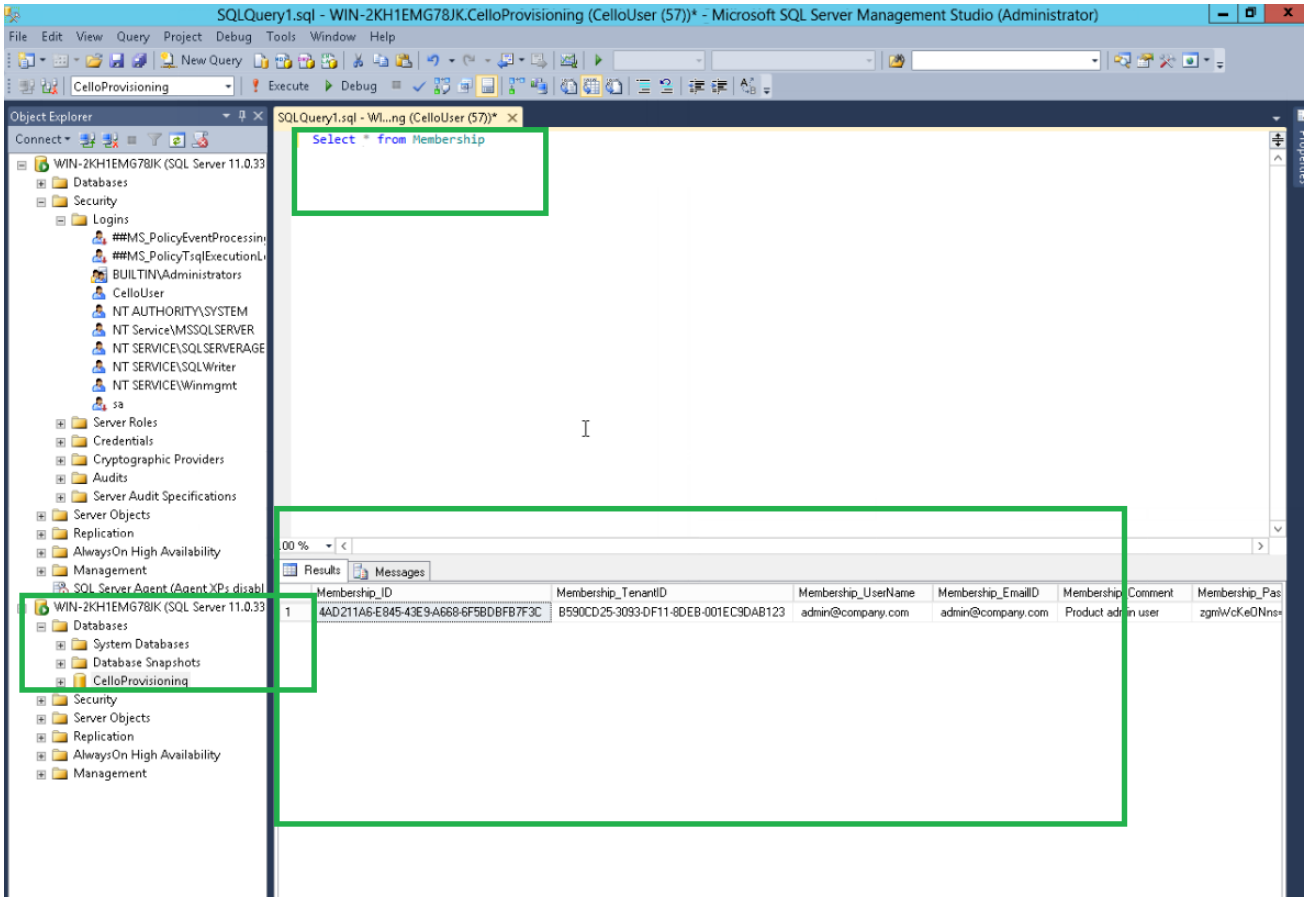
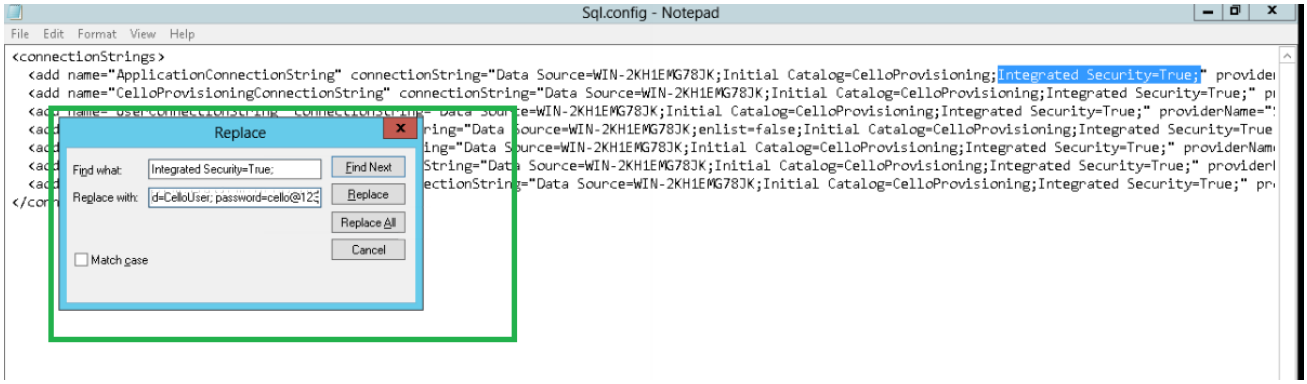
sa
Server Roles
Credentials
Cryptographic Providers
Audits
Server Audit Specifications
Server Objects
Replication
AlwaysOn High Availability
Management
SQL Server Agent (Agent XPs disabl
Connect to Server
Microsoft SQL Server 2012
Server type:
Database Engine
Server name:
WIN-2KH1EMG78JK
Authentication:
SQL Server Authentication
Login:
CelloUser
Password:
Remember password
Connect
Cancel
Help
Options >>


Microsoft SQL Server Management Studio (Administrator)
File Edit View Debug Tools Window Help
New Query
Object Explorer
Connect
WIN-2KH1EMG78JK (SQL Server 11.0.33
Databases
Security
Logins
##MS_PolicyEventProcessin
##MS_PolicyTsqlExecutionL
BUILTIN\Administrators
CelloUser
NT AUTHORITY\SYSTEM
NT Service\MSSQLSERVER
NT SERVICE\SQLSERVERAGE
NT SERVICE\SQLWriter
NT SERVICE\Winmgmt
sa
Server Roles
Credentials
Cryptographic Providers
Audits
Server Audit Specifications
Server Objects
Replication
AlwaysOn High Availability
Management
SQL Server Agent (Agent XPs disabl
WIN-2KH1EMG78JK (SQL Server 11.0.33
Databases (expanding...)
Security
Server Objects
Replication
AlwaysOn High Availability
Management



3.1.2 Updating the SQL configuration information in the Sql.config file

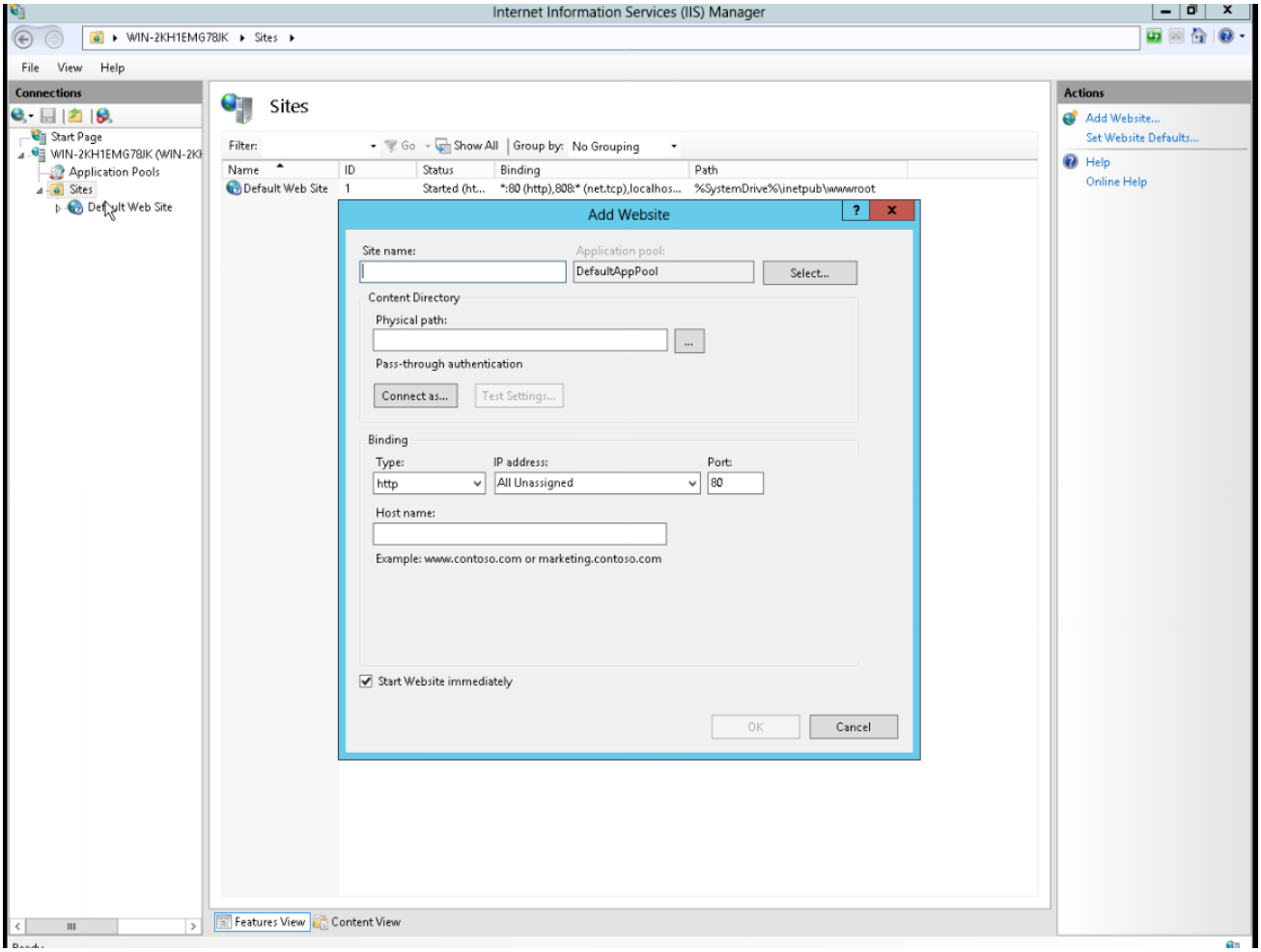
The user credentials are to be used in the sql.config file for the Application / Services



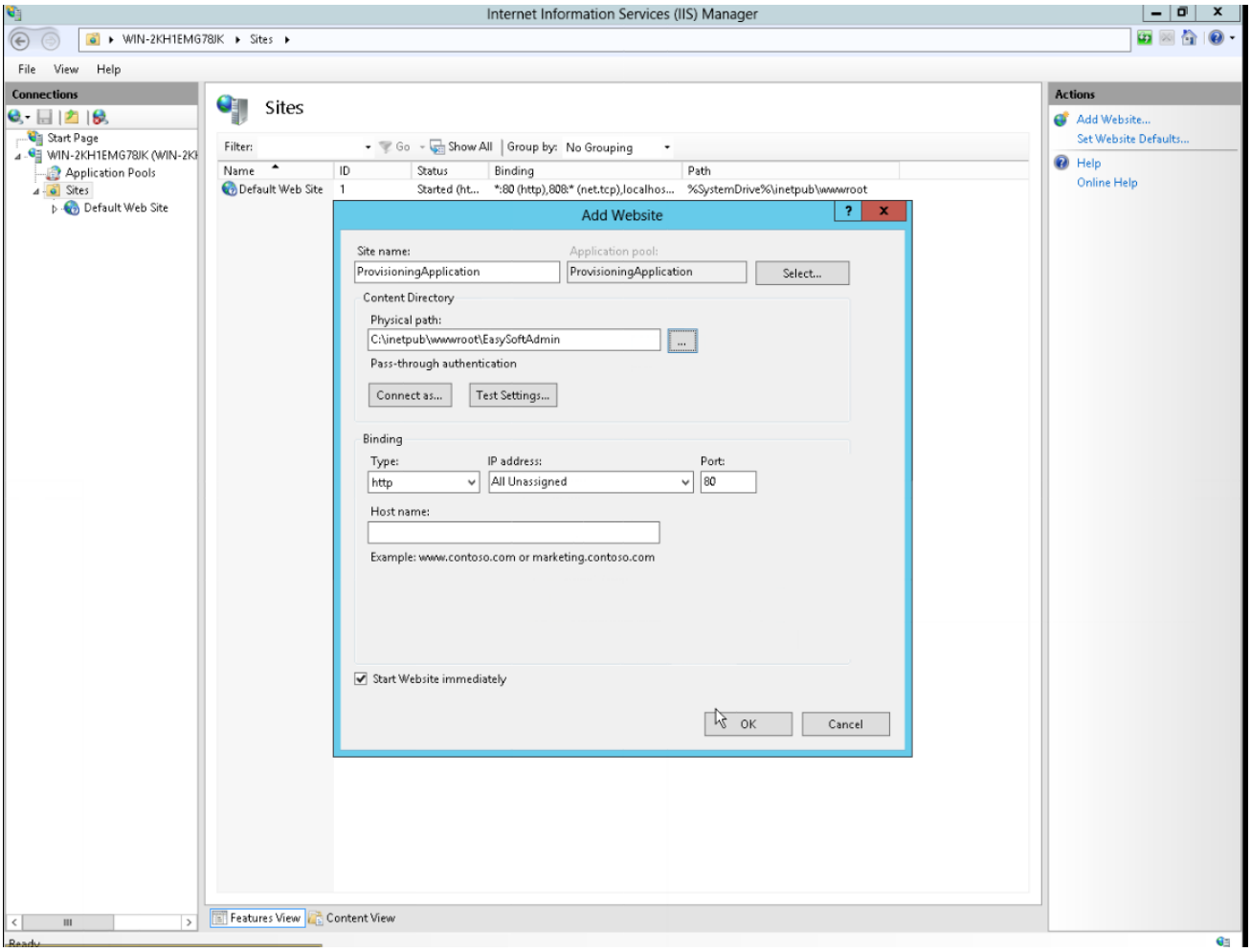
4. Hosting in IIS

4.1 Application

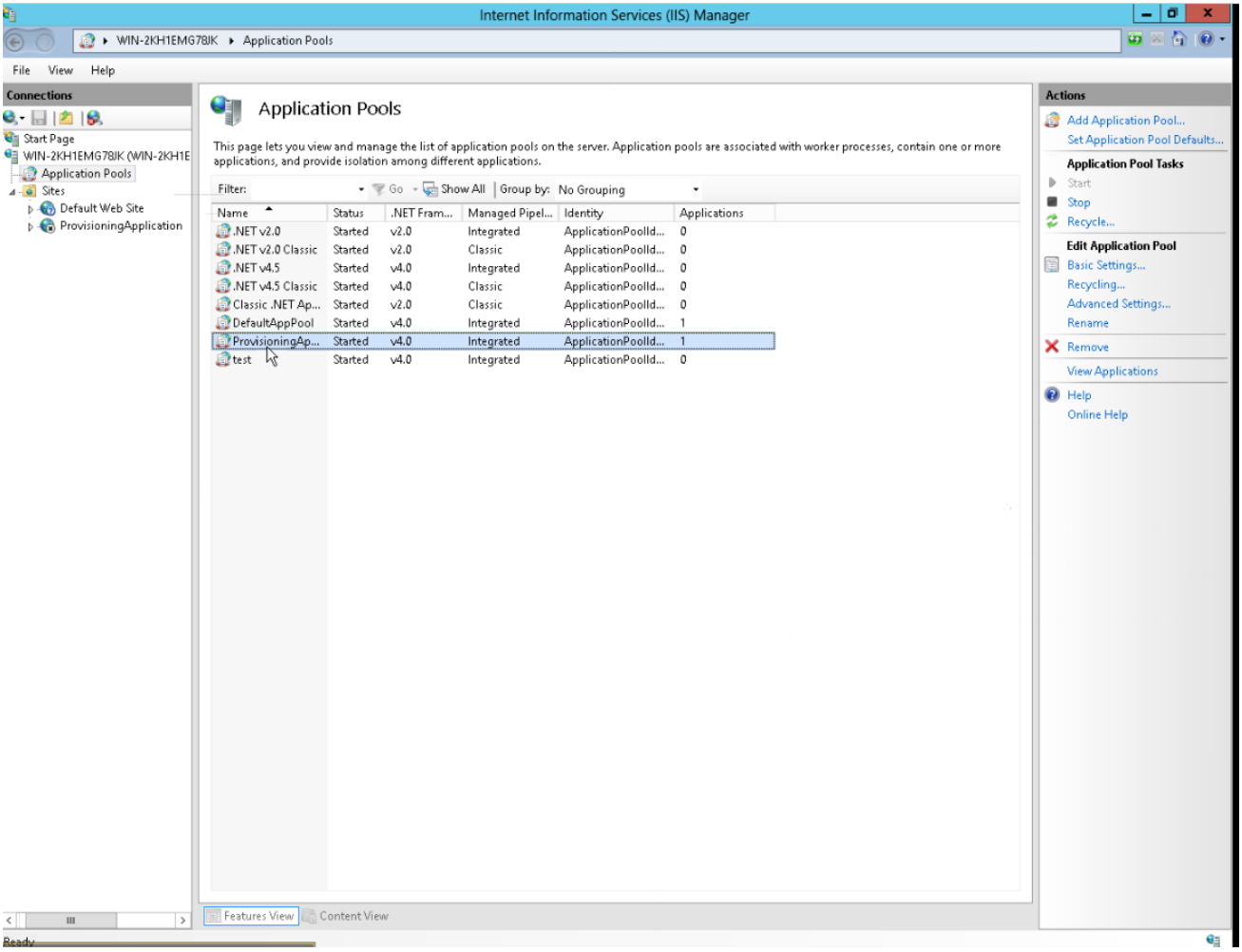
The following are the steps involved in the process of hosting an application in IIS. Add a new site from the IIS.

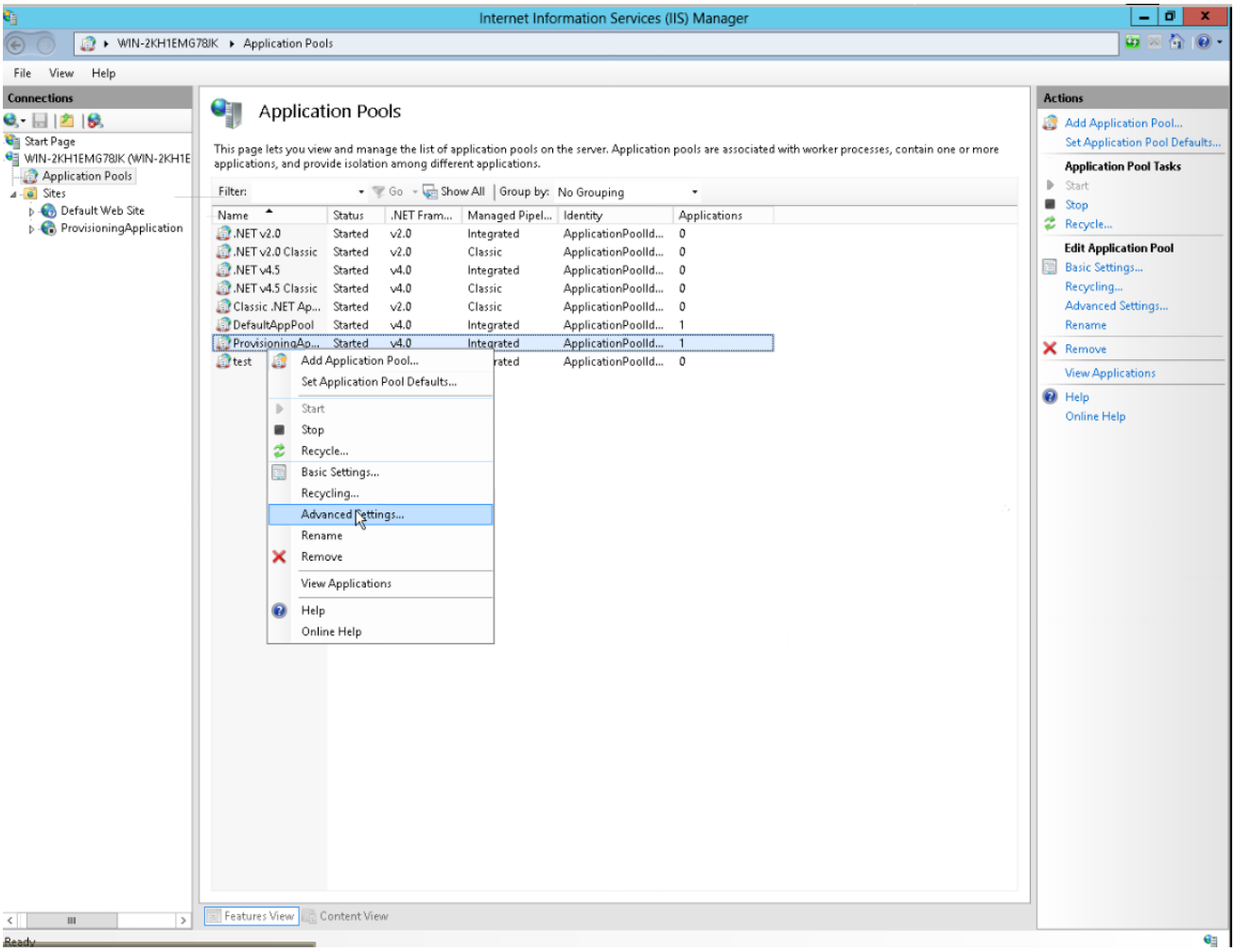


Provide the physical path where the application files reside.

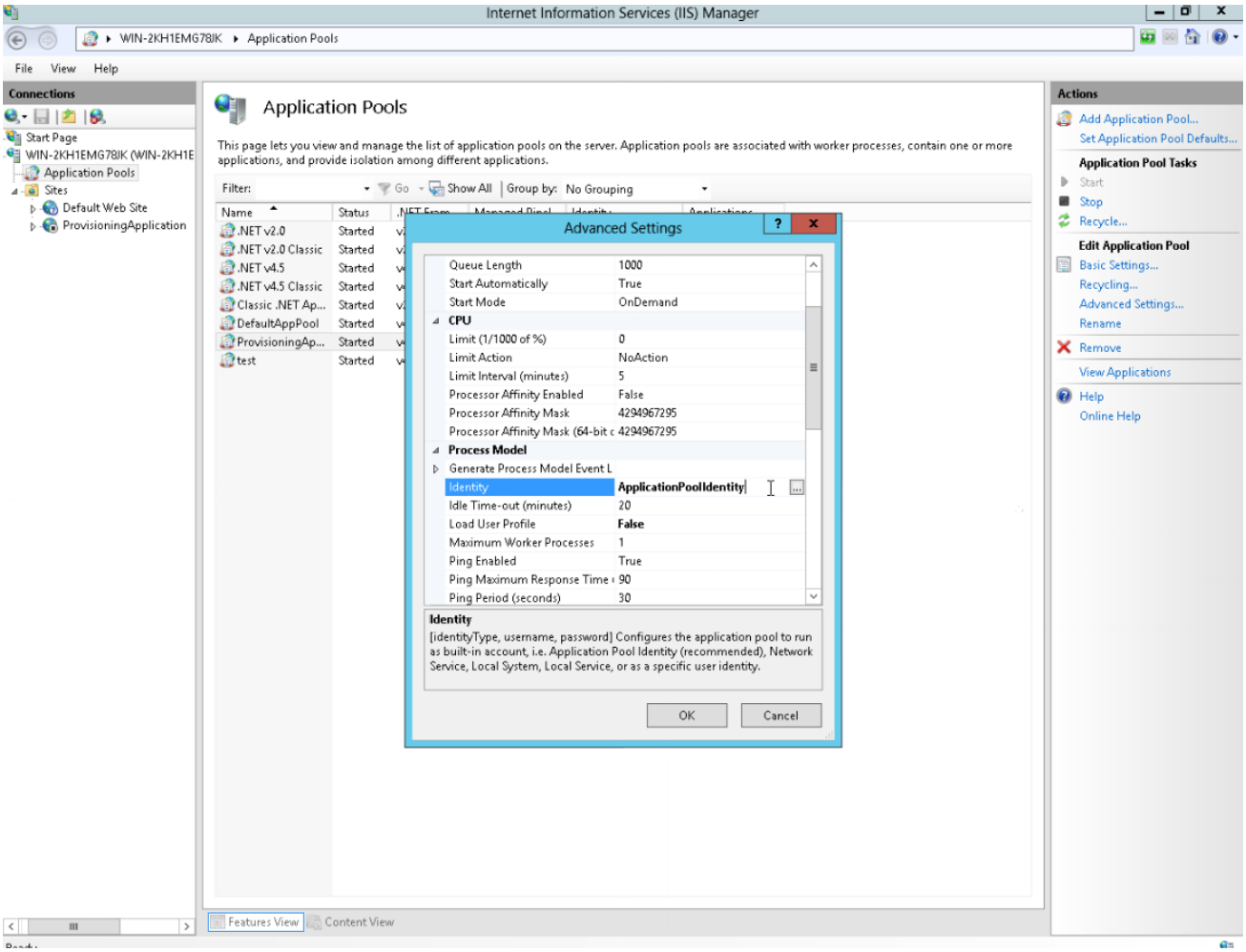


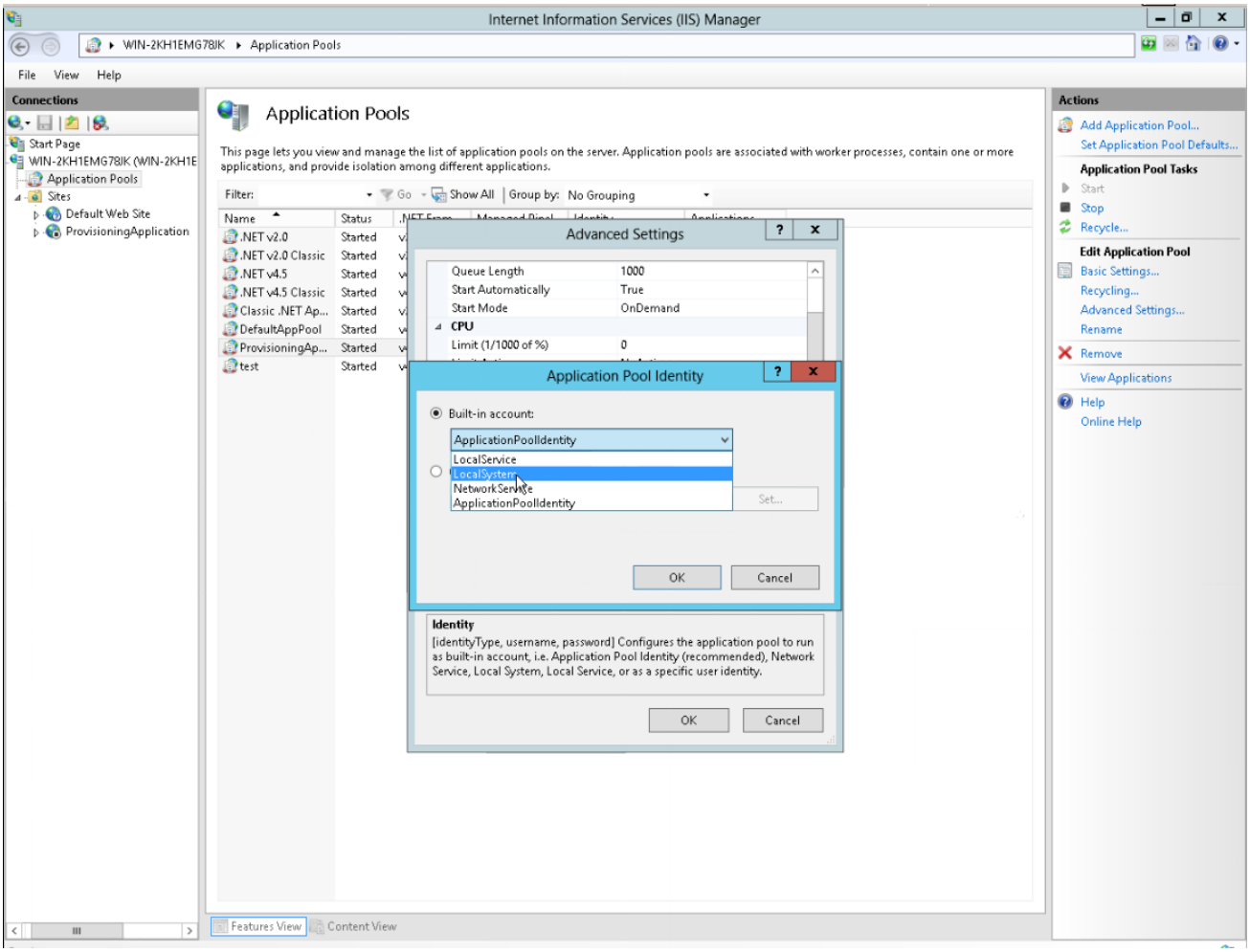
Ensure that the Application Pool is set to use .Net framework V4.5 or v4.0.30319 [.Net 4.5 over .Net 4.0]

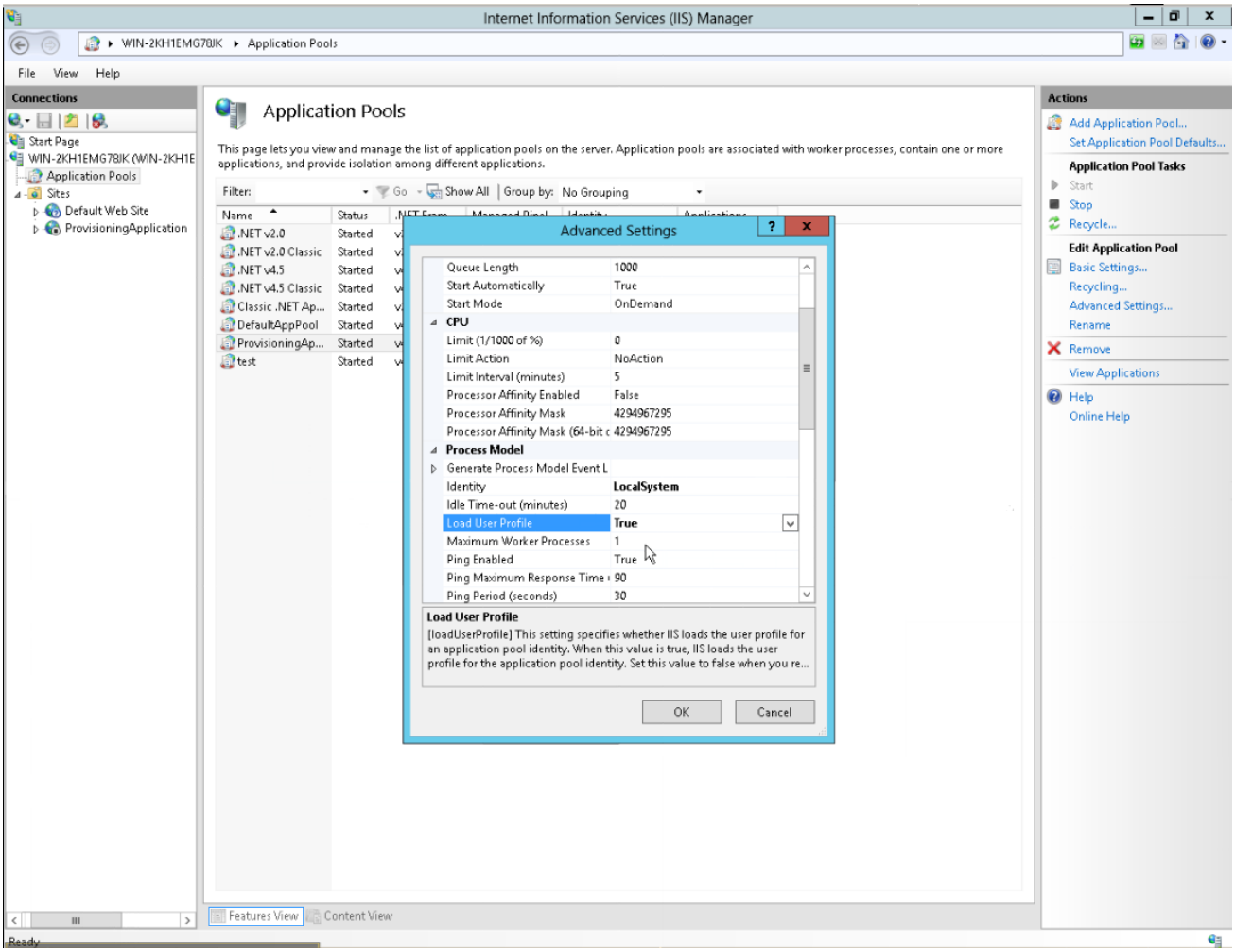

Internet Information Services (IIS) Manager
WIN-2KH1EMG78IK ▸ Application Pools
File View Help
Connections
Start Page
WIN-2KH1EMG78IK (WIN-2KH1E
Application Pools
Sites
Default Web Site
ProvisioningApplication
Application Pools
This page lets you view and manage the list of application pools on the server. Application pools are associated with worker processes, contain one or more applications, and provide isolation among different applications.
Filter: Go Show All Group by: No Grouping
Name Status .NET Fram... Managed Pipel... Identity Applications
.NET v2.0 Started v2.0 Integrated ApplicationPoolId... 0
.NET v2.0 Classic Started v2.0 Classic ApplicationPoolId... 0
.NET v4.5 Started v4.0 Integrated ApplicationPoolId... 0
.NET v4.5 Classic Started v4.0 Classic ApplicationPoolId... 0
Classic .NET Ap... Started v2.0 Classic ApplicationPoolId... 0
DefaultAppPool Started v4.0 Integrated ApplicationPoolId... 1
ProvisioningAp... Started v4.0 Integrated ApplicationPoolId... 1
test Started v4.0 Integrated ApplicationPoolId... 0
Features View Content View
Ready
Actions
Add Application Pool...
Set Application Pool Defaults...
Application Pool Tasks
Start
Stop
Recycle...
Edit Application Pool
Basic Settings...
Recycling...
Advanced Settings...
Rename
Remove
View Applications
Help
Online Help

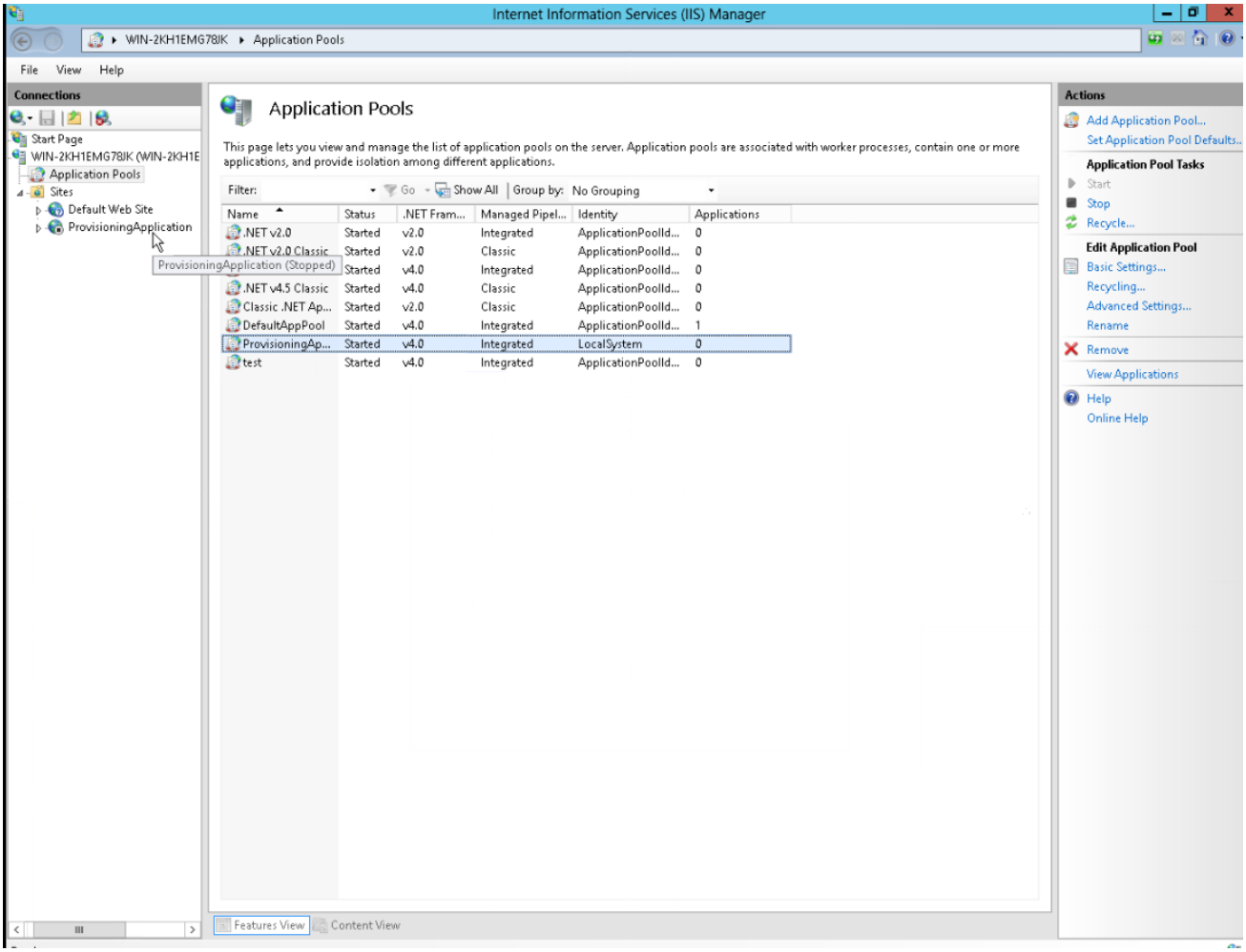


Set the Identity in the Application Pool Identity to “LocalSystem” and then set the Load User Profile to be “true” for the application pool where the Application / WCF Services are available.


Internet Information Services (IIS) Manager
WIN-2KH1EMG78IK ▸ Application Pools
File View Help
Connections
Start Page
WIN-2KH1EMG78IK (WIN-2KH1E
Application Pools
Sites
Default Web Site
ProvisioningApplication
Application Pools
This page lets you view and manage the list of application pools on the server. Application pools are associated with worker processes, contain one or more applications, and provide isolation among different applications.
Filter:
Go
Show All
Group by: No Grouping
Name
Status
.NET v2.0 Started
.NET v2.0 Classic Started
.NET v4.5 Started
.NET v4.5 Classic Started
Classic .NET Ap... Started
DefaultAppPool Started
ProvisioningAp... Started
test Started
Advanced Settings
Queue Length 1000
Start Automatically True
Start Mode OnDemand
CPU
Limit (1/1000 of %) 0
Limit Action NoAction
Limit Interval (minutes) 5
Processor Affinity Enabled False
Processor Affinity Mask 4294967295
Processor Affinity Mask (64-bit c 4294967295
Process Model
Generate Process Model Event L
Identity ApplicationPoolIdentity
Idle Time-out (minutes) 20
Load User Profile False
Maximum Worker Processes 1
Ping Enabled True
Ping Maximum Response Time 90
Ping Period (seconds) 30
Identity
[identityType, username, password] Configures the application pool to run as built-in account, i.e. Application Pool Identity (recommended), Network Service, Local System, Local Service, or as a specific user identity.
OK
Cancel
Actions
Add Application Pool...
Set Application Pool Defaults...
Application Pool Tasks
Start
Stop
Recycle...
Edit Application Pool
Basic Settings...
Recycling...
Advanced Settings...
Rename
Remove
View Applications
Help
Online Help
Features View
Content View


Internet Information Services (IIS) Manager
WIN-2KH1EMG78IK ▸ Application Pools
File View Help
Connections
Start Page
WIN-2KH1EMG78IK (WIN-2KH1E
Application Pools
Sites
Default Web Site
ProvisioningApplication
Application Pools
This page lets you view and manage the list of application pools on the server. Application pools are associated with worker processes, contain one or more applications, and provide isolation among different applications.
Filter: Go Show All Group by: No Grouping
Name Status
.NET v2.0 Started
.NET v2.0 Classic Started
.NET v4.5 Started
.NET v4.5 Classic Started
Classic .NET Ap... Started
DefaultAppPool Started
ProvisioningAp... Started
test Started
Advanced Settings
Queue Length 1000
Start Automatically True
Start Mode OnDemand
CPU
Limit (1/1000 of %) 0
Application Pool Identity
Built-in account:
ApplicationPoolIdentity
LocalService
LocalSystem
NetworkService
ApplicationPoolIdentity
Set...
OK Cancel
Identity
[identityType, username, password] Configures the application pool to run as built-in account, i.e. Application Pool Identity (recommended), Network Service, Local System, Local Service, or as a specific user identity.
OK Cancel
Actions
Add Application Pool...
Set Application Pool Defaults...
Application Pool Tasks
Start
Stop
Recycle...
Edit Application Pool
Basic Settings...
Recycling...
Advanced Settings...
Rename
Remove
View Applications
Help
Online Help
Features View Content View


Internet Information Services (IIS) Manager
WIN-2KH1EMG78IK ▸ Application Pools
File View Help
Connections
Start Page
WIN-2KH1EMG78IK (WIN-2KH1E
Application Pools
Sites
Default Web Site
ProvisioningApplication
Application Pools
This page lets you view and manage the list of application pools on the server. Application pools are associated with worker processes, contain one or more applications, and provide isolation among different applications.
Filter: Go Show All Group by: No Grouping
Name Status
.NET v2.0 Started
.NET v2.0 Classic Started
.NET v4.5 Started
.NET v4.5 Classic Started
Classic .NET Ap... Started
DefaultAppPool Started
ProvisioningAp... Started
test Started
Advanced Settings
Queue Length 1000
Start Automatically True
Start Mode OnDemand
CPU
Limit (1/1000 of %) 0
Limit Action NoAction
Limit Interval (minutes) 5
Processor Affinity Enabled False
Processor Affinity Mask 4294967295
Processor Affinity Mask (64-bit c 4294967295
Process Model
Generate Process Model Event L
Identity LocalSystem
Idle Time-out (minutes) 20
Load User Profile True
Maximum Worker Processes 1
Ping Enabled True
Ping Maximum Response Time 90
Ping Period (seconds) 30
Load User Profile
[loadUserProfile] This setting specifies whether IIS loads the user profile for an application pool identity. When this value is true, IIS loads the user profile for the application pool identity. Set this value to false when you re...
OK
Cancel
Actions
Add Application Pool...
Set Application Pool Defaults...
Application Pool Tasks
Start
Stop
Recycle...
Edit Application Pool
Basic Settings...
Recycling...
Advanced Settings...
Rename
Remove
View Applications
Help
Online Help
Features View
Content View
Ready


Internet Information Services (IIS) Manager
WIN-2KH1EMG78IK ▸ Application Pools
File View Help
Connections
Start Page
WIN-2KH1EMG78IK (WIN-2KH1E
Application Pools
Sites
Default Web Site
ProvisioningApplication
ProvisioningApplication (Stopped)
Application Pools
This page lets you view and manage the list of application pools on the server. Application pools are associated with worker processes, contain one or more applications, and provide isolation among different applications.
Filter: Go Show All Group by: No Grouping
Name Status .NET Fram... Managed Pipel... Identity Applications
.NET v2.0 Started v2.0 Integrated ApplicationPoolId... 0
.NET v2.0 Classic Started v2.0 Classic ApplicationPoolId... 0
.NET v4.5 Started v4.0 Integrated ApplicationPoolId... 0
.NET v4.5 Classic Started v4.0 Classic ApplicationPoolId... 0
Classic .NET Ap... Started v2.0 Classic ApplicationPoolId... 0
DefaultAppPool Started v4.0 Integrated ApplicationPoolId... 1
ProvisioningAp... Started v4.0 Integrated LocalSystem 0
test Started v4.0 Integrated ApplicationPoolId... 0
Features View Content View
Actions
Add Application Pool...
Set Application Pool Defaults...
Application Pool Tasks
Start
Stop
Recycle...
Edit Application Pool
Basic Settings...
Recycling...
Advanced Settings...
Rename
Remove
View Applications
Help
Online Help

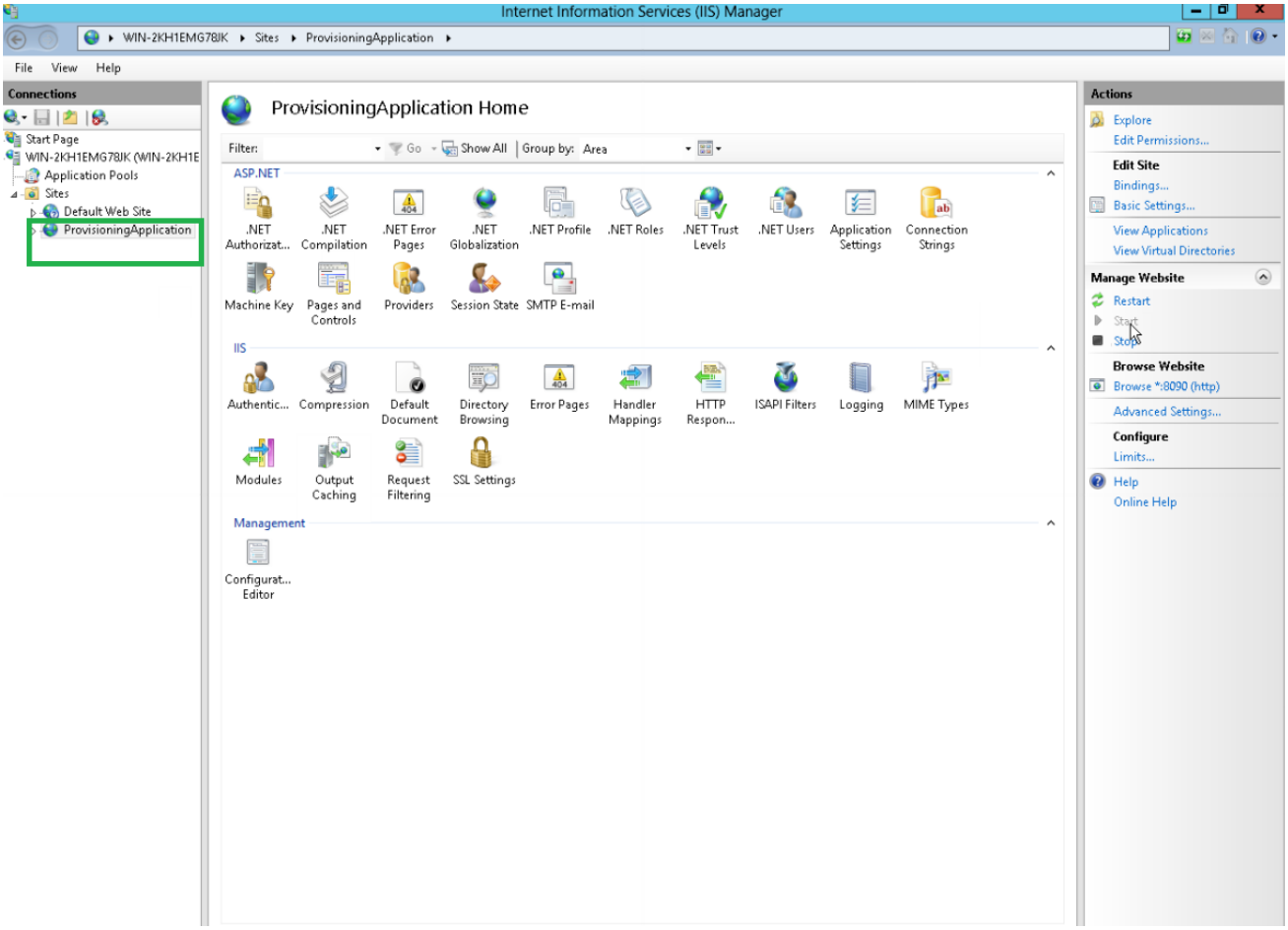
4.2 CelloSaaS License Activation

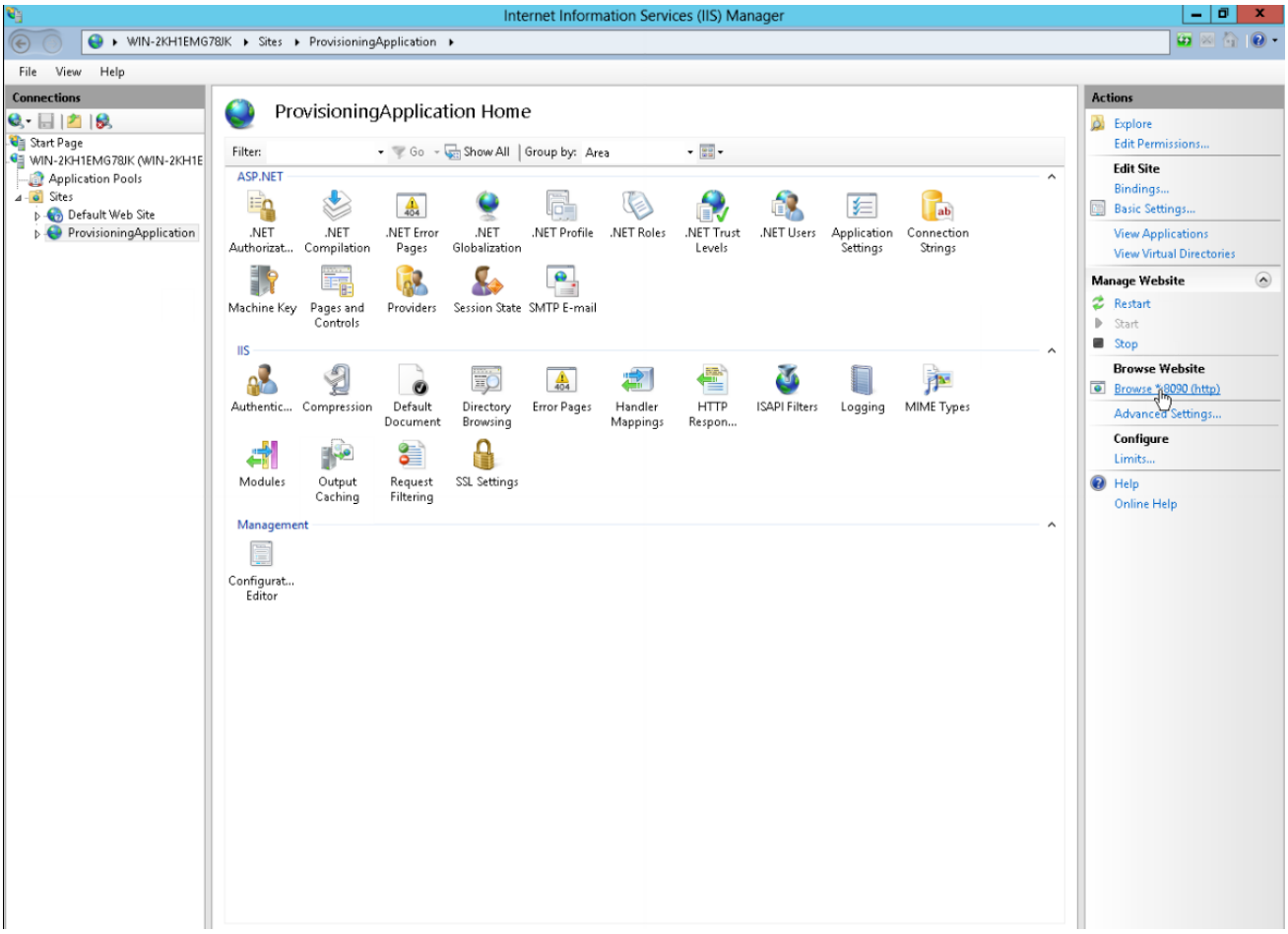
CelloSaaS provides production license files which come in 2 variants

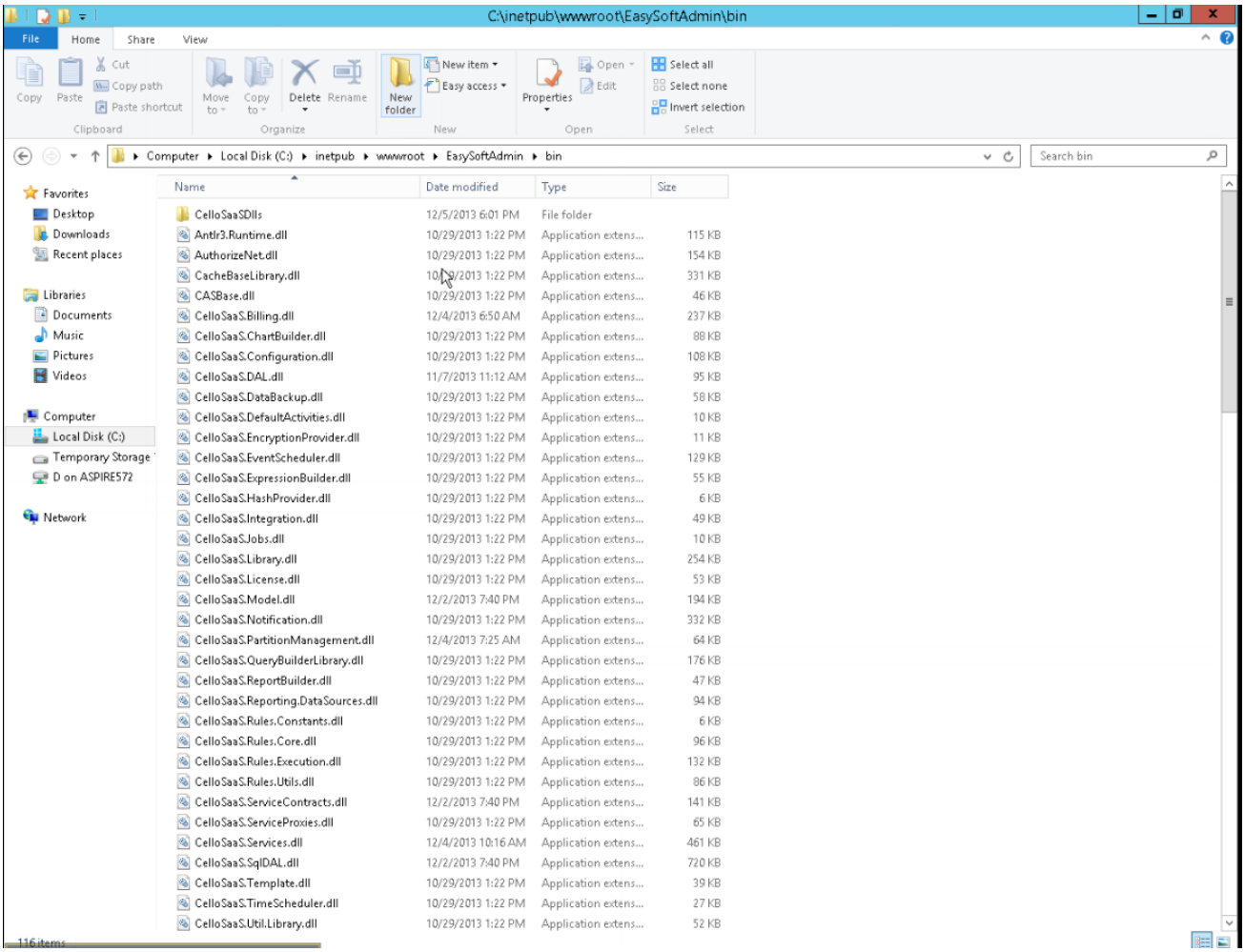
a. Production License

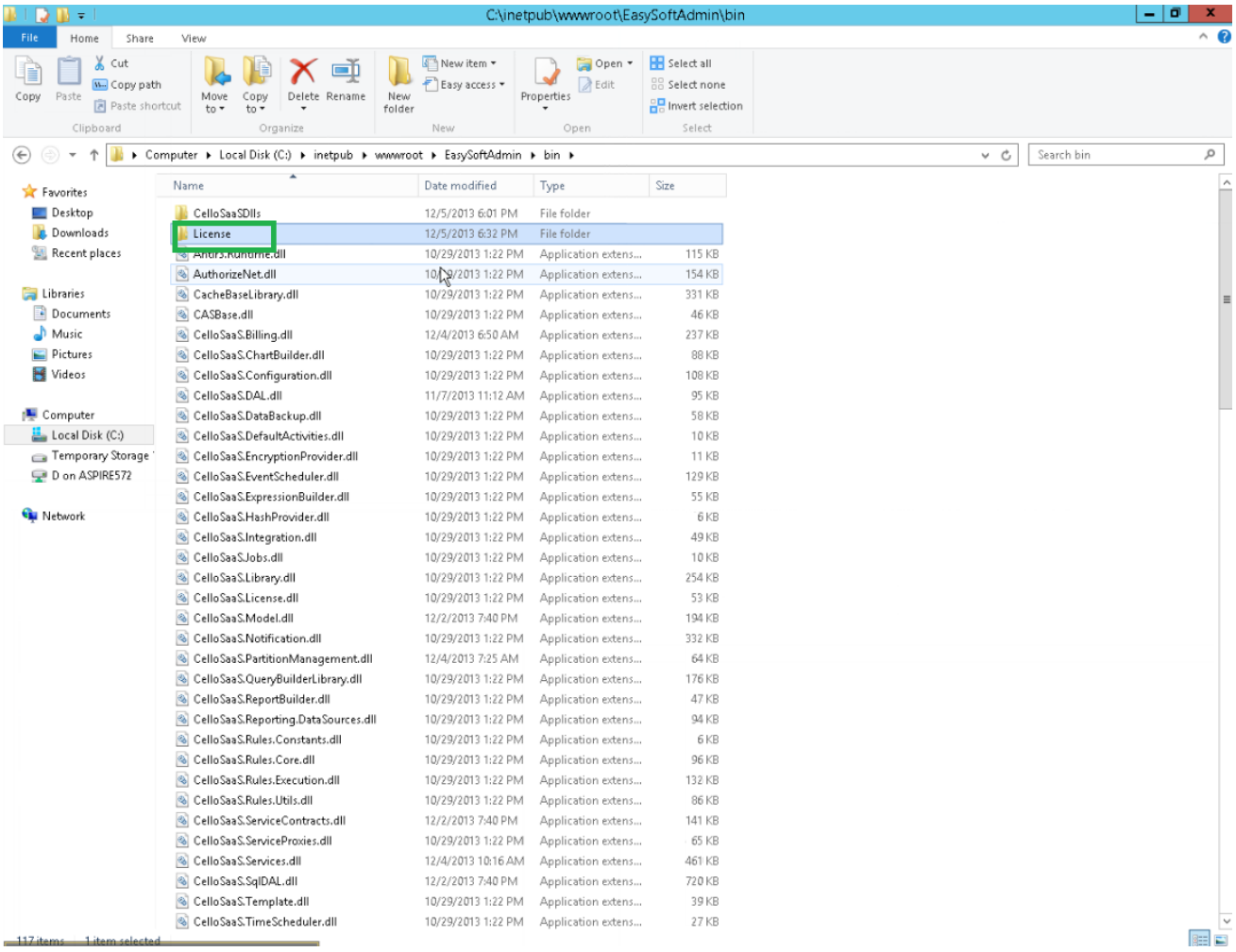
b. Production Trial License

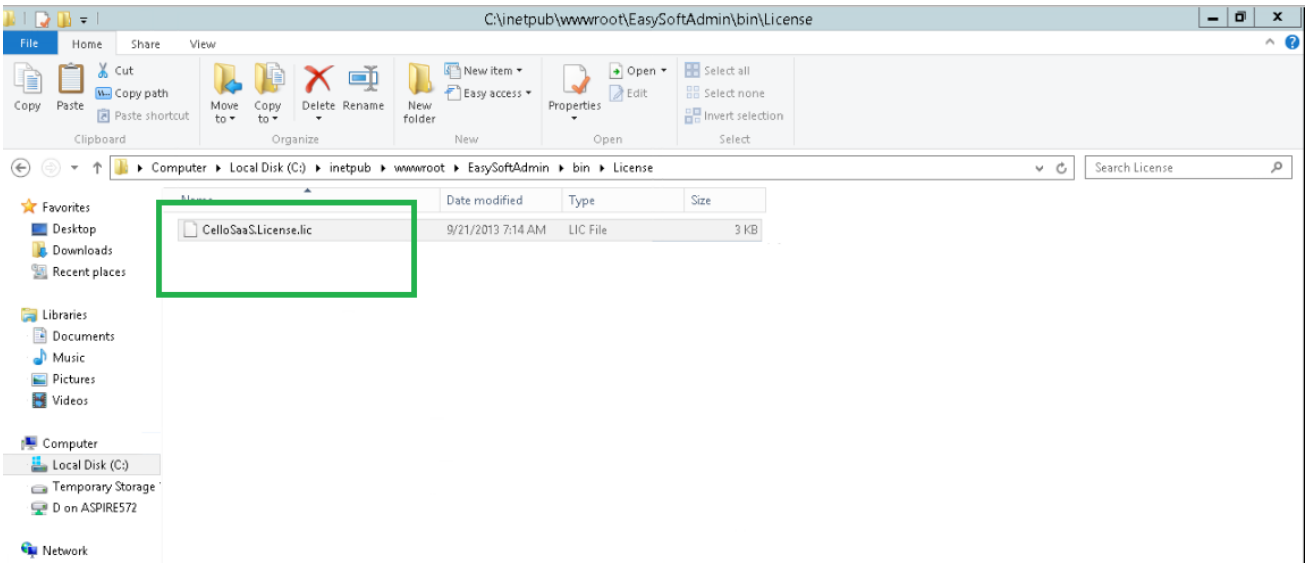
The following steps are common for both of the variants. Obtain the CelloSaaS.License.lic file from sales@techcello.com and perform the following steps

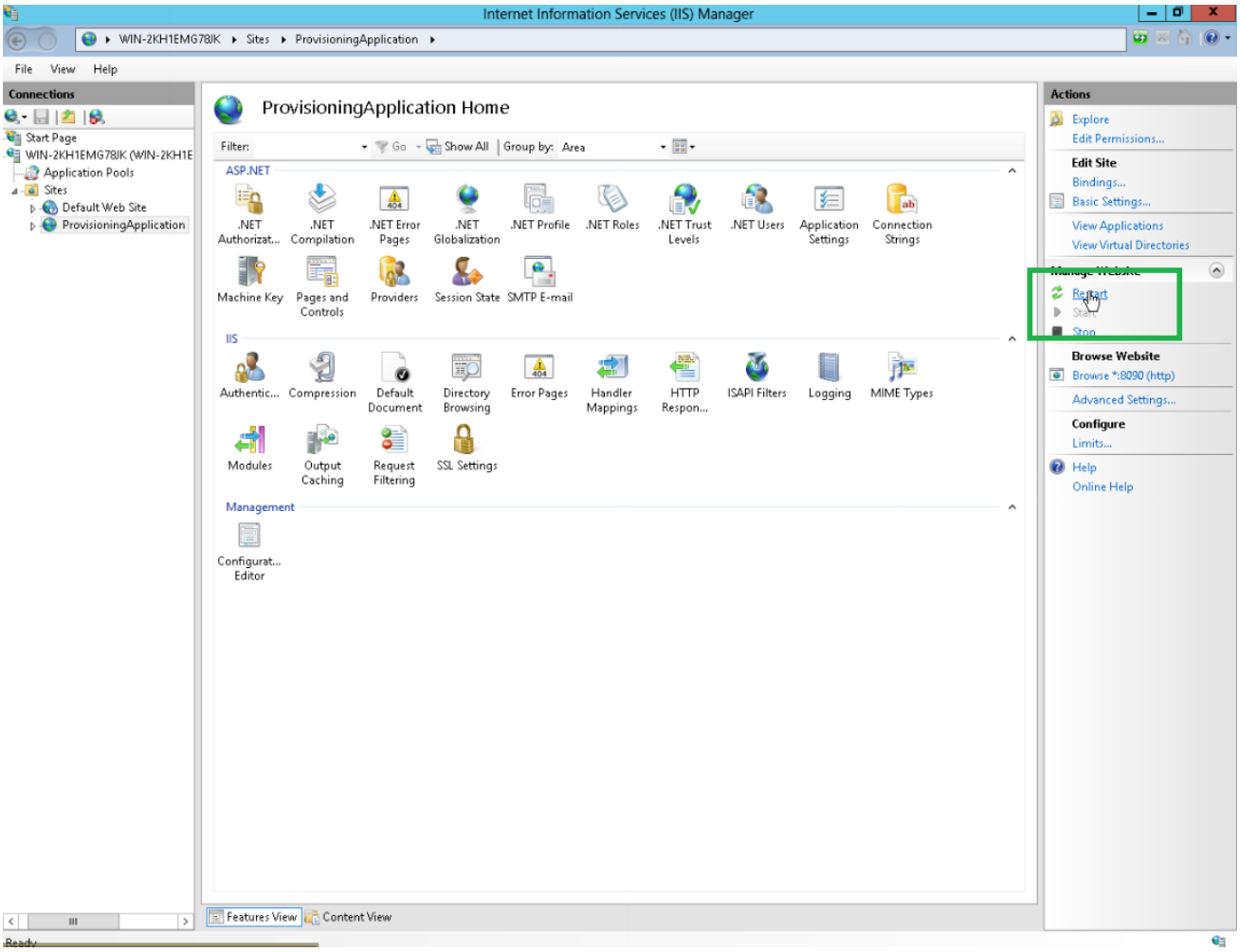


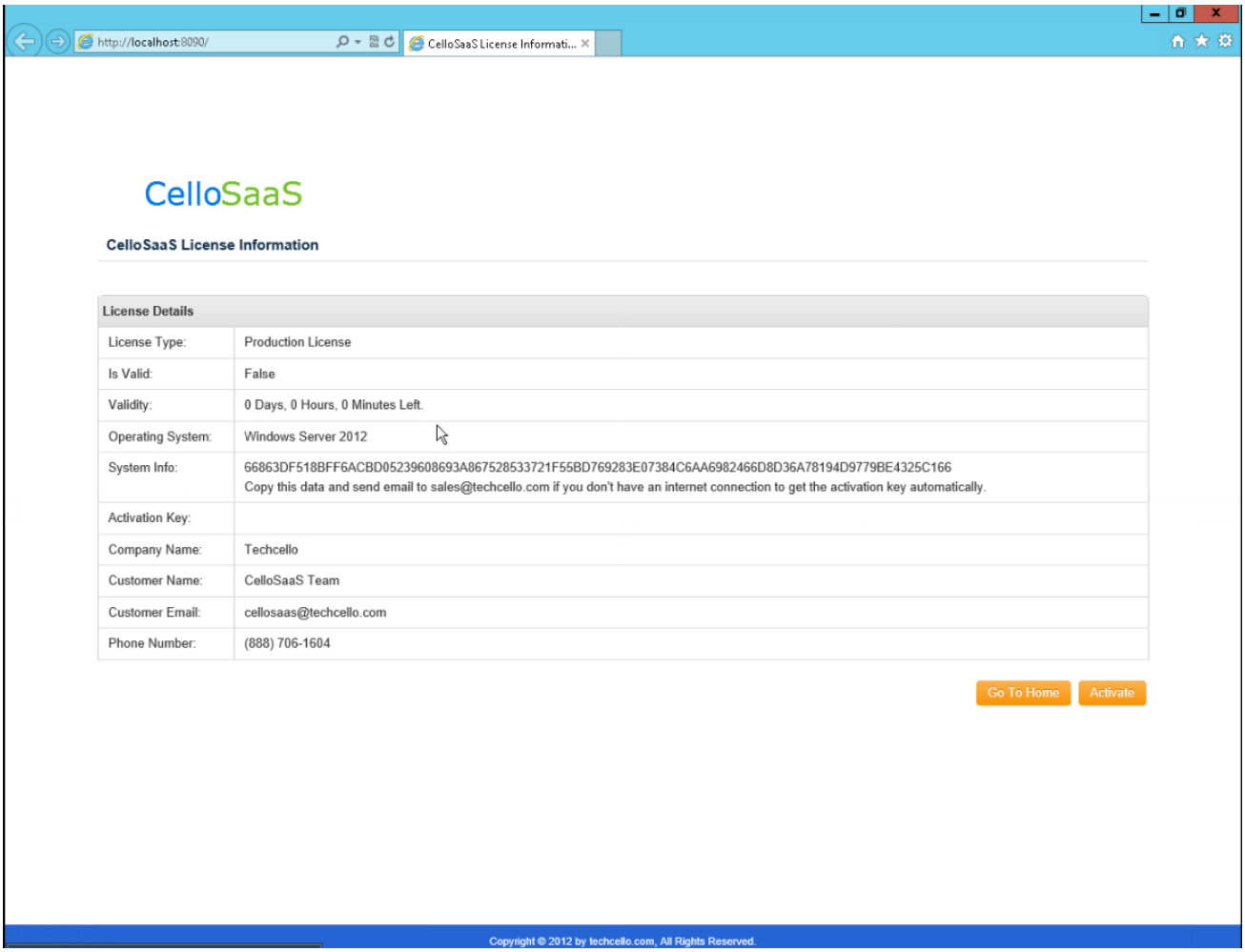

Internet Information Services (IIS) Manager
WIN-2KH1EMG78IK ▸ Sites ▸ ProvisioningApplication ▸
File View Help
Connections
Start Page
WIN-2KH1EMG78IK (WIN-2KH1E
Application Pools
Sites
Default Web Site
ProvisioningApplication
ProvisioningApplication Home
Filter:
Go
Show All
Group by: Area
ASP.NET
.NET Authorizat...
.NET Compilation
.NET Error Pages
.NET Globalization
.NET Profile
.NET Roles
.NET Trust Levels
.NET Users
Application Settings
Connection Strings
Machine Key
Pages and Controls
Providers
Session State
SMTP E-mail
IIS
Authentic...
Compression
Default Document
Directory Browsing
Error Pages
Handler Mappings
HTTP Respon...
ISAPI Filters
Logging
MIME Types
Modules
Output Caching
Request Filtering
SSL Settings
Management
Configurat... Editor
Actions
Explore
Edit Permissions...
Edit Site
Bindings...
Basic Settings...
View Applications
View Virtual Directories
Manage Website
Restart
Start
Stop
Browse Website
Browse *:8090 (http)
Advanced Settings...
Configure
Limits...
Help
Online Help

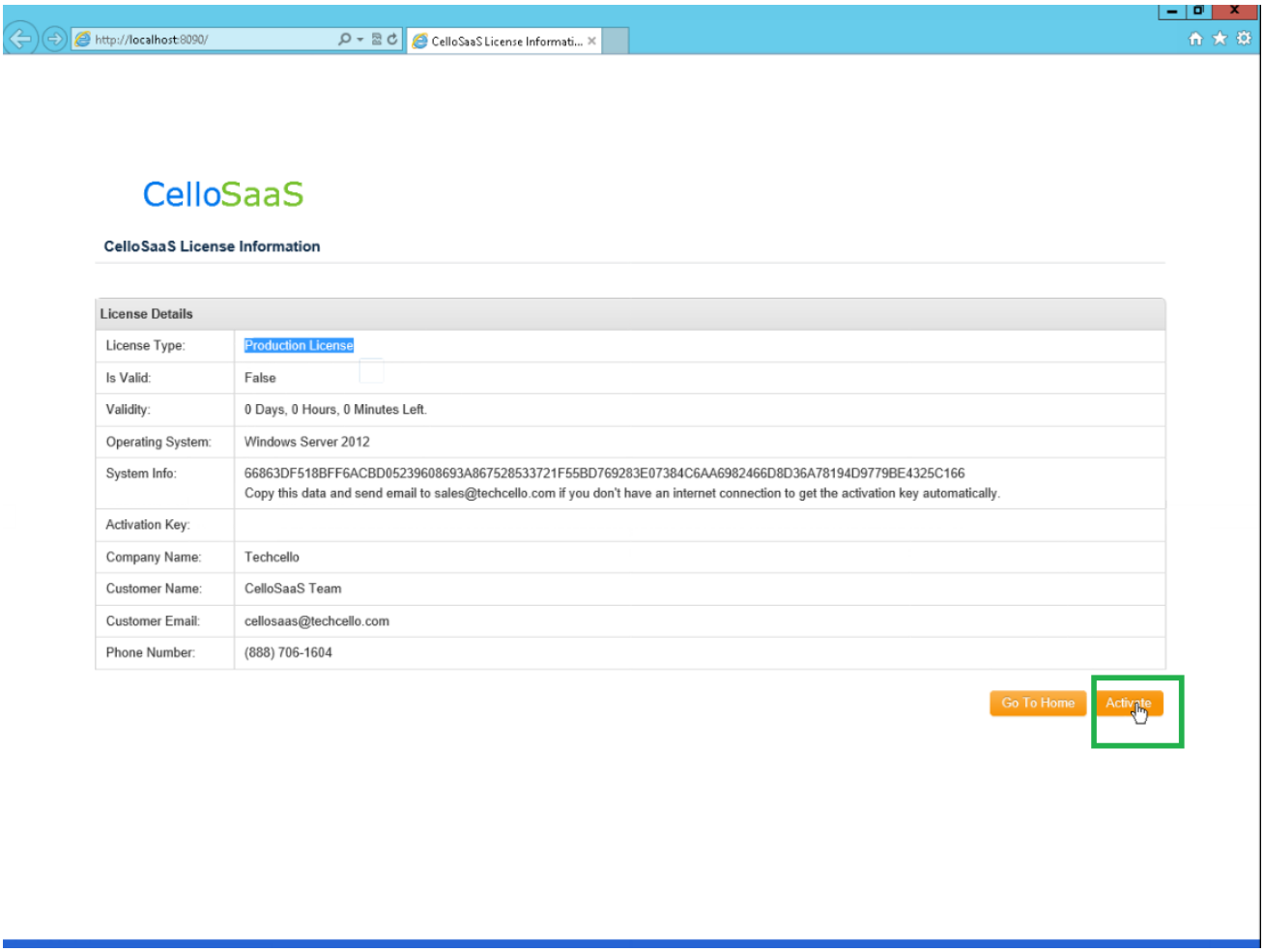

C:\inetpub\wwwroot\EasySoftAdmin\bin
File
Home
Share
View
Copy
Paste
Cut
Copy path
Paste shortcut
Clipboard
Move to
Copy to
Delete
Rename
Organize
New folder
New item
Easy access
New
Properties
Open
Edit
Open
Select all
Select none
Invert selection
Select
Computer ▸ Local Disk (C:) ▸ inetpub ▸ wwwroot ▸ EasySoftAdmin ▸ bin
Search bin
Favorites
Desktop
Downloads
Recent places
Libraries
Documents
Music
Pictures
Videos
Computer
Local Disk (C:)
Temporary Storage
D on ASPIRE572
Network
Name
Date modified
Type
Size
CelloSaaSDlls 12/5/2013 6:01 PM File folder
Antlr3.Runtime.dll 10/29/2013 1:22 PM Application extens... 115 KB
AuthorizeNet.dll 10/29/2013 1:22 PM Application extens... 154 KB
CacheBaseLibrary.dll 10/29/2013 1:22 PM Application extens... 331 KB
CASBase.dll 10/29/2013 1:22 PM Application extens... 46 KB
CelloSaaS.Billing.dll 12/4/2013 6:50 AM Application extens... 237 KB
CelloSaaS.ChartBuilder.dll 10/29/2013 1:22 PM Application extens... 88 KB
CelloSaaS.Configuration.dll 10/29/2013 1:22 PM Application extens... 108 KB
CelloSaaS.DAL.dll 11/7/2013 11:12 AM Application extens... 95 KB
CelloSaaS.DataBackup.dll 10/29/2013 1:22 PM Application extens... 58 KB
CelloSaaS.DefaultActivities.dll 10/29/2013 1:22 PM Application extens... 10 KB
CelloSaaS.EncryptionProvider.dll 10/29/2013 1:22 PM Application extens... 11 KB
CelloSaaS.EventScheduler.dll 10/29/2013 1:22 PM Application extens... 129 KB
CelloSaaS.ExpressionBuilder.dll 10/29/2013 1:22 PM Application extens... 55 KB
CelloSaaS.HashProvider.dll 10/29/2013 1:22 PM Application extens... 6 KB
CelloSaaS.Integration.dll 10/29/2013 1:22 PM Application extens... 49 KB
CelloSaaS.Jobs.dll 10/29/2013 1:22 PM Application extens... 10 KB
CelloSaaS.Library.dll 10/29/2013 1:22 PM Application extens... 254 KB
CelloSaaS.License.dll 10/29/2013 1:22 PM Application extens... 53 KB
CelloSaaS.Model.dll 12/2/2013 7:40 PM Application extens... 194 KB
CelloSaaS.Notification.dll 10/29/2013 1:22 PM Application extens... 332 KB
CelloSaaS.PartitionManagement.dll 12/4/2013 7:25 AM Application extens... 64 KB
CelloSaaS.QueryBuilderLibrary.dll 10/29/2013 1:22 PM Application extens... 176 KB
CelloSaaS.ReportBuilder.dll 10/29/2013 1:22 PM Application extens... 47 KB
CelloSaaS.Reporting.DataSources.dll 10/29/2013 1:22 PM Application extens... 94 KB
CelloSaaS.Rules.Constants.dll 10/29/2013 1:22 PM Application extens... 6 KB
CelloSaaS.Rules.Core.dll 10/29/2013 1:22 PM Application extens... 96 KB
CelloSaaS.Rules.Execution.dll 10/29/2013 1:22 PM Application extens... 132 KB
CelloSaaS.Rules.Utils.dll 10/29/2013 1:22 PM Application extens... 86 KB
CelloSaaS.ServiceContracts.dll 12/2/2013 7:40 PM Application extens... 141 KB
CelloSaaS.ServiceProxies.dll 10/29/2013 1:22 PM Application extens... 65 KB
CelloSaaS.Services.dll 12/4/2013 10:16 AM Application extens... 461 KB
CelloSaaS.SqlDAL.dll 12/2/2013 7:40 PM Application extens... 720 KB
CelloSaaS.Template.dll 10/29/2013 1:22 PM Application extens... 39 KB
CelloSaaS.TimeScheduler.dll 10/29/2013 1:22 PM Application extens... 27 KB
CelloSaaS.Util.Library.dll 10/29/2013 1:22 PM Application extens... 52 KB
116 items

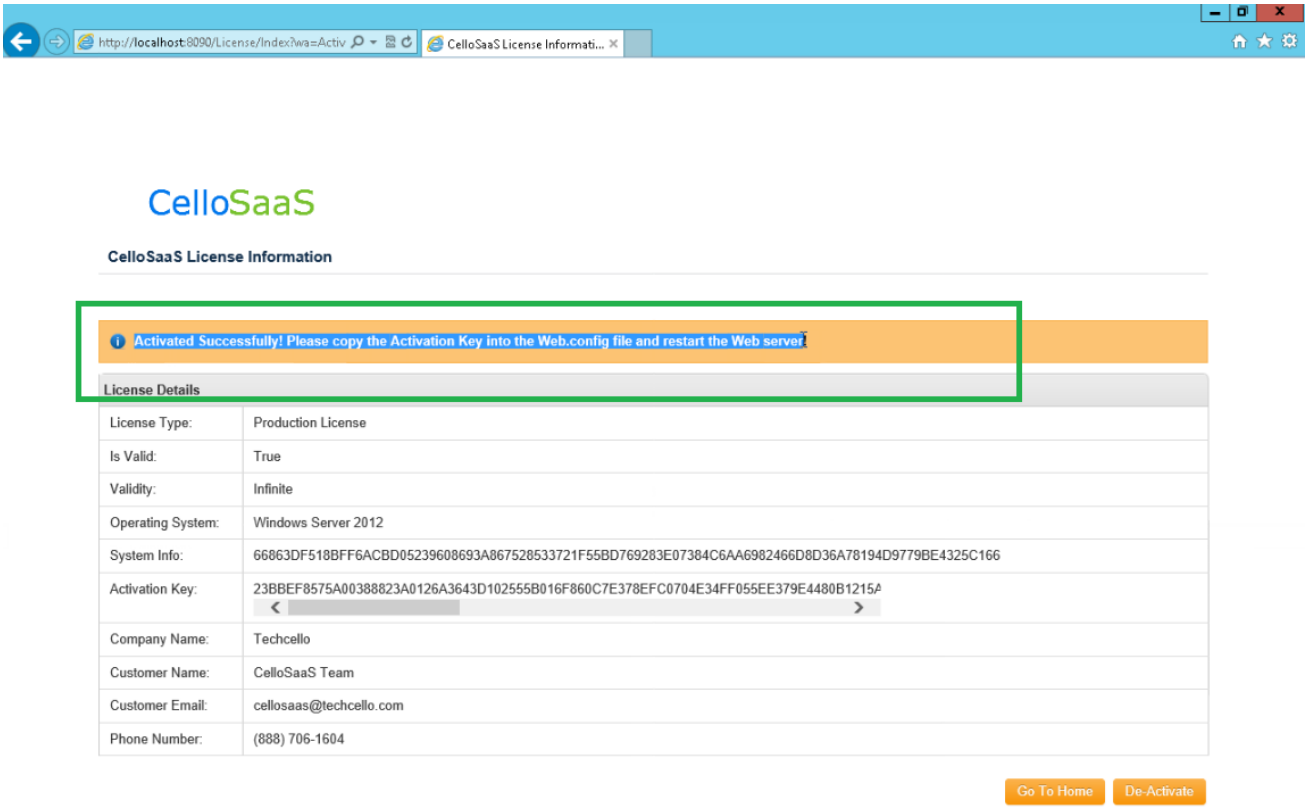

C:\inetpub\wwwroot\EasySoftAdmin\bin
Computer ▸ Local Disk (C:) ▸ inetpub ▸ wwwroot ▸ EasySoftAdmin ▸ bin ▸
Search bin
Name
Date modified
Type
Size
CelloSaaSDlls
License
AuthorizeNet.dll
CacheBaseLibrary.dll
CASBase.dll
CelloSaaS.Billing.dll
CelloSaaS.ChartBuilder.dll
CelloSaaS.Configuration.dll
CelloSaaS.DAL.dll
CelloSaaS.DataBackup.dll
CelloSaaS.DefaultActivities.dll
CelloSaaS.EncryptionProvider.dll
CelloSaaS.EventScheduler.dll
CelloSaaS.ExpressionBuilder.dll
CelloSaaS.HashProvider.dll
CelloSaaS.Integration.dll
CelloSaaS.Jobs.dll
CelloSaaS.Library.dll
CelloSaaS.License.dll
CelloSaaS.Model.dll
CelloSaaS.Notification.dll
CelloSaaS.PartitionManagement.dll
CelloSaaS.QueryBuilderLibrary.dll
CelloSaaS.ReportBuilder.dll
CelloSaaS.Reporting.DataSources.dll
CelloSaaS.Rules.Constants.dll
CelloSaaS.Rules.Core.dll
CelloSaaS.Rules.Execution.dll
CelloSaaS.Rules.Utils.dll
CelloSaaS.ServiceContracts.dll
CelloSaaS.ServiceProxies.dll
CelloSaaS.Services.dll
CelloSaaS.SqlDAL.dll
CelloSaaS.Template.dll
CelloSaaS.TimeScheduler.dll


C:\inetpub\wwwroot\EasySoftAdmin\bin\License
Computer ▸ Local Disk (C:) ▸ inetpub ▸ wwwroot ▸ EasySoftAdmin ▸ bin ▸ License
Search License
CelloSaaS.License.lic
9/21/2013 7:14 AM
LIC File
3 KB


Internet Information Services (IIS) Manager
WIN-2KH1EMG78IK ▸ Sites ▸ ProvisioningApplication ▸
File View Help
Connections
Start Page
WIN-2KH1EMG78IK (WIN-2KH1E
Application Pools
Sites
Default Web Site
ProvisioningApplication
ProvisioningApplication Home
Filter:
Go
Show All
Group by: Area
ASP.NET
.NET Authorizat...
.NET Compilation
.NET Error Pages
.NET Globalization
.NET Profile
.NET Roles
.NET Trust Levels
.NET Users
Application Settings
Connection Strings
Machine Key
Pages and Controls
Providers
Session State
SMTP E-mail
IIS
Authentic...
Compression
Default Document
Directory Browsing
Error Pages
Handler Mappings
HTTP Respon...
ISAPI Filters
Logging
MIME Types
Modules
Output Caching
Request Filtering
SSL Settings
Management
Configurat... Editor
Features View
Content View
Ready
Actions
Explore
Edit Permissions...
Edit Site
Bindings...
Basic Settings...
View Applications
View Virtual Directories
Restart
Start
Stop
Browse Website
Browse *:8090 (http)
Advanced Settings...
Configure
Limits...
Help
Online Help


http://localhost:8090/
CelloSaaS License Informati...
CelloSaaS
CelloSaaS License Information
License Details
License Type: Production License
Is Valid: False
Validity: 0 Days, 0 Hours, 0 Minutes Left.
Operating System: Windows Server 2012
System Info: 66863DF518BFF6ACBD05239608693A867528533721F55BD769283E07384C6AA6982466D8D36A78194D9779BE4325C166
Copy this data and send email to sales@techcello.com if you don't have an internet connection to get the activation key automatically.
Activation Key:
Company Name: Techcello
Customer Name: CelloSaaS Team
Customer Email: cellosaas@techcello.com
Phone Number: (888) 706-1604
Go To Home
Activate
Copyright © 2012 by techcello.com, All Rights Reserved.


http://localhost:8090/
CelloSaaS License Informati...
CelloSaaS
CelloSaaS License Information
License Details
License Type: Production License
Is Valid: False
Validity: 0 Days, 0 Hours, 0 Minutes Left.
Operating System: Windows Server 2012
System Info: 66863DF518BFF6ACBD05239608693A867528533721F55BD769283E07384C6AA6982466D8D36A78194D9779BE4325C166
Copy this data and send email to sales@techcello.com if you don't have an internet connection to get the activation key automatically.
Activation Key:
Company Name: Techcello
Customer Name: CelloSaaS Team
Customer Email: cellosaas@techcello.com
Phone Number: (888) 706-1604
Go To Home
Activate


http://localhost:8090/License/Index?wa=Activ
CelloSaaS License Informati...
CelloSaaS
CelloSaaS License Information
Activated Successfully! Please copy the Activation Key into the Web.config file and restart the Web server
License Details
License Type: Production License
Is Valid: True
Validity: Infinite
Operating System: Windows Server 2012
System Info: 66863DF518BFF6ACBD05239608693A867528533721F55BD769283E07384C6AA6982466D8D36A78194D9779BE4325C166
Activation Key: 23BBEF8575A00388823A0126A3643D102555B016F860C7E378EFC0704E34FF055EE379E4480B1215A
Company Name: Techcello
Customer Name: CelloSaaS Team
Customer Email: cellosaas@techcello.com
Phone Number: (888) 706-1604
Go To Home
De-Activate

Contact Information

Any problem using this guide (or) using Cello Framework. Please feel free to contact us, we will be happy to assist you in getting started with Cello.

Email: support@techcello.com

Phone: +1(609)503-7163

Skype: techcello