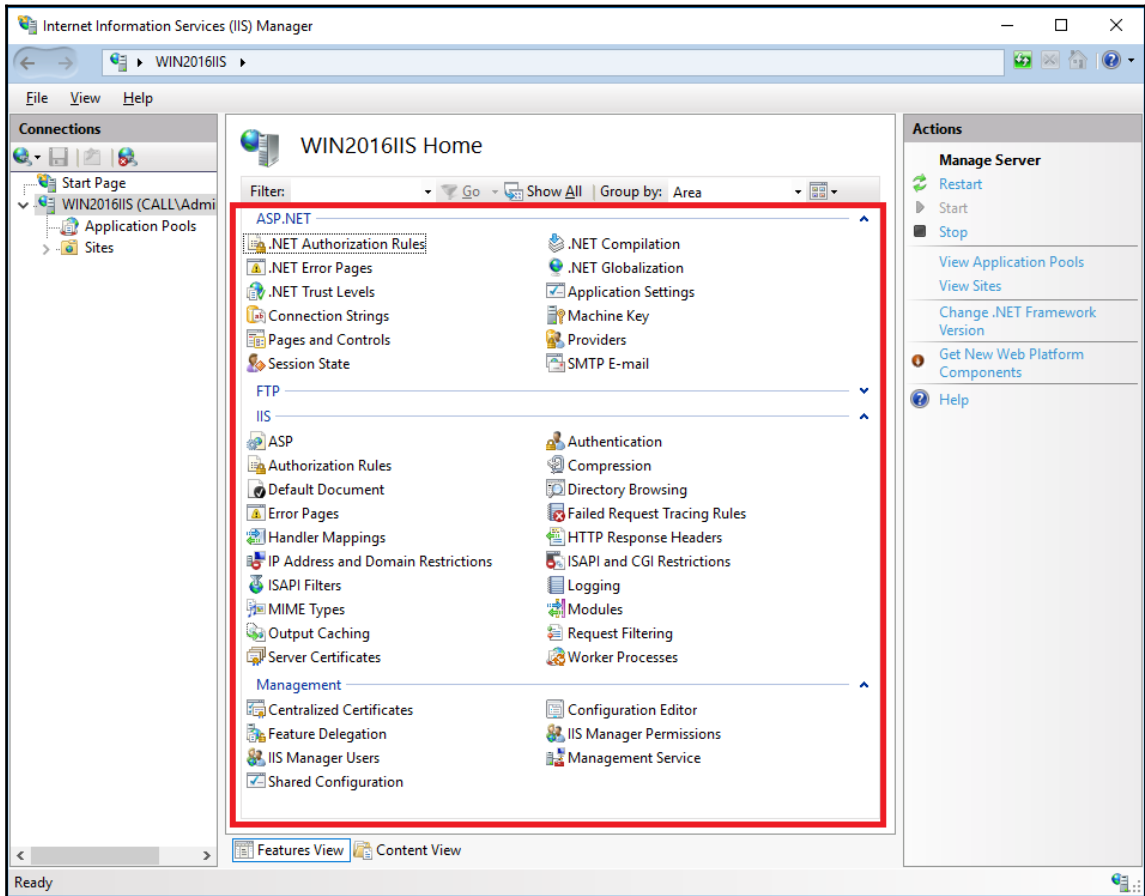


Chapter 1: Integrating IIS 10.0 with Windows Server 2016



Internet Information Services (IIS) Manager

WIN2016IIS

File View Help

Connections

- Start Page
- WIN2016IIS (CALLVA)
 - Application Pool
 - Sites

Modules

Use this feature to configure the native and managed code modules that process requests made to the Web server.

Group by: No Grouping

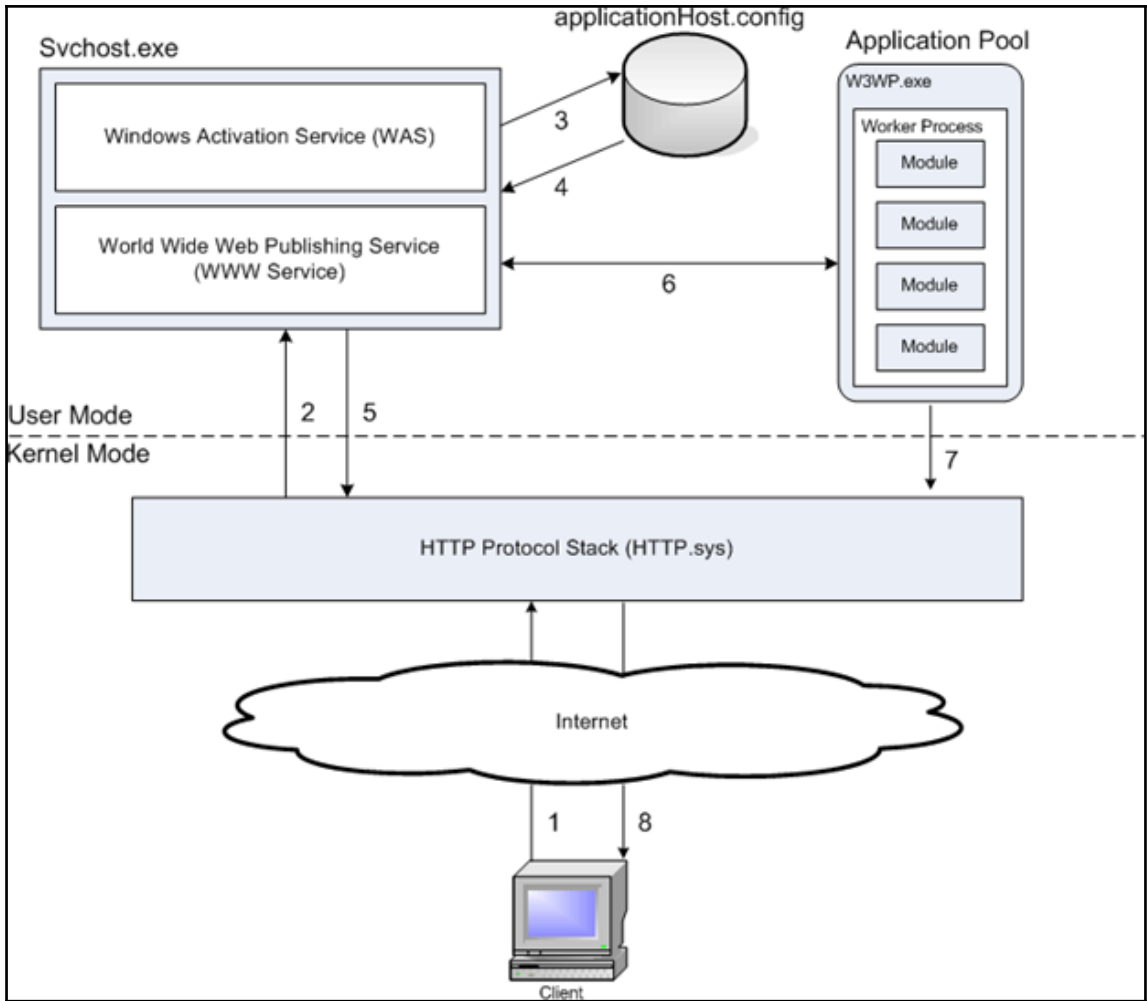
Name	Code	Module Type
AnonymousAuthenticationModule	%windir%\System32\inetsrv\...	Native
AnonymousIdentification	System.Web.Security.Anonym...	Managed
ApplicationInitializationModule	%windir%\System32\inetsrv\...	Native
AspNetCoreModule	%SystemRoot%\system32\in...	Native
BasicAuthenticationModule	%windir%\System32\inetsrv\...	Native
CertificateMappingAuthenticationModule	%windir%\System32\inetsrv\...	Native
ConfigurationValidationModule	%windir%\System32\inetsrv\...	Native
CustomErrorModule	%windir%\System32\inetsrv\...	Native
CustomLoggingModule	%windir%\System32\inetsrv\l...	Native
DefaultAuthentication	System.Web.Security.Default...	Managed
DefaultDocumentModule	%windir%\System32\inetsrv\...	Native
DigestAuthenticationModule	%windir%\System32\inetsrv\...	Native
DirectoryListingModule	%windir%\System32\inetsrv\...	Native
DynamicCompressionModule	%windir%\System32\inetsrv\...	Native
DynamicIpRestrictionModule	%windir%\System32\inetsrv\...	Native
FailedRequestsTracingModule	%windir%\System32\inetsrv\i...	Native
FileAuthorization	System.Web.Security.FileAuth...	Managed
FormsAuthentication	System.Web.Security.FormsA...	Managed
HttpCacheModule	%windir%\System32\inetsrv\...	Native
HttpLoggingModule	%windir%\System32\inetsrv\l...	Native
httpPlatformHandler	%SystemRoot%\system32\in...	Native
IISCertificateMappingAuthenticationModule	%windir%\System32\inetsrv\...	Native
...

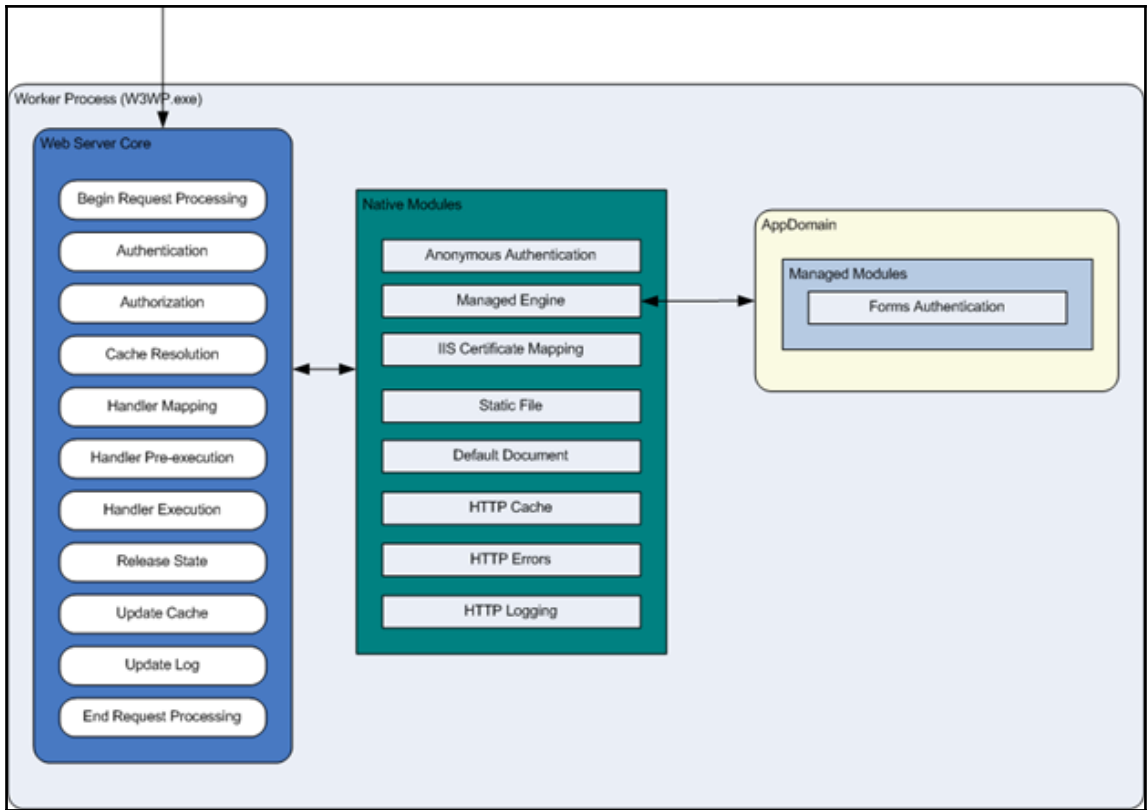
Features View Content View

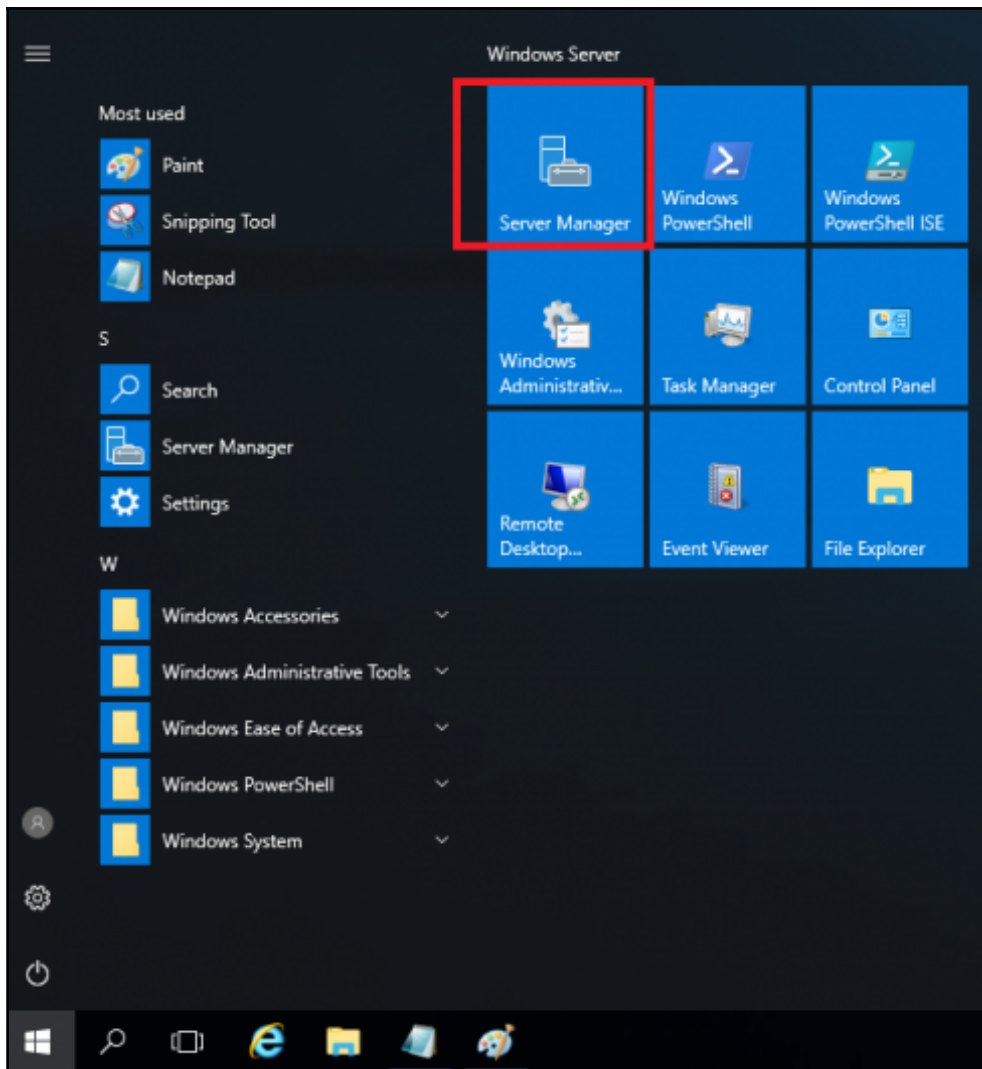
Configuration: 'localhost' applicationHost.config

Actions

- Add Managed Module...
- Configure Native Modules...
- View Ordered List...
- Help







Server Manager

Server Manager ▸ Dashboard

Manage Tools View Help

Dashboard

- Local Server
- All Servers
- File and Storage Services ▸
- IIS

WELCOME TO SERVER MANAGER

1 Configure this local server

2 Add roles and features

3 Add other servers to manage

4 Create a server group

5 Connect this server to cloud services

QUICK START

WHAT'S NEW

LEARN MORE

Hide

ROLES AND SERVER GROUPS

Roles: 2 | Server groups: 1 | Servers total: 1

Role	Count
File and Storage Services	1
IIS	1

Role	Count
File and Storage Services	1
IIS	1

Manageability

- Events
- Performance
- BPA results

Manageability

- Events
- Services
- Performance
- BPA results

Add Roles and Features Wizard

Select destination server

DESTINATION SERVER
WIN2016IIS.Call.com

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:

Name	IP Address	Operating System
WIN2016IIS.Call.com	172.16.15.60	Microsoft Windows Server 2016 Datacenter

1 Computer(s) found

This page shows servers that are running Windows Server 2012 or a newer release of Windows Server, 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

Add Roles and Features Wizard DESTINATION SERVER
WIN2016IIS.Call.com

Select server roles

Select one or more roles to install on the selected server.

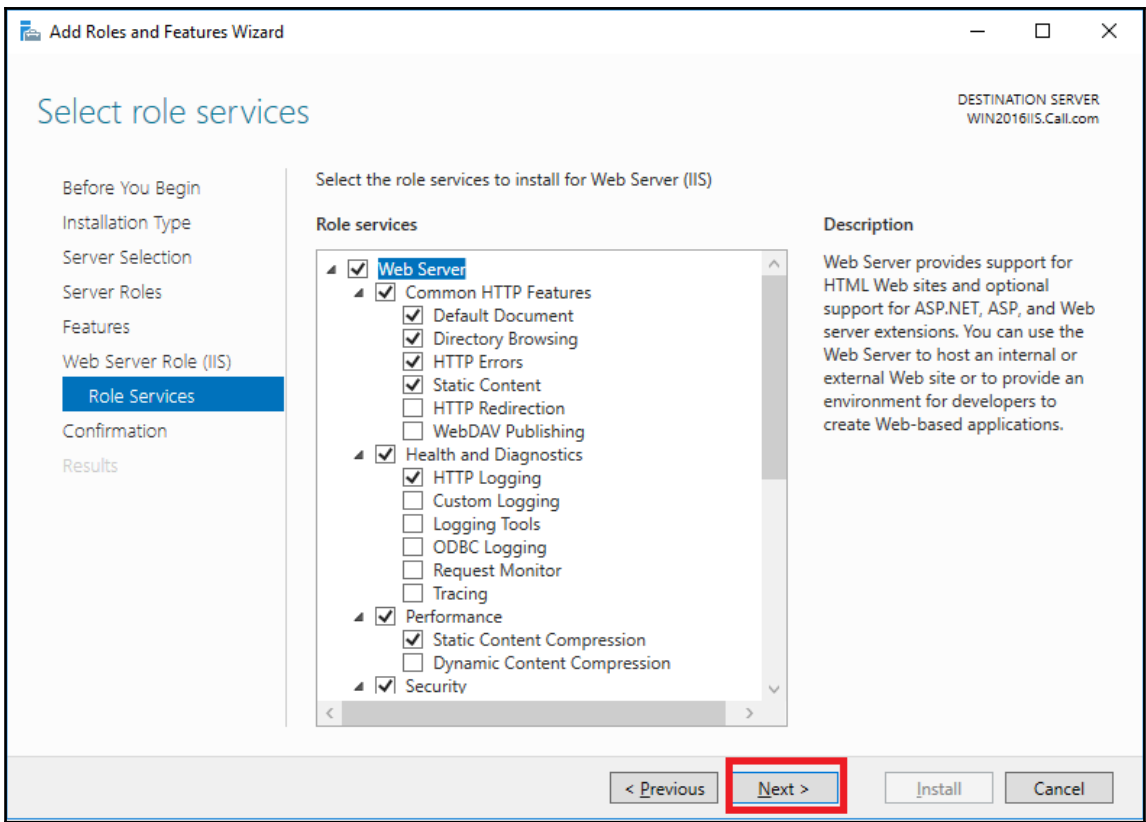
Roles

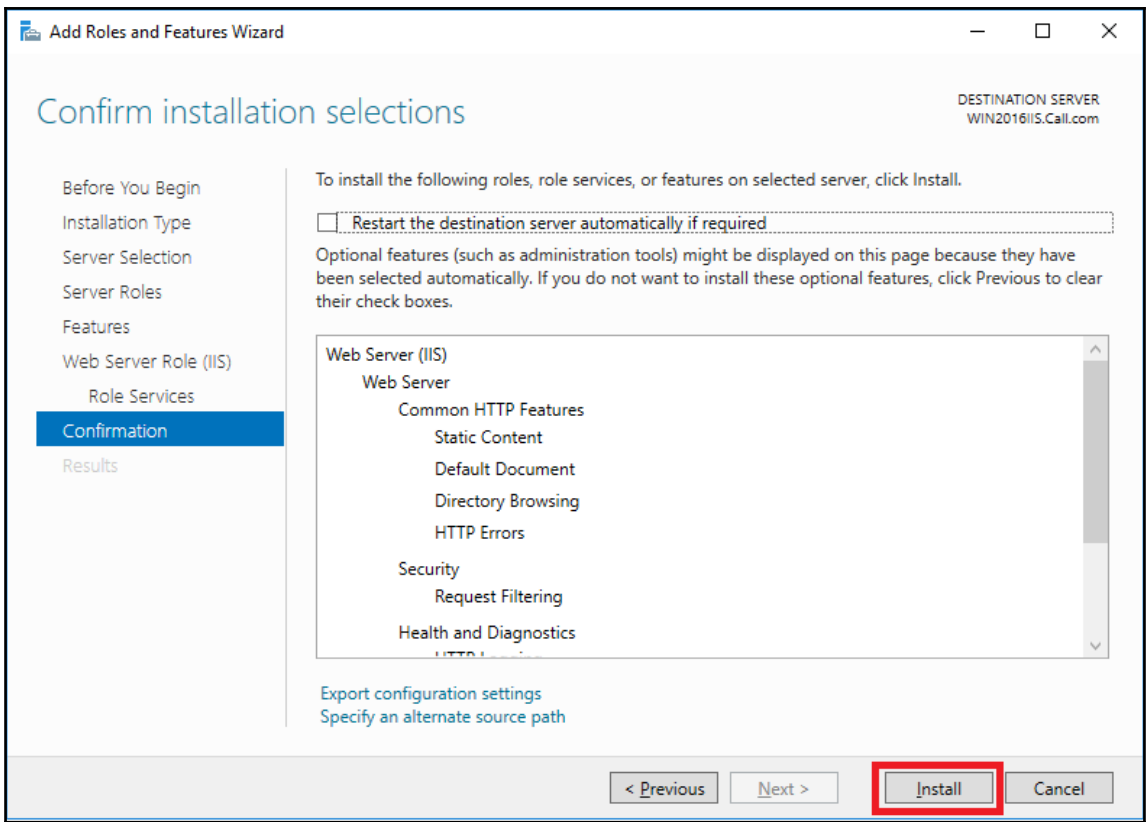
- Active Directory Lightweight Directory Services
- Active Directory Rights Management Services
- Device Health Attestation
- DHCP Server
- DNS Server
- Fax Server
- File and Storage Services (1 of 12 installed)
- Host Guardian Service
- Hyper-V
- MultiPoint Services
- Network Controller
- Network Policy and Access Services
- Print and Document Services
- Remote Access
- Remote Desktop Services
- Volume Activation Services
- Web Server (IIS)**
- Windows Deployment Services
- Windows Server Essentials Experience
- 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

DESTINATION SERVER
WIN2016IIS.Call.com

Installation progress

- Before You Begin
- Installation Type
- Server Selection
- Server Roles
- Features
- Web Server Role (IIS)
 - Role Services
- Confirmation
- Results**

View installation progress

i Feature installation
Installation succeeded on WIN2016IIS.Call.com.

Web Server (IIS)

- Web Server**
 - Common HTTP Features**
 - Static Content
 - Default Document
 - Directory Browsing
 - HTTP Errors
 - Security**
 - Request Filtering
 - Health and Diagnostics**
 - HTTP Logging

i 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

Windows Server

Internet Information Services

Welcome Bienvenue Tervetuloa

ようこそ Benvenuto 歓迎

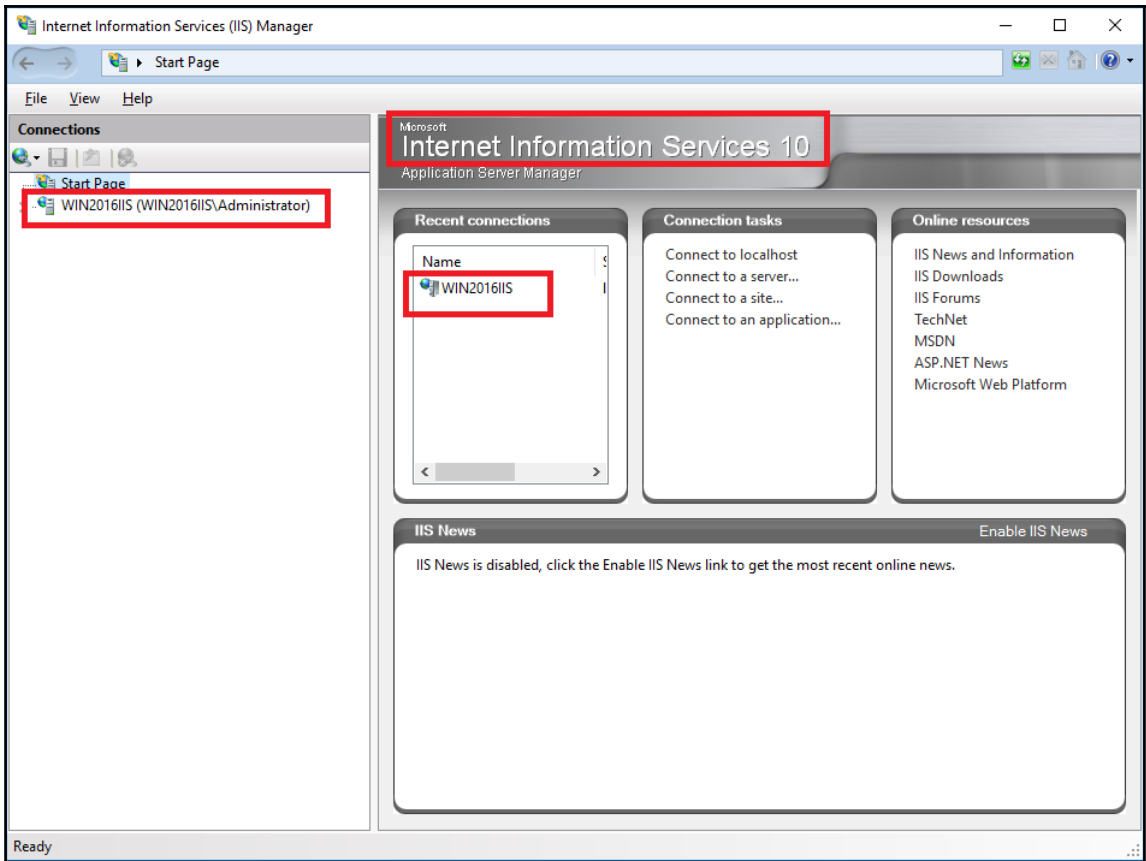
Bem-vindo

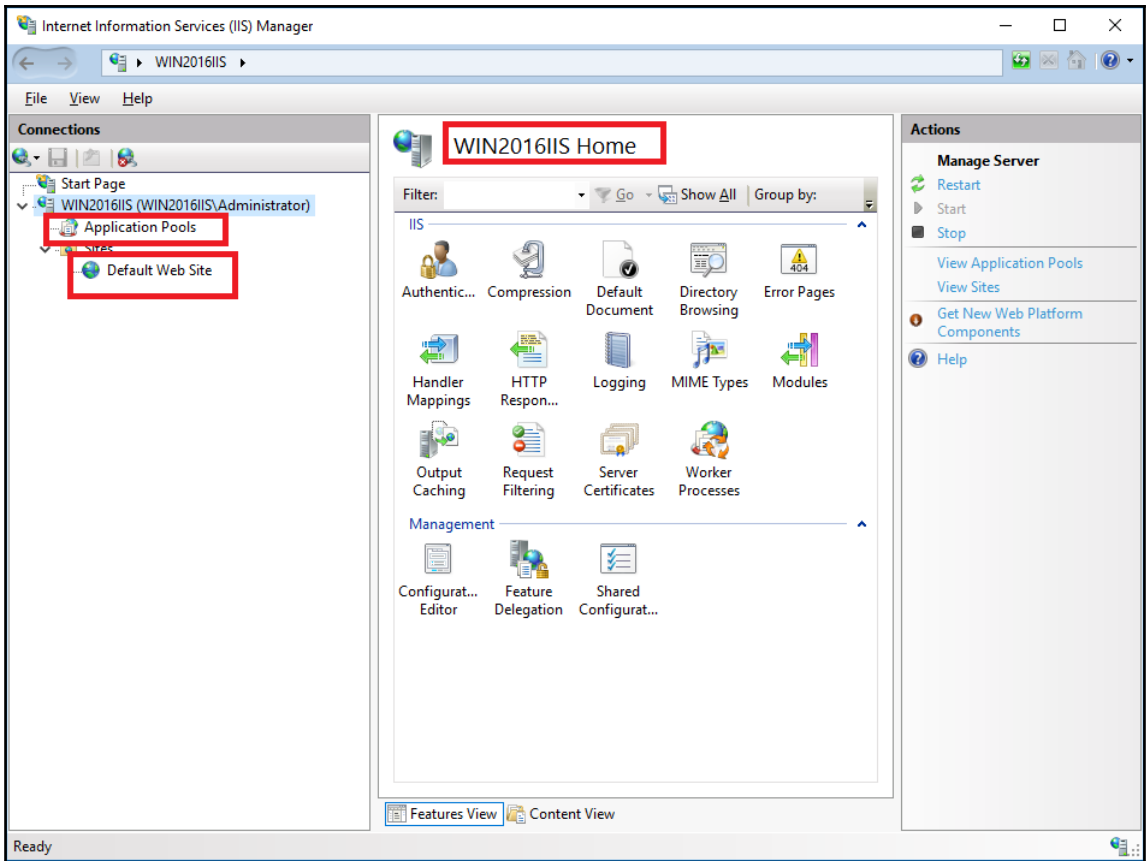
Bienvenido Hoş geldiniz ברוכים הבאים Welkom

Vítejte Καλώς ορίσαστε Välkommen 환영합니다 Добро пожаловать Üdvözöljük

Microsoft Willkommen Velkommen

مرحبا 欢迎 Witamy





Add Roles and Features Wizard [Window Title Bar]

DESTINATION SERVER
WIN2016IIS.Call.com

Select server roles

Select one or more roles to install on the selected server.

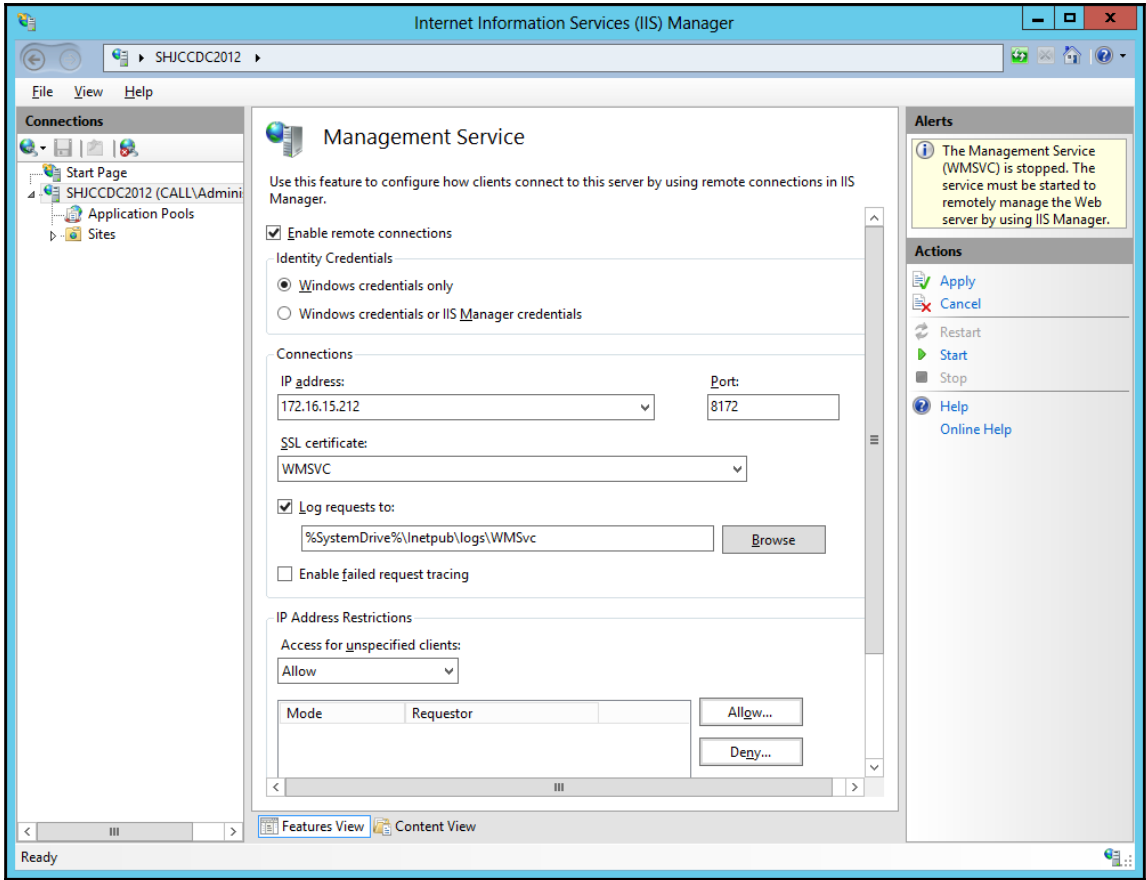
Roles

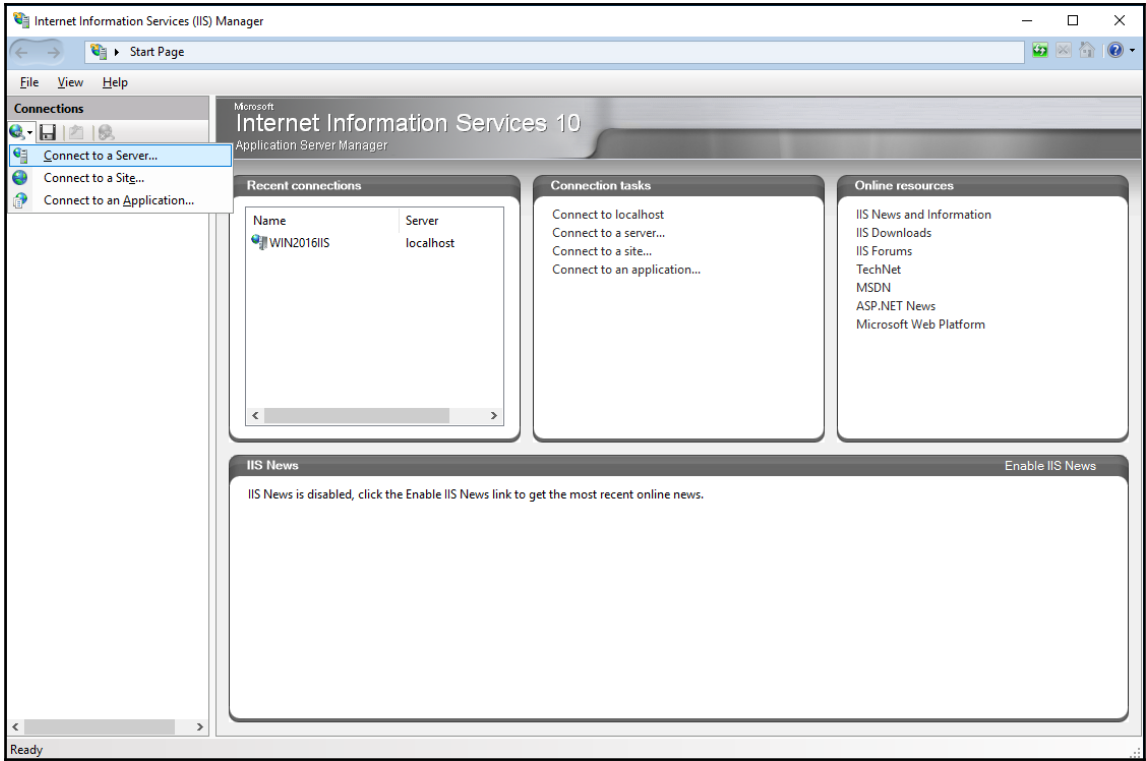
- Host Guardian Service
- Hyper-V
- MultiPoint Services
- Network Controller
- Network Policy and Access Services
- Print and Document Services
- Remote Access
- Remote Desktop Services
- Volume Activation Services
- Web Server (IIS) (10 of 43 installed)**
 - Web Server (9 of 34 installed)**
 - FTP Server
 - Management Tools (1 of 7 installed)**
 - IIS Management Console (Installed)
 - IIS 6 Management Compatibility
 - IIS Management Scripts and Tools
 - Management Service**
- Windows Deployment Services
- Windows Server Essentials Experience
- Windows Server Update Services

Description

Management Service allows the Web server to be managed remotely from another computer using IIS Manager.

< Previous Next > Install Cancel





Connect to Server

?

×



Specify Server Connection Details

Server name:

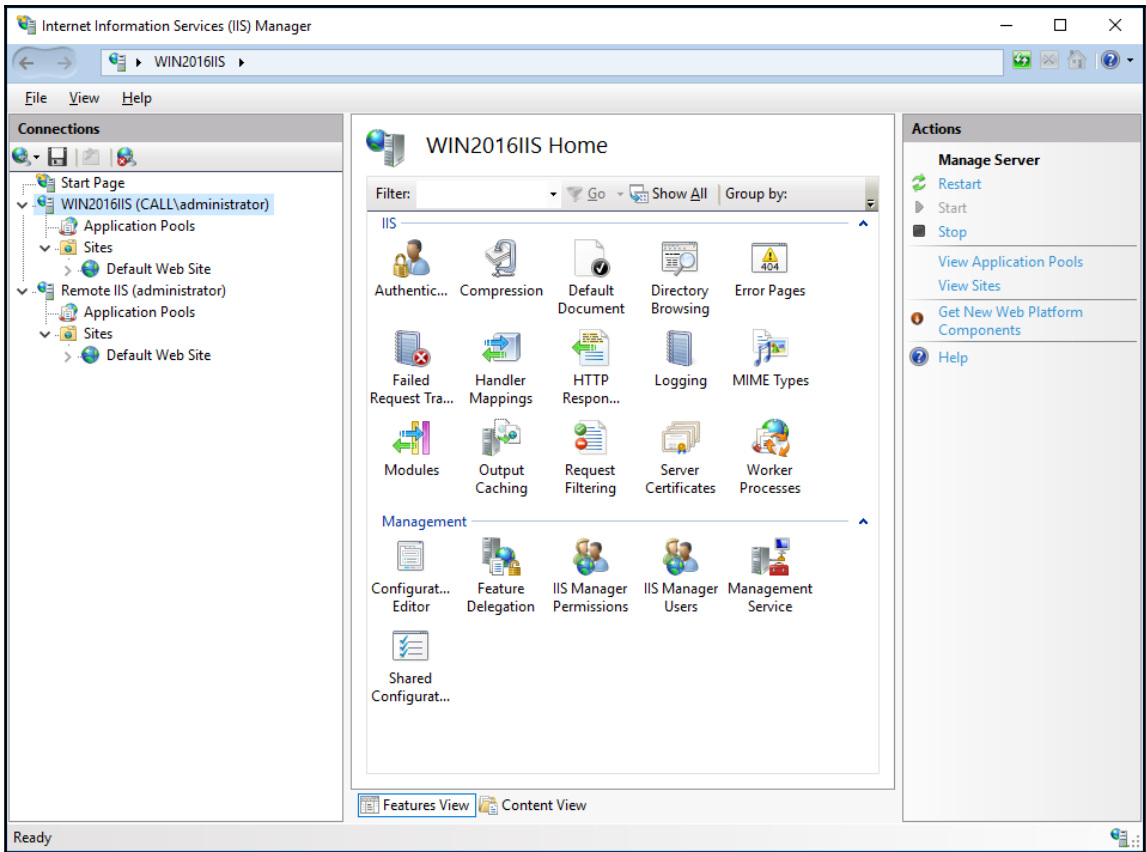
Example: localhost, www.site.net, or WESTSRV01:8080

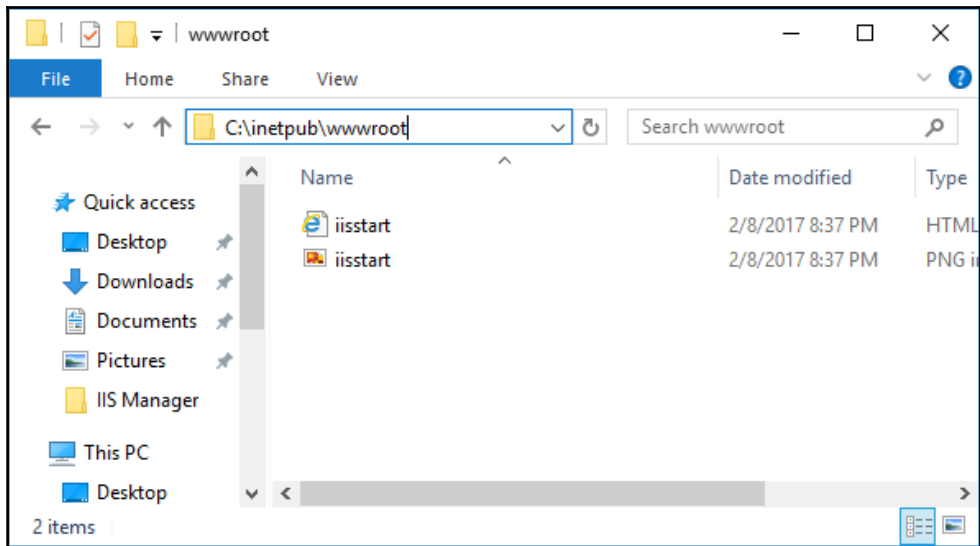
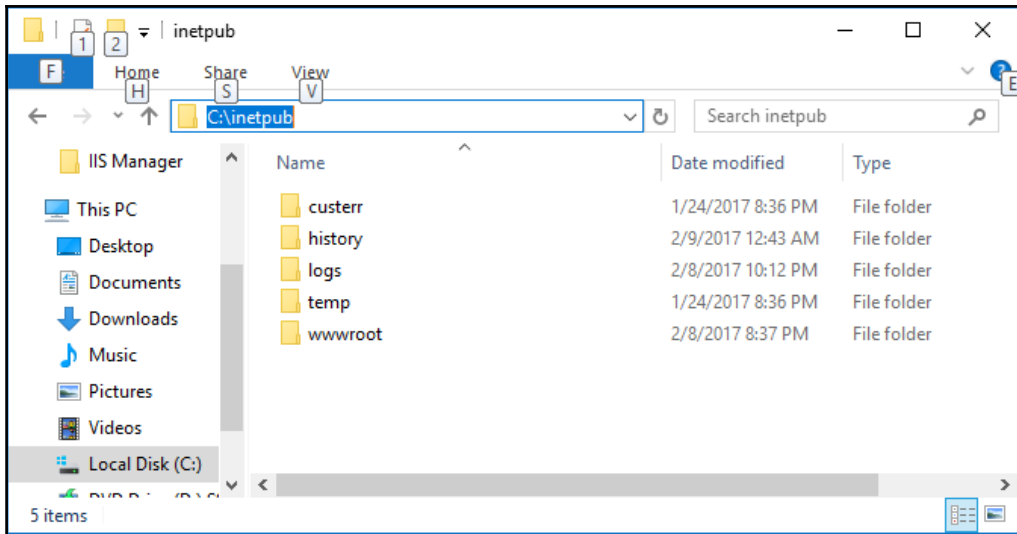
Previous

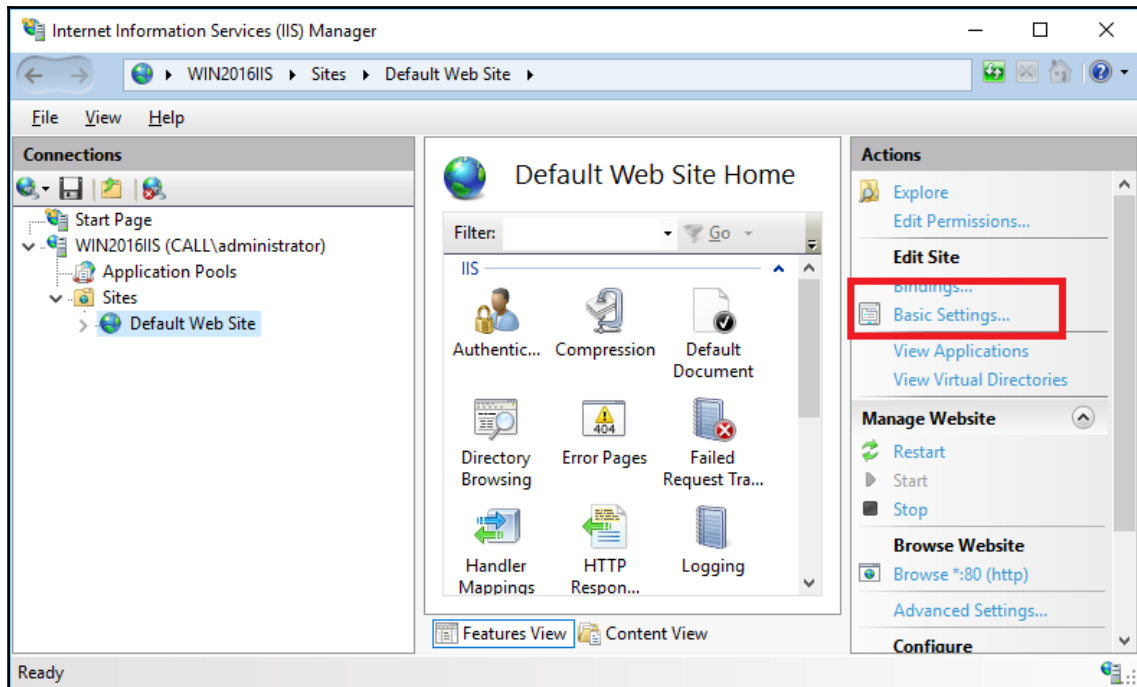
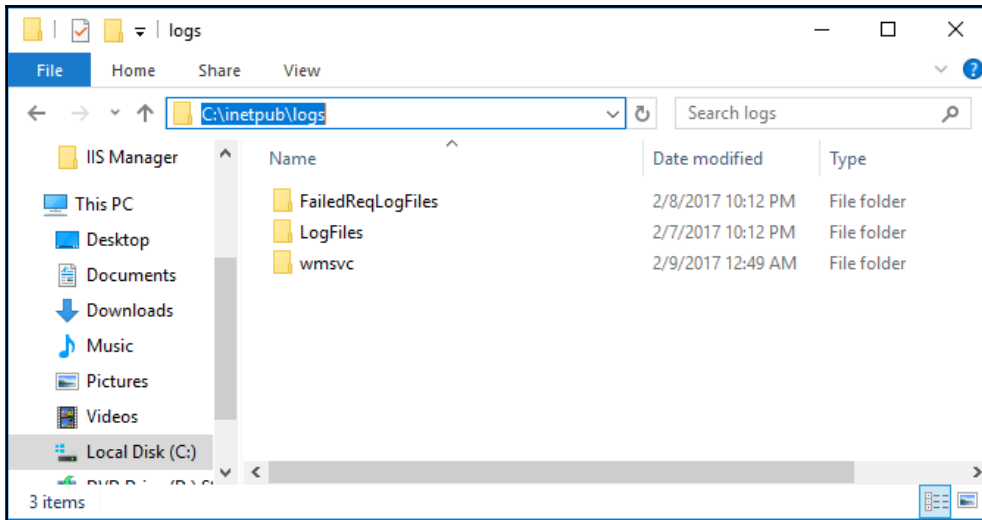
Next

Finish

Cancel







Edit Site

Site name: Application pool:

Physical path:

Pass-through authentication

Site Bindings

Type	Host Name	Port	IP Address	Binding Informa...
http		80	*	

Edit Website Limits

Limit bandwidth usage (in bytes):

Connection Limits

Connection time-out (in seconds):

Limit number of connections:

OK Cancel

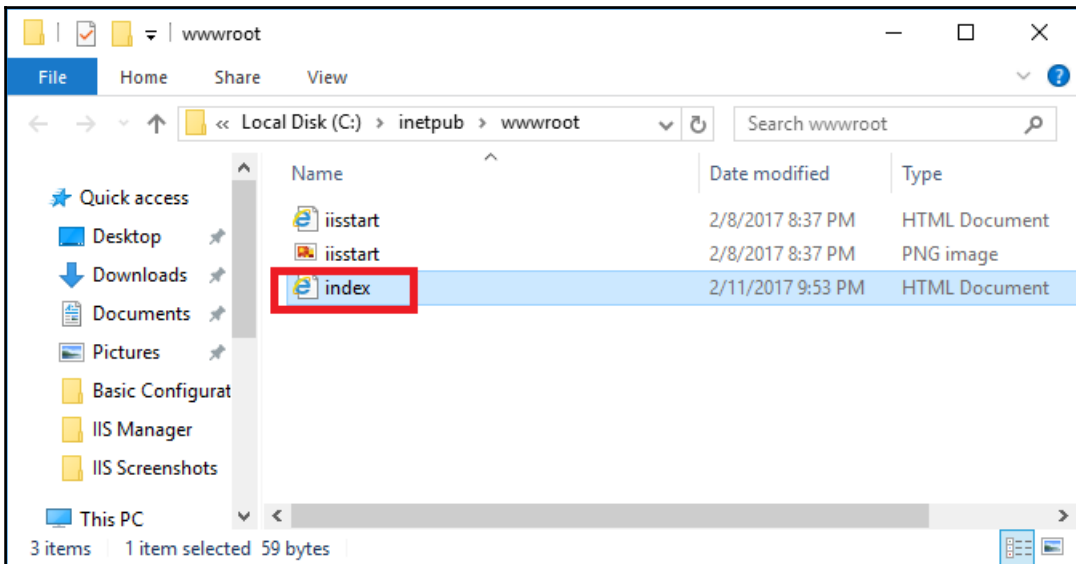
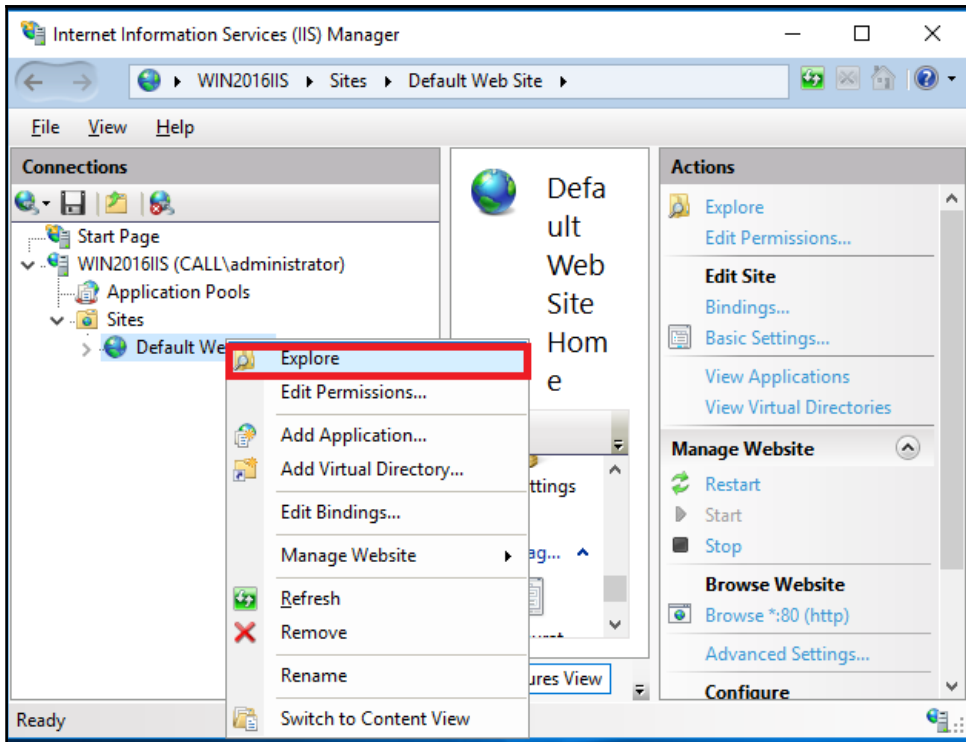
index - Notepad

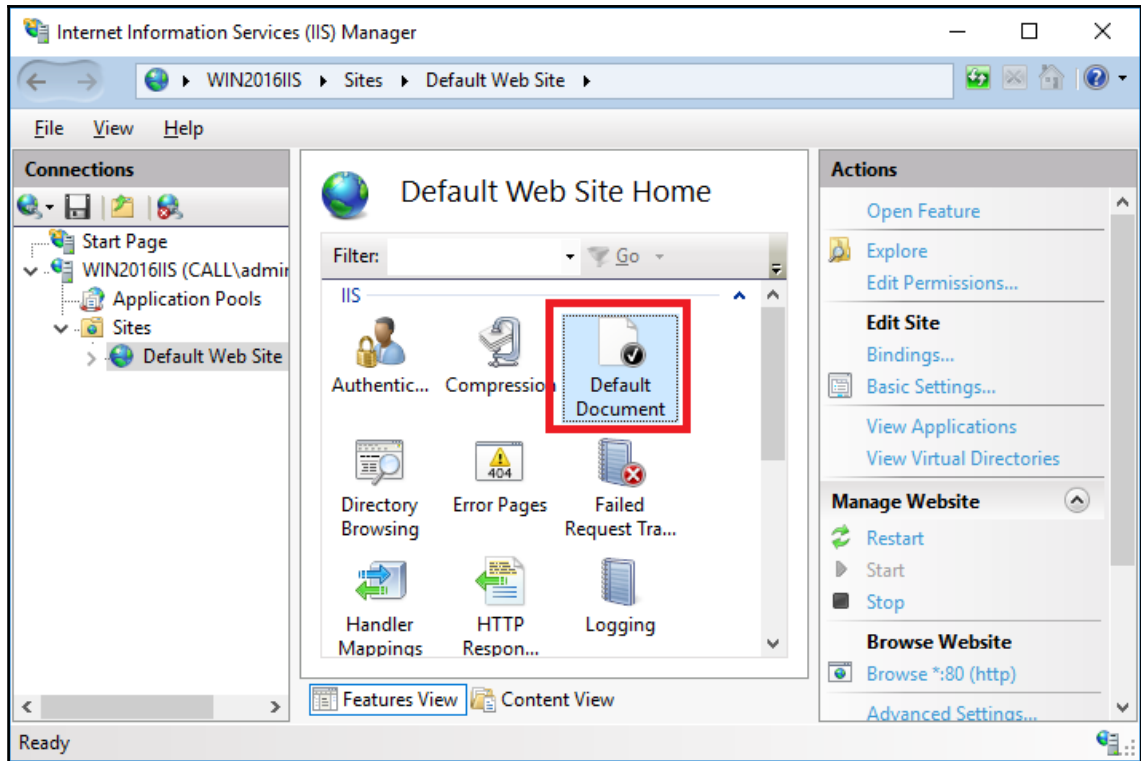
File Edit Format View Help

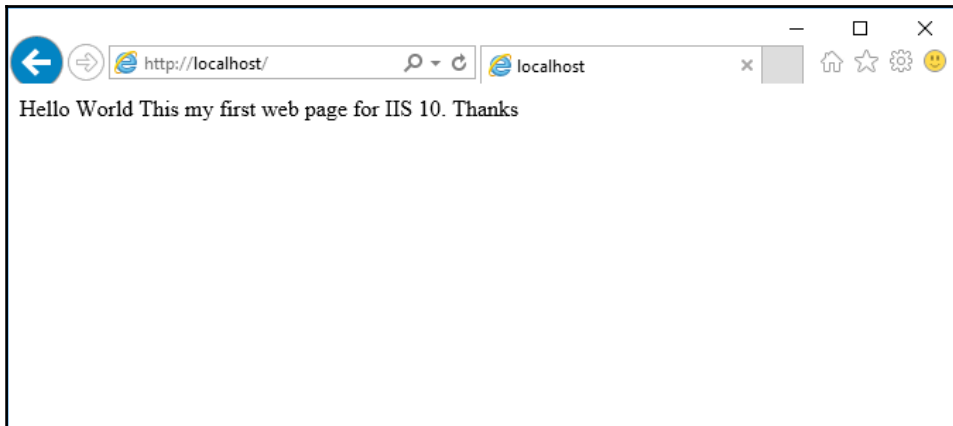
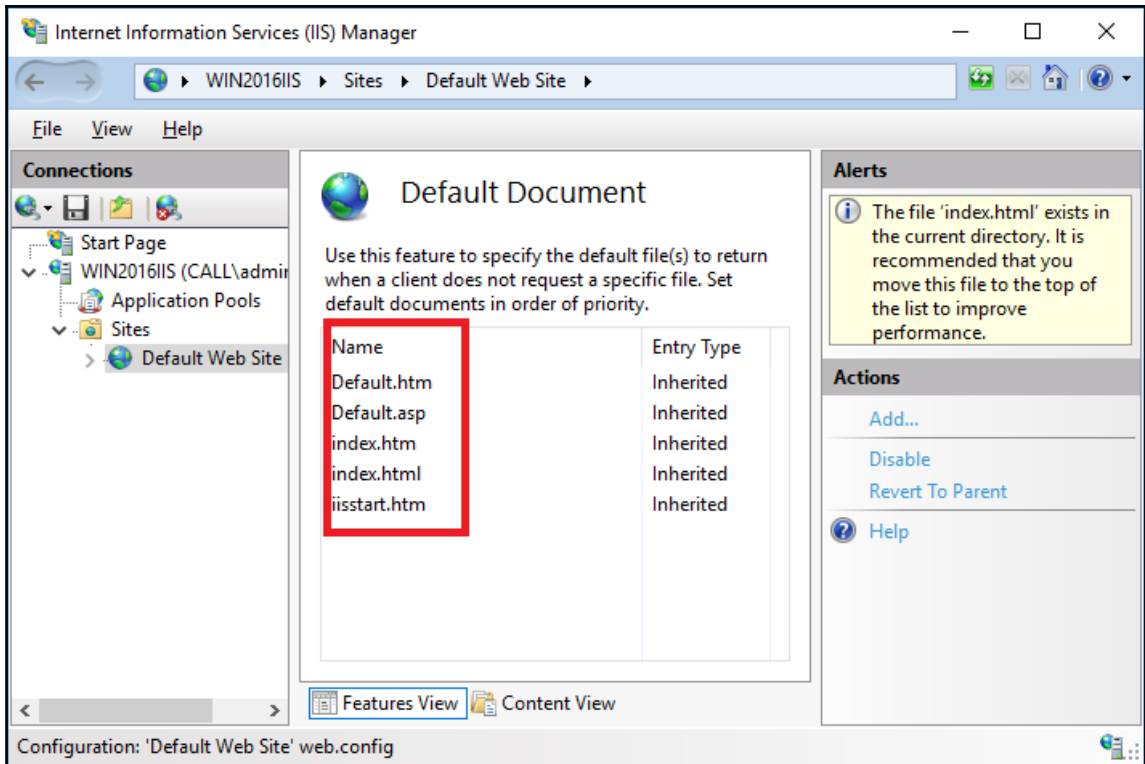
```
Hello World

This my first web page for IIS 10.

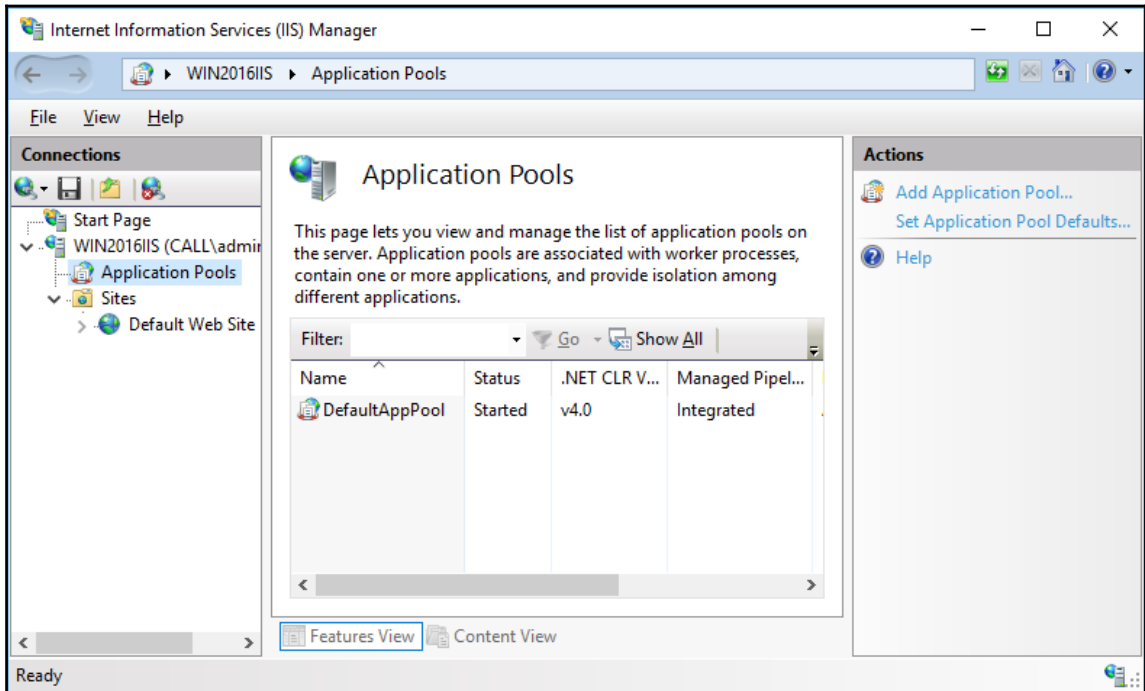
Thanks
```







Chapter 2: Creating an Application Pool in IIS 10.0



Internet Information Services (IIS) Manager

WIN2016IIS > Application Pools

File View Help

Connections

- Start Page
- WIN2016IIS (CALL\admini
 - Application Pools
 - Sites
 - Default Web Site

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

Name	Status	.NET CLR V...	Managed Pipel...
DefaultAppPool	Started	v4.0	Integrated

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

Server Manager

Server Manager Dashboard

Manage Tools View Help

Dashboard

- Local Server
- All Servers
- File and Storage Services
- IIS

WELCOME TO SERVER MANAGER

1 Configure this local server

2 Add roles and features

3 Add other servers to manage

4 Create a server group

5 Connect this server to cloud services

QUICK START

WHAT'S NEW

LEARN MORE

Hide

ROLES AND SERVER GROUPS

Roles: 2 | Server groups: 1 | Servers total: 1

Role	Count
File and Storage Services	1
IIS	1

File and Storage Services

- Manageability
- Events
- Performance
- BPA results

IIS

- Manageability
- Events
- Services
- Performance
- BPA results

Add Roles and Features Wizard [Window Title Bar]

Select features

DESTINATION SERVER
WIN2016IIS.Call.com

Before You Begin
Installation Type
Server Selection
Server Roles
Features
Confirmation
Results

Select one or more features to install on the selected server.

Features	Description
<input checked="" type="checkbox"/> .NET Framework 3.5 Features	Description .NET Framework 3.5 combines the power of the .NET Framework 2.0 APIs with new technologies for building applications that offer appealing user interfaces, protect your customers' personal identity information, enable seamless and secure communication, and provide the ability to model a range of business processes.
<input checked="" type="checkbox"/> .NET Framework 3.5 (includes .NET 2.0 and 3.0)	
<input type="checkbox"/> HTTP Activation	
<input type="checkbox"/> Non-HTTP Activation	
<input checked="" type="checkbox"/> .NET Framework 4.6 Features (3 of 7 installed)	
<input type="checkbox"/> Background Intelligent Transfer Service (BITS)	
<input type="checkbox"/> BitLocker Drive Encryption	
<input type="checkbox"/> BitLocker Network Unlock	
<input type="checkbox"/> BranchCache	
<input type="checkbox"/> Client for NFS	
<input type="checkbox"/> Containers	
<input type="checkbox"/> Data Center Bridging	
<input type="checkbox"/> Direct Play	
<input type="checkbox"/> Enhanced Storage	
<input type="checkbox"/> Failover Clustering	
<input type="checkbox"/> Group Policy Management	
<input type="checkbox"/> Host Guardian Hyper-V Support	
<input type="checkbox"/> I/O Quality of Service	
<input type="checkbox"/> IIS Hostable Web Core	

< Previous **Next >** Install Cancel

Specify Alternate Source Path

Some servers might not have all source files available to add all roles, role services, or features. The source files might not have been installed, or might have been removed by users after the operating system was installed.

If the server on which you want to install roles or features does not have all required source files, the server can try to get files by using Windows Update, or from a location that is specified by Group Policy.

You can also specify an alternate path for the source files, if the destination server does not have them. The source path or file share must grant Read permissions either to the Everyone group (not recommended for security reasons), or to the computer (local system) account of the destination server; granting user account access is not sufficient.

The following are examples of a valid source file path where the destination server is the local server, and where the E: drive contains the Windows Server installation media.

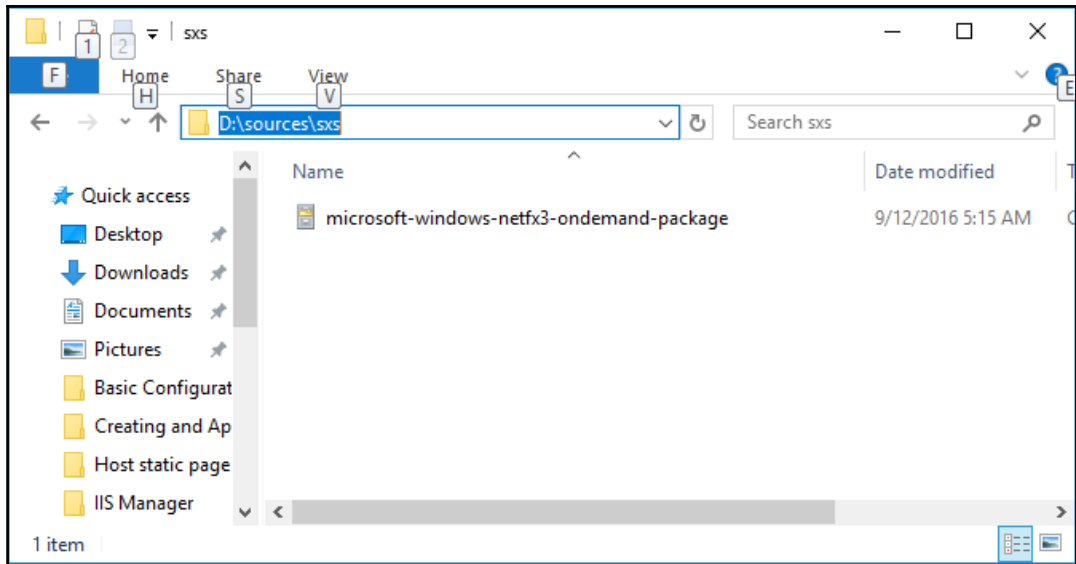
Source files for .NET Framework 3.5 Features are not installed as part of a typical installation, but are available in the side-by-side store (SxS) folder:

E:\Sources\SxS\

Source files for other features are available in the Install.wim file. Add the WIM: prefix to the path, and a suffix to indicate the index of the image from which to get source files. In the following example, the index is 4:

WIM:E:\Sources\Install.wim:4

Path:



Installation progress

DESTINATION SERVER
WIN2016IIS.Call.com

- Before You Begin
- Installation Type
- Server Selection
- Server Roles
- Features
- Confirmation
- Results**

View installation progress

Feature installation

Installation succeeded on WIN2016IIS.Call.com.

.NET Framework 3.5 Features
.NET Framework 3.5 (includes .NET 2.0 and 3.0)



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

Select features

- Before You Begin
- Installation Type
- Server Selection
- Server Roles
- Features**
- Confirmation
- Results

Select one or more features to install on the selected server.

Features

- .NET Framework 3.5 Features (1 of 3 installed)
 - .NET Framework 3.5 (includes .NET 2.0 and 3.0)
 - HTTP Activation
 - Non-HTTP Activation
- .NET Framework 4.6 Features (3 of 7 installed)
 - Background Intelligent Transfer Service (BITS)
 - BitLocker Drive Encryption
 - BitLocker Network Unlock
 - BranchCache
 - Client for NFS
 - Containers
 - Data Center Bridging
 - Direct Play
 - Enhanced Storage
 - Failover Clustering
 - Group Policy Management
 - Host Guardian Hyper-V Support
 - I/O Quality of Service
 - IIS Hostable Web Core

Description

.NET Framework 3.5 combines the power of the .NET Framework 2.0 APIs with new technologies for building applications that offer appealing user interfaces, protect your customers' personal identity information, enable seamless and secure communication, and provide the ability to model a range of business processes.

< Previous

Next >

Install

Cancel

Internet Information Services (IIS) Manager

WIN2016IIS > Application Pools

File View Help

Connections

- Start Page
- WIN2016IIS (CALL\admini
 - Application Pools
 - Sites
 - Default Web Site

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

Name	Status	.NET CLR V...	Managed Pipel...
DefaultAppPool	Started	v4.0	Integrated

Features View Content View

Ready

Actions

- Add Application Pool...
- Set Application Pool Defaults...
- Help

Add Application Pool

Name:

.NET CLR version: .NET CLR Version v4.0.30319

Managed pipeline mode: Integrated

Start application pool immediately

OK Cancel

Add Application Pool ? X

Name:
2and3.5AppPool

.NET CLR version:
.NET CLR Version v4.0.30319
.NET CLR Version v4.0.30319
.NET CLR Version v2.0.50727
No Managed Code

Start application pool immediately

OK Cancel

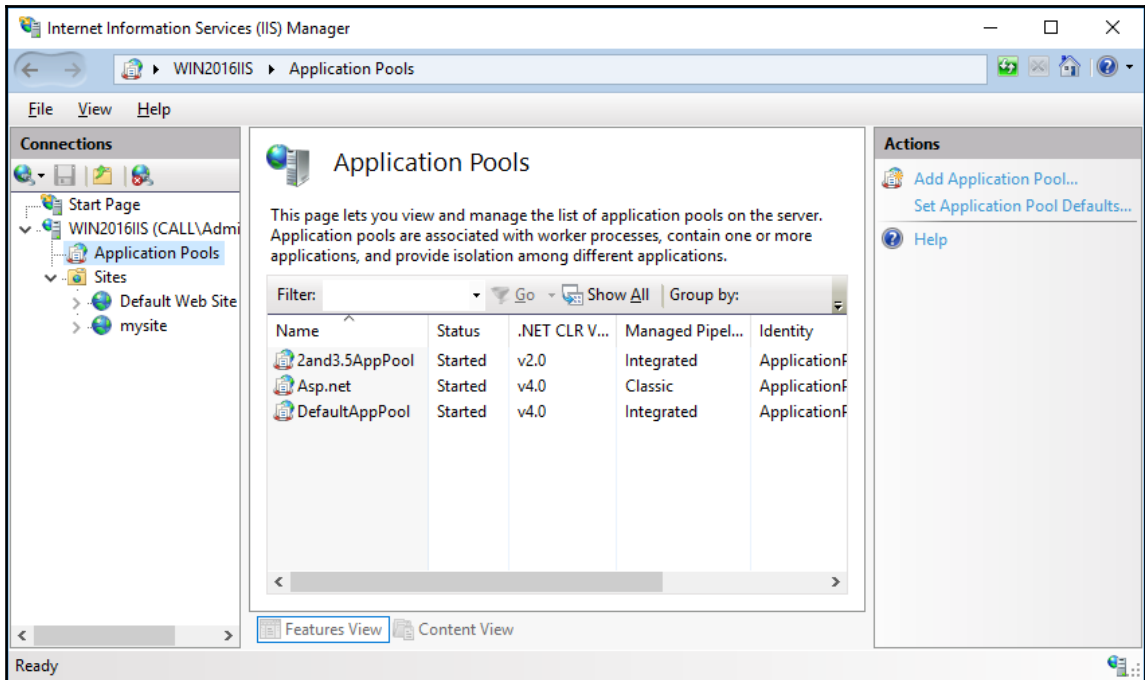
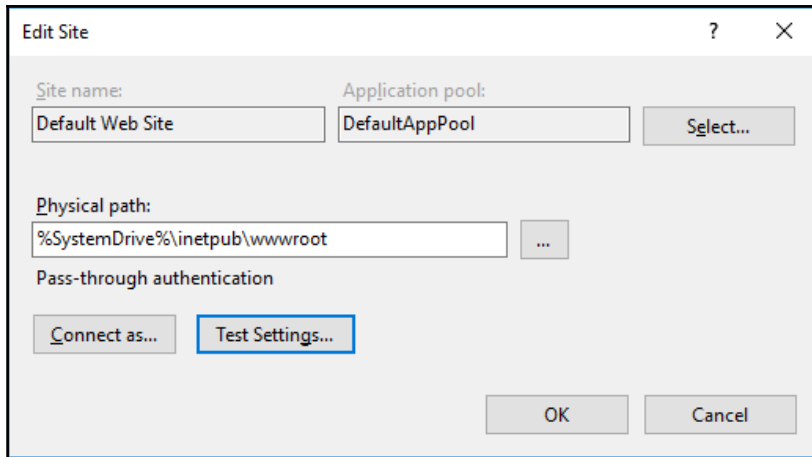
Add Application Pool ? X

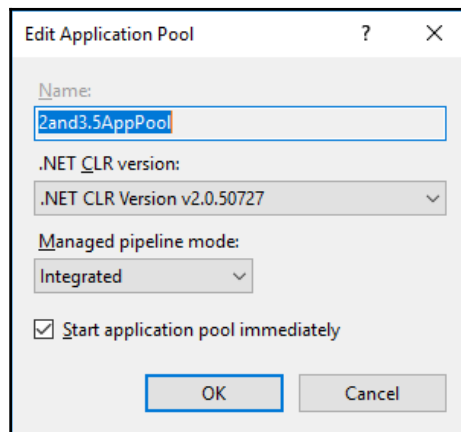
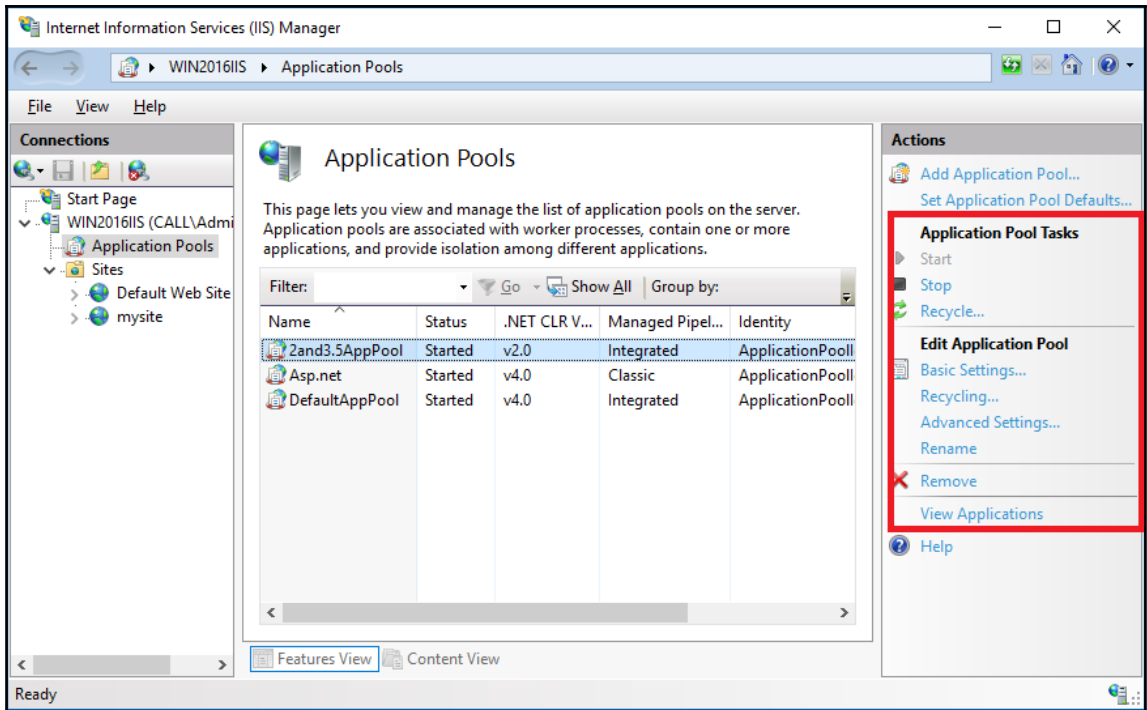
Name:
2and3.5AppPool

.NET CLR version:
.NET CLR Version v2.0.50727

Managed pipeline mode:
Integrated
Integrated
Classic immediately

OK Cancel





Advanced Settings

?

×

▼ (General)

.NET CLR Version	v2.0
Enable 32-Bit Applications	False
Managed Pipeline Mode	Integrated
Name	2and3.5AppPool
Queue Length	1000
Start Mode	OnDemand

▼ CPU

Limit (percent)	0
Limit Action	NoAction
Limit Interval (minutes)	5
Processor Affinity Enabled	False
Processor Affinity Mask	4294967295
Processor Affinity Mask (64-bit option)	4294967295

▼ Process Model

> Generate Process Model Event Log Entry

Identity	ApplicationPoolIdentity
Idle Time-out (minutes)	20
Idle Time-out Action	Terminate

▼ .NET CLR Version

[managedRuntimeVersion] Configures the application pool to load a specific .NET CLR version. The CLR version chosen should correspond to the appropriate version of the .NET Framework being used by your application. Selecting "No Managed Code" will cause all ASP.NET requests to fail.

OK

Cancel

Advanced Settings

Enabled	False
Executable	
Executable Parameters	
▼ Rapid-Fail Protection	
"Service Unavailable" Response Type	HttpLevel
Enabled	True
Failure Interval (minutes)	5
Maximum Failures	5
Shutdown Executable	
Shutdown Executable Parameters	
▼ Recycling	
Disable Overlapped Recycle	False
Disable Recycling for Configuration Changes	False
> Generate Recycle Event Log Entry	
Private Memory Limit (KB)	0
Regular Time Interval (minutes)	1740
Request Limit	0
> Specific Times	TimeSpan[] Array
Virtual Memory Limit (KB)	0

.NET CLR Version
 [managedRuntimeVersion] Configures the application pool to load a specific .NET CLR version. The CLR version chosen should correspond to the appropriate version of the .NET Framework being used by your application. Selecting "No Managed Code" will cause all ASP.NET requests to fail.

OK Cancel



Recycling Conditions

Fixed Intervals

Regular time intervals (in minutes):

1740

Fixed number of requests:

Specific time(s):

Example: 8:00 PM, 12:00 AM

Memory Based Maximums

Virtual memory usage (in KB):

Private memory usage (in KB):

Previous

Next

Finish

Cancel



Recycling Events to Log

Event log entries can be generated when an application pool is recycled. Select the recycling events to log.

Configurable recycling events:

- Regular time intervals
- Virtual memory usage
- Number of requests
- Scheduled time(s)
- Private memory usage

Runtime recycling events:

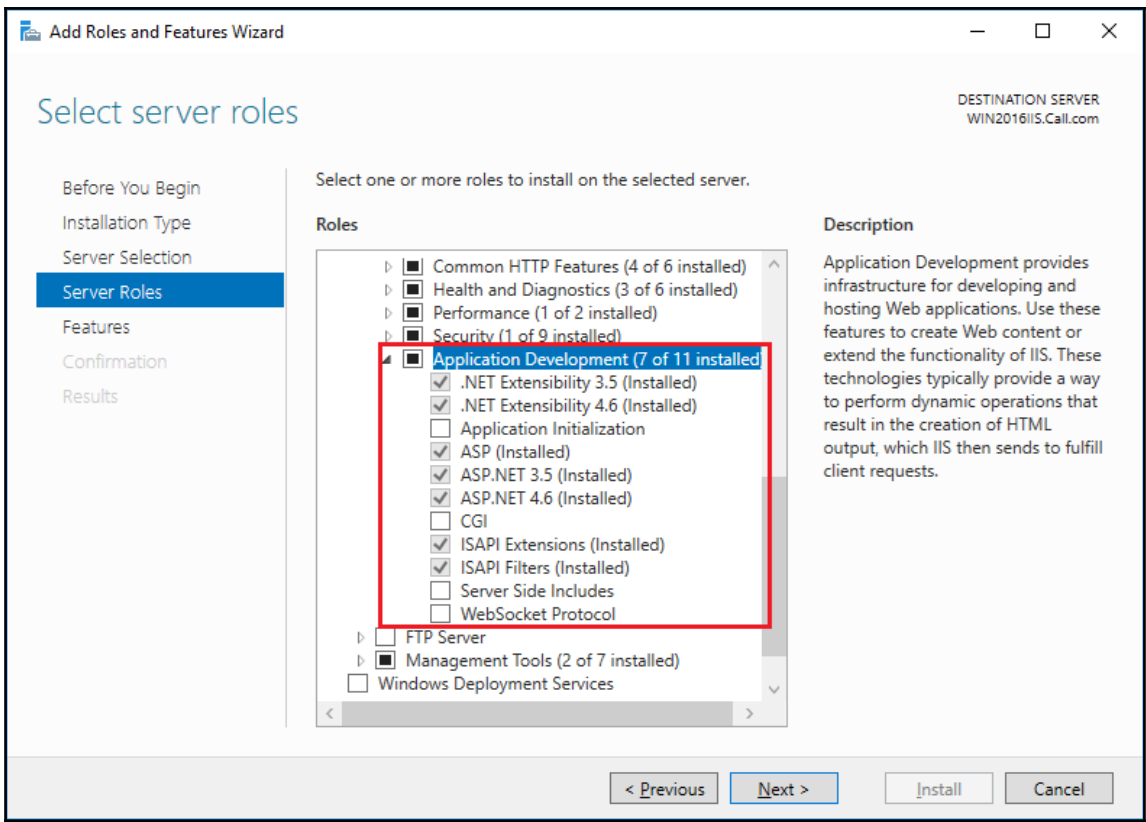
- On-demand
- Configuration changes
- Unhealthy ISAPI

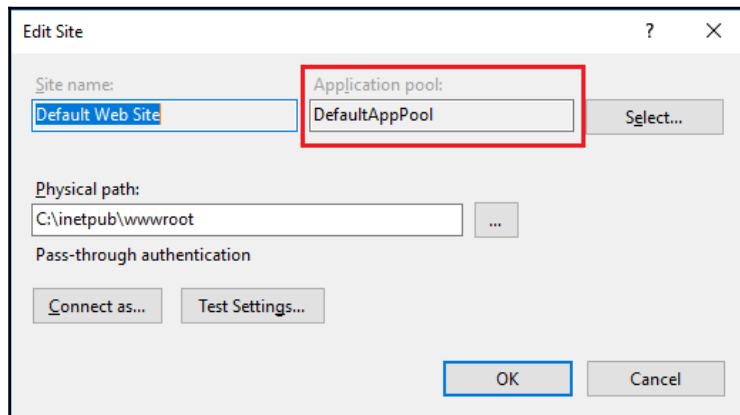
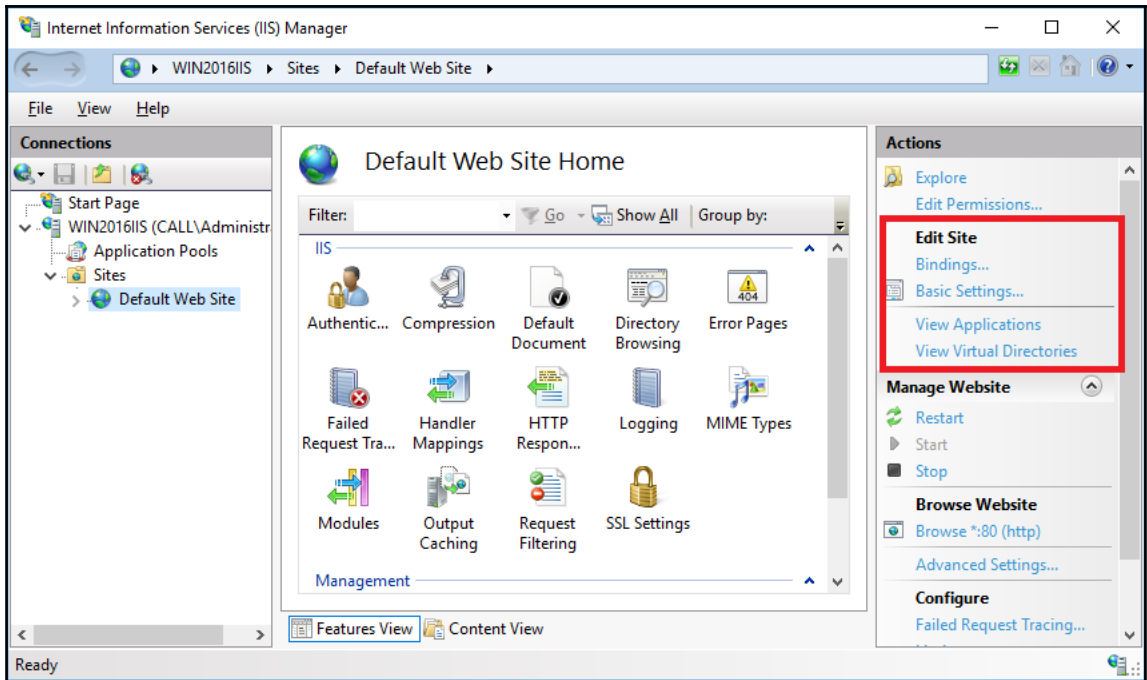
Previous

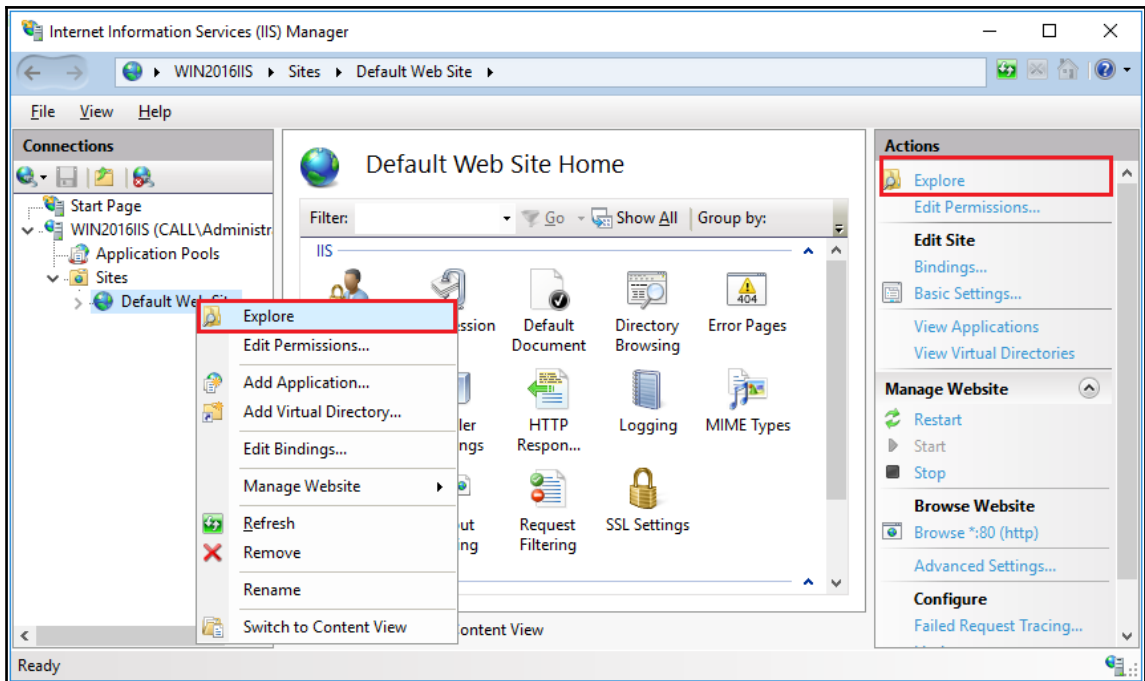
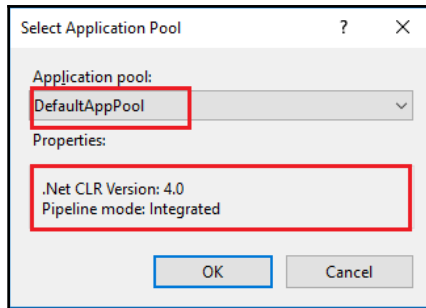
Next

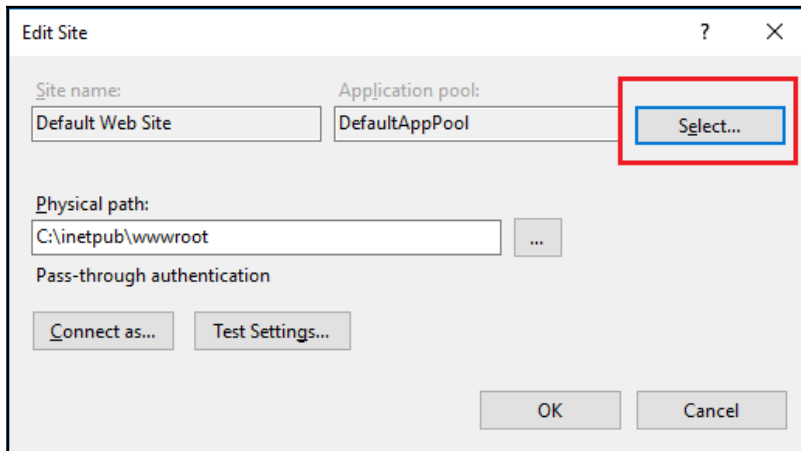
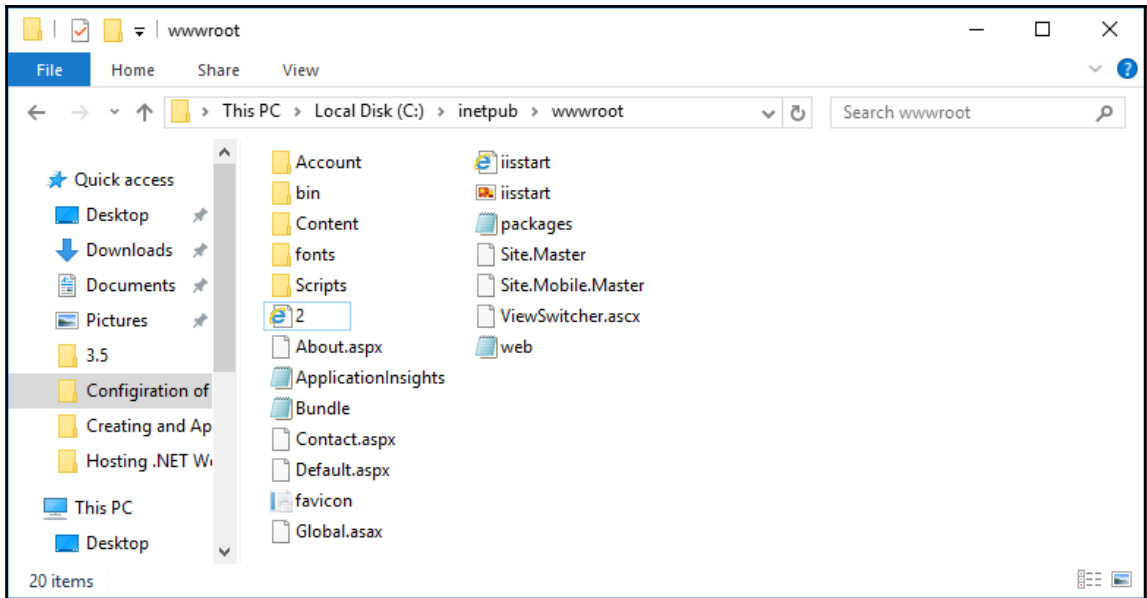
Finish

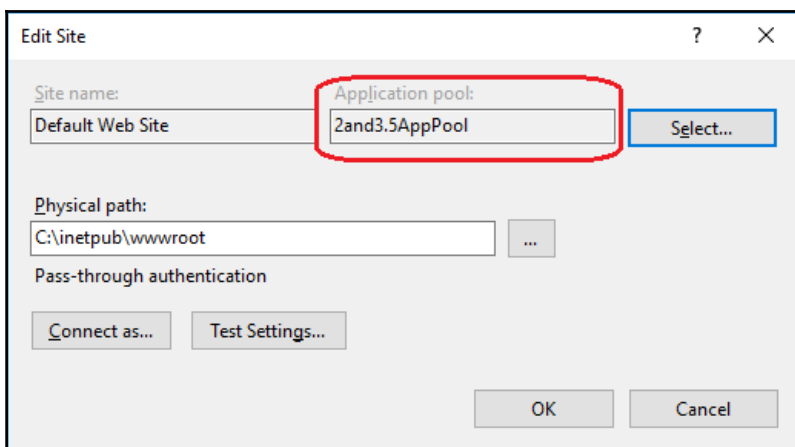
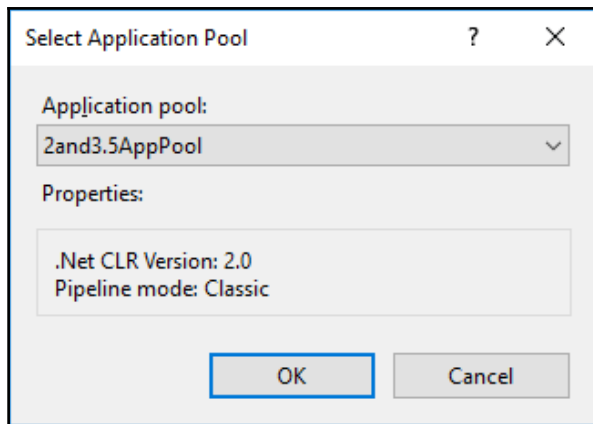
Cancel

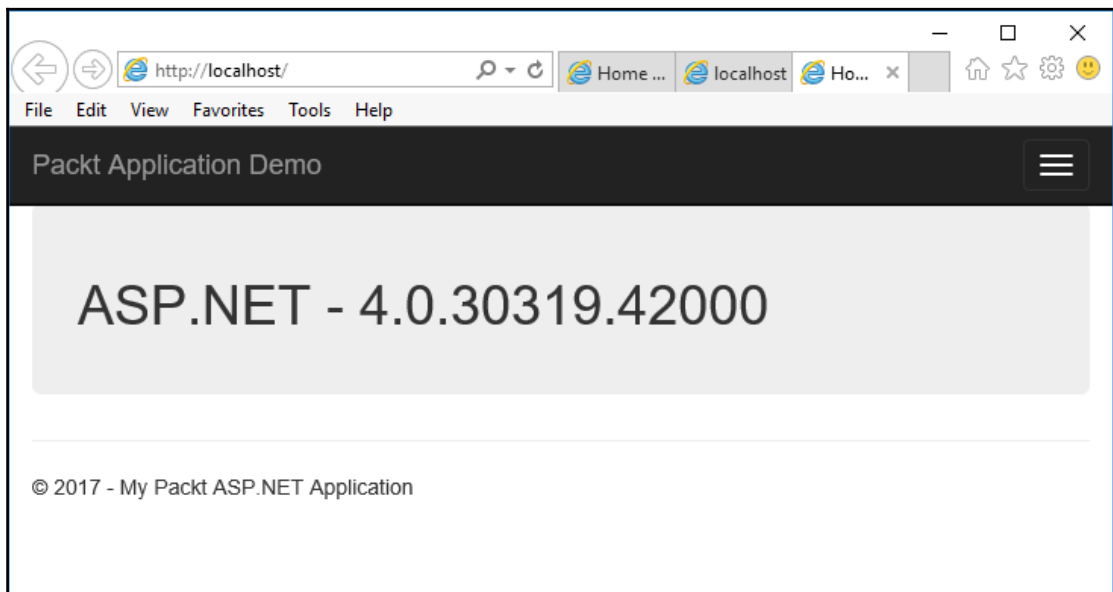
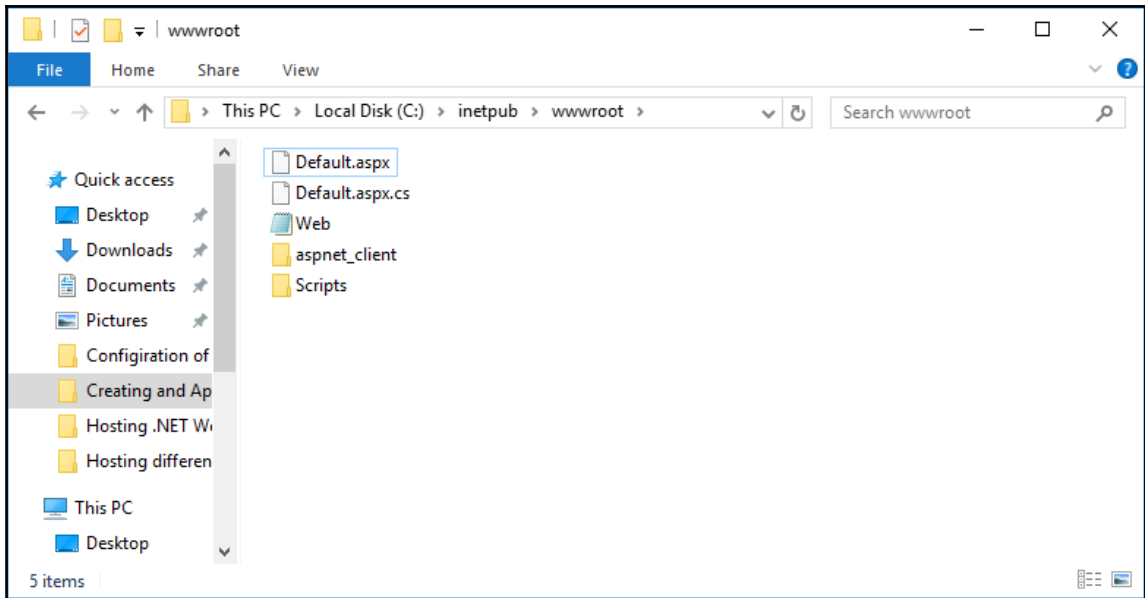


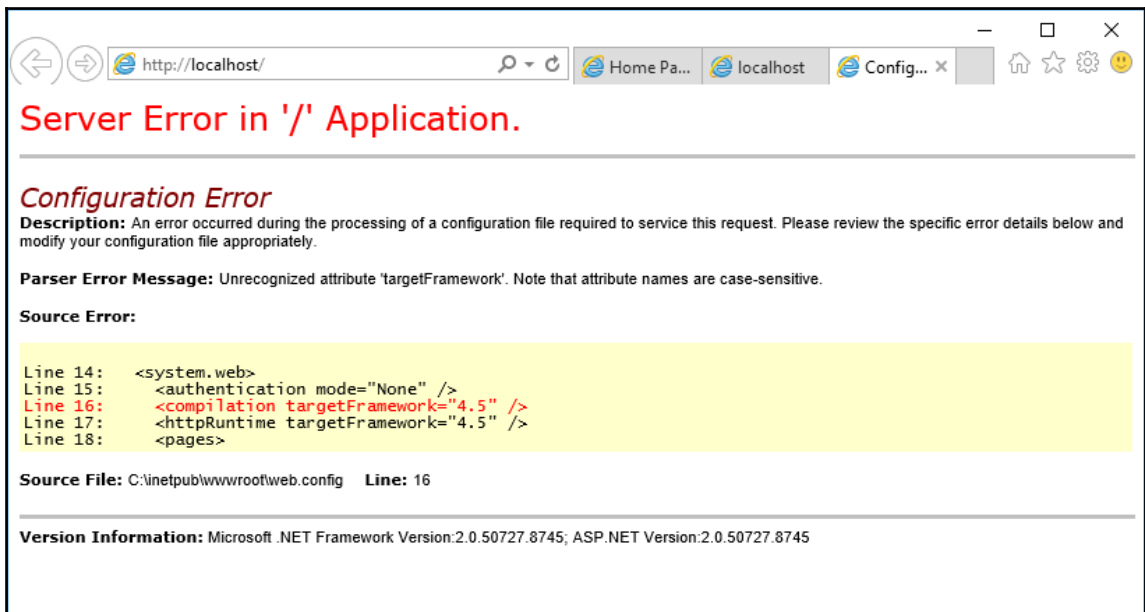
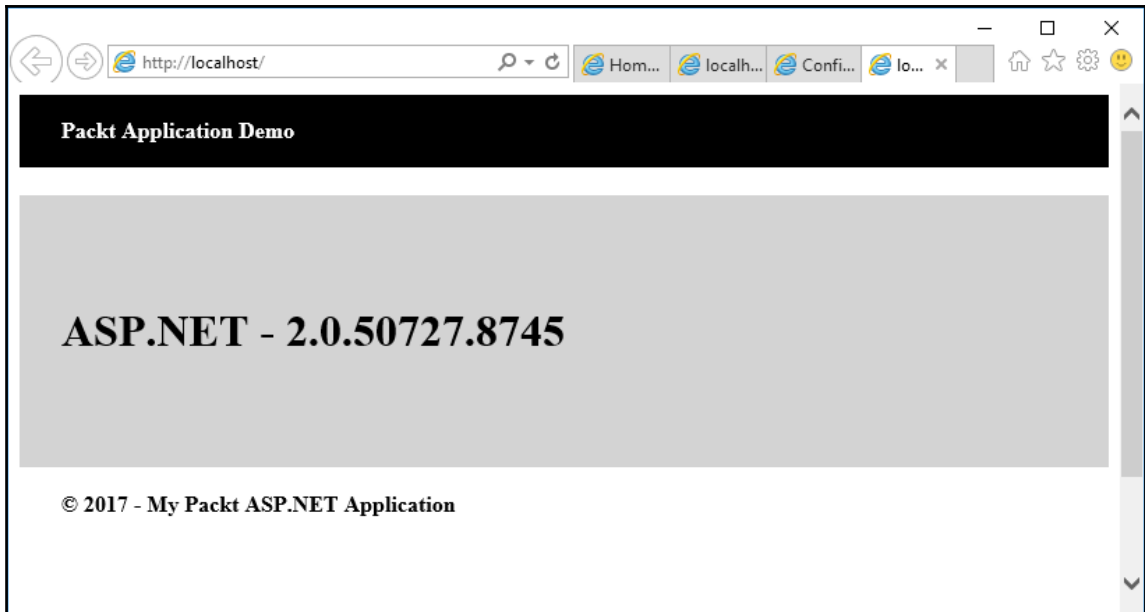




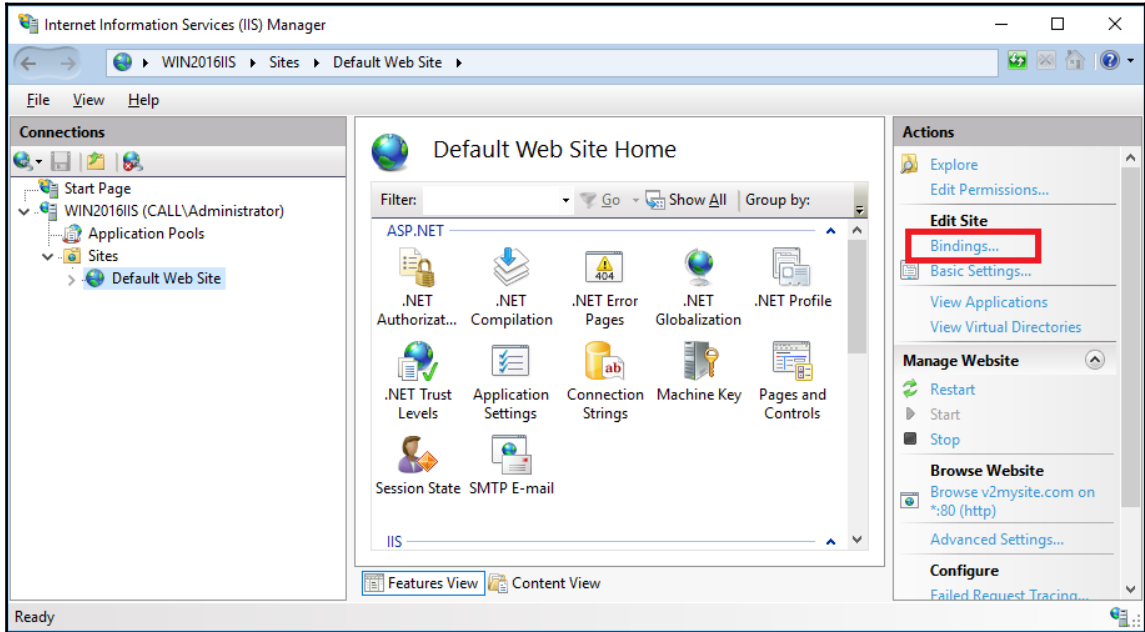


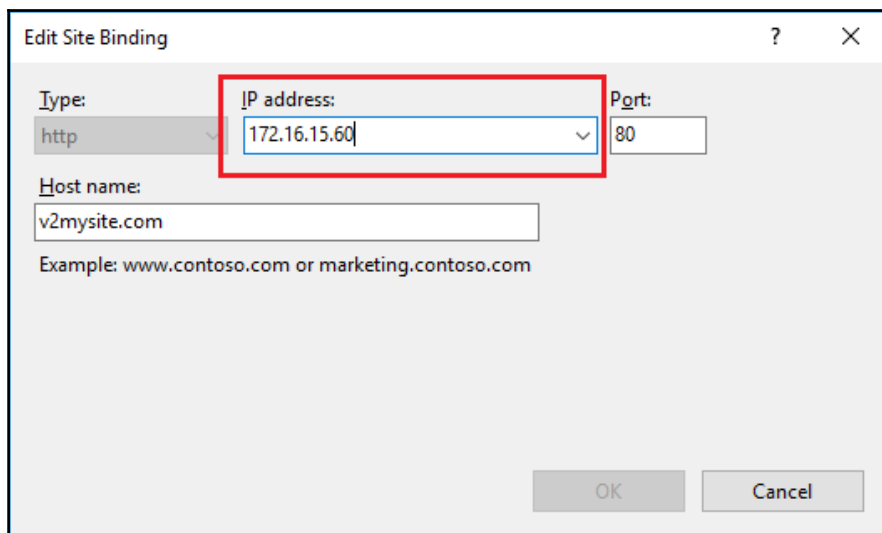
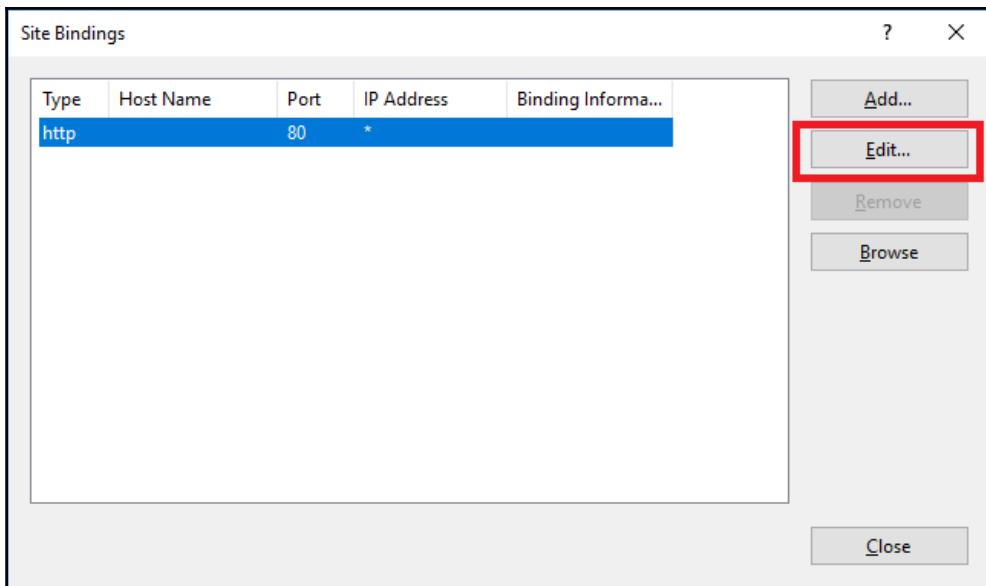






Chapter 3: Hosting Multiple Websites on IIS 10.0





Add Website ? X

Site name: Application pool:

Content Directory

Physical path:

Pass-through authentication

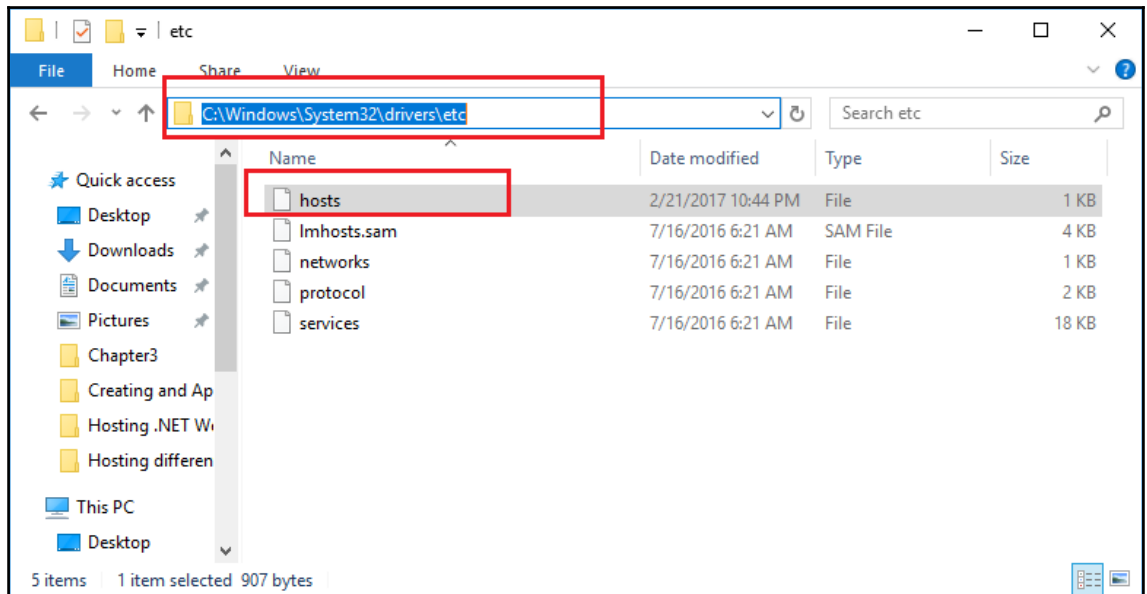
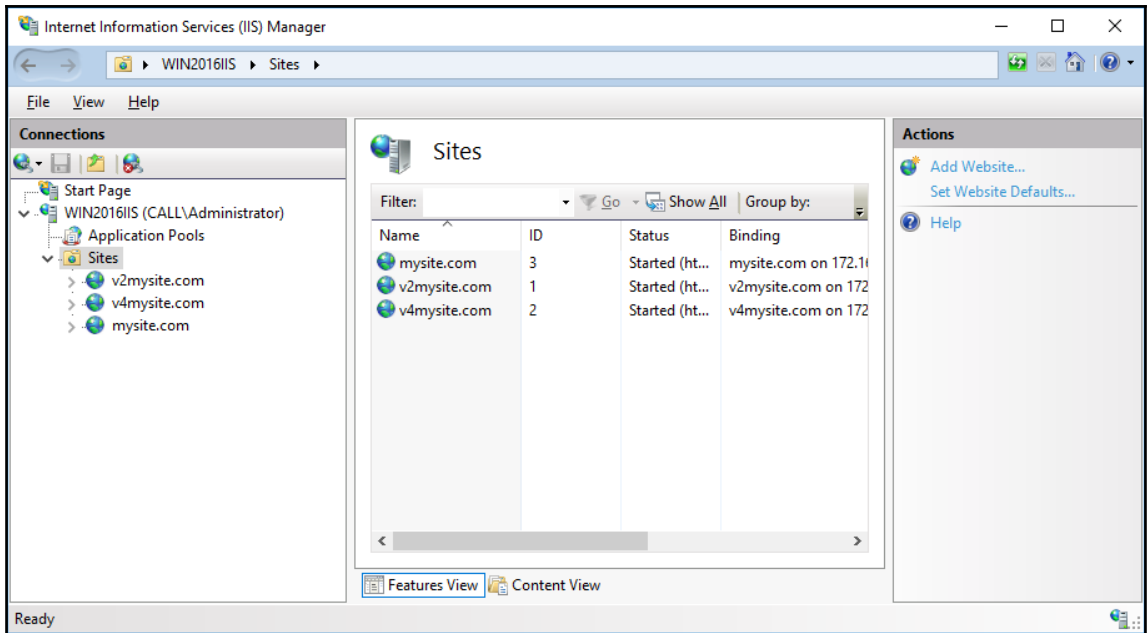
Binding

<u>T</u> ype:	<u>I</u> P address:	<u>P</u> ort:
<input type="text" value="http"/> ▼	<input type="text" value="172.16.15.60"/> ▼	<input type="text" value="80"/>

Host name:

Example: www.contoso.com or marketing.contoso.com

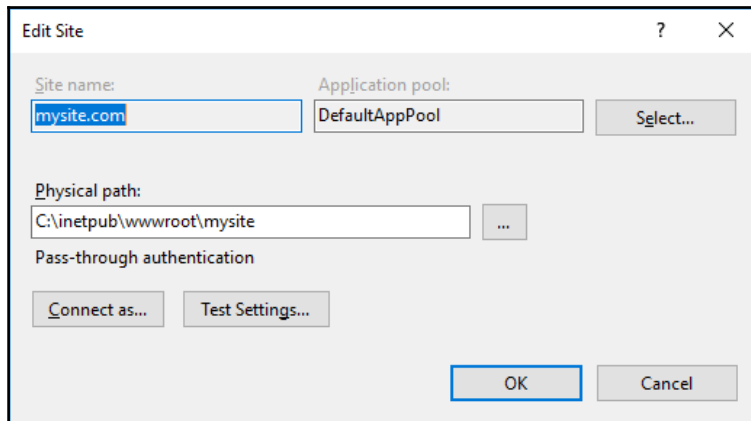
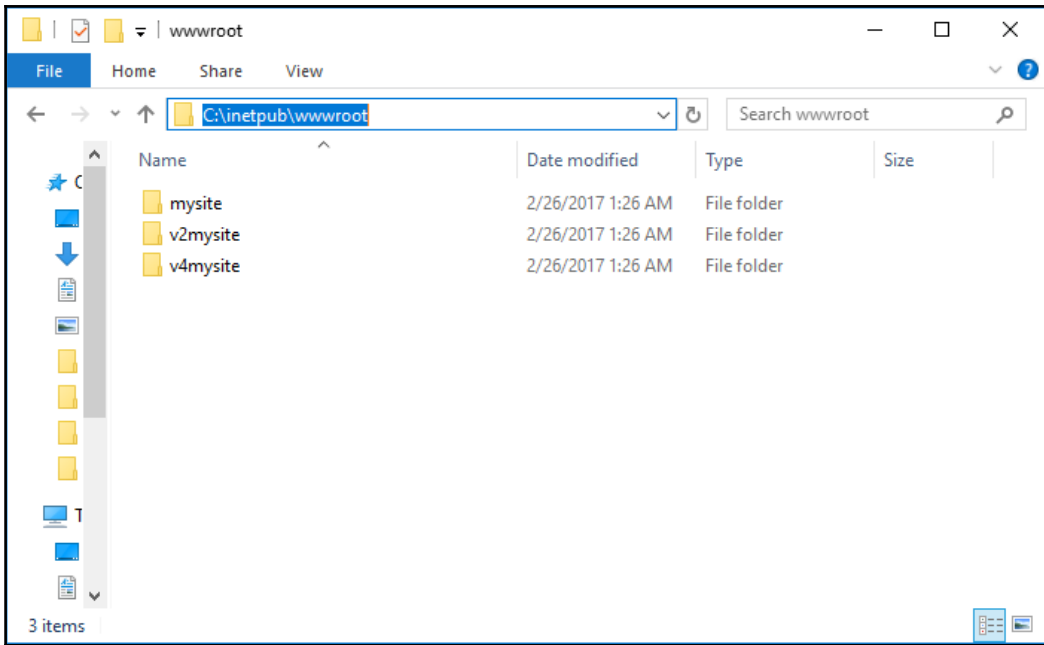
Start Website immmediately



```
hosts - Notepad
File Edit Format View Help
# Copyright (c) 1993-2009 Microsoft Corp.
#
# This is a sample HOSTS file used by Microsoft TCP/IP for Windows.
#
# This file contains the mappings of IP addresses to host names. Each
# entry should be kept on an individual line. The IP address should
# be placed in the first column followed by the corresponding host name.
# The IP address and the host name should be separated by at least one
# space.
#
# Additionally, comments (such as these) may be inserted on individual
# lines or following the machine name denoted by a '#' symbol.
#
# For example:
#
#       102.54.94.97    rhino.acme.com        # source server
#       38.25.63.10   x.acme.com           # x client host

# localhost name resolution is handled within DNS itself.
#       127.0.0.1     localhost
#       ::1           localhost

172.16.15.60  mysite.com|
172.16.15.60  v2mysite.com
172.16.15.60  v4mysite.com
```



Edit Site ? X

Site name: v2mysite.com Application pool: 2and3.5AppPool Select...

Physical path: C:\inetpub\wwwroot\v2mysite ...

Pass-through authentication

Connect as... Test Settings...

OK Cancel

Edit Site ? X

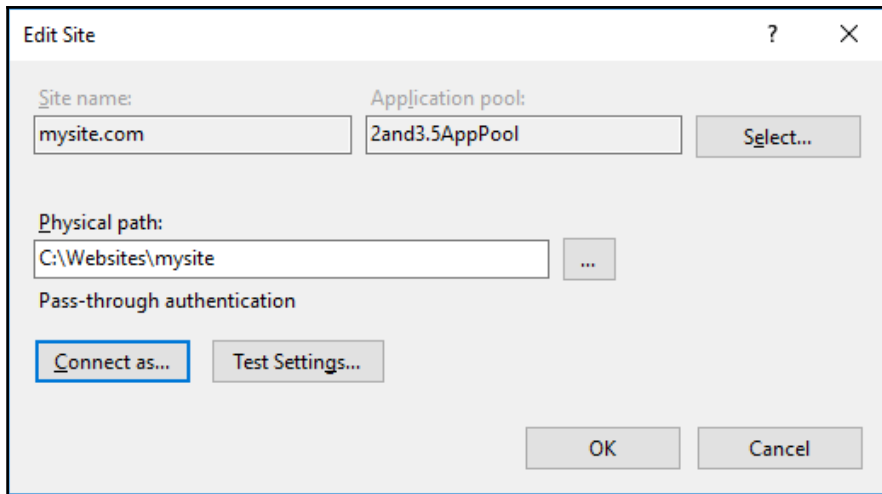
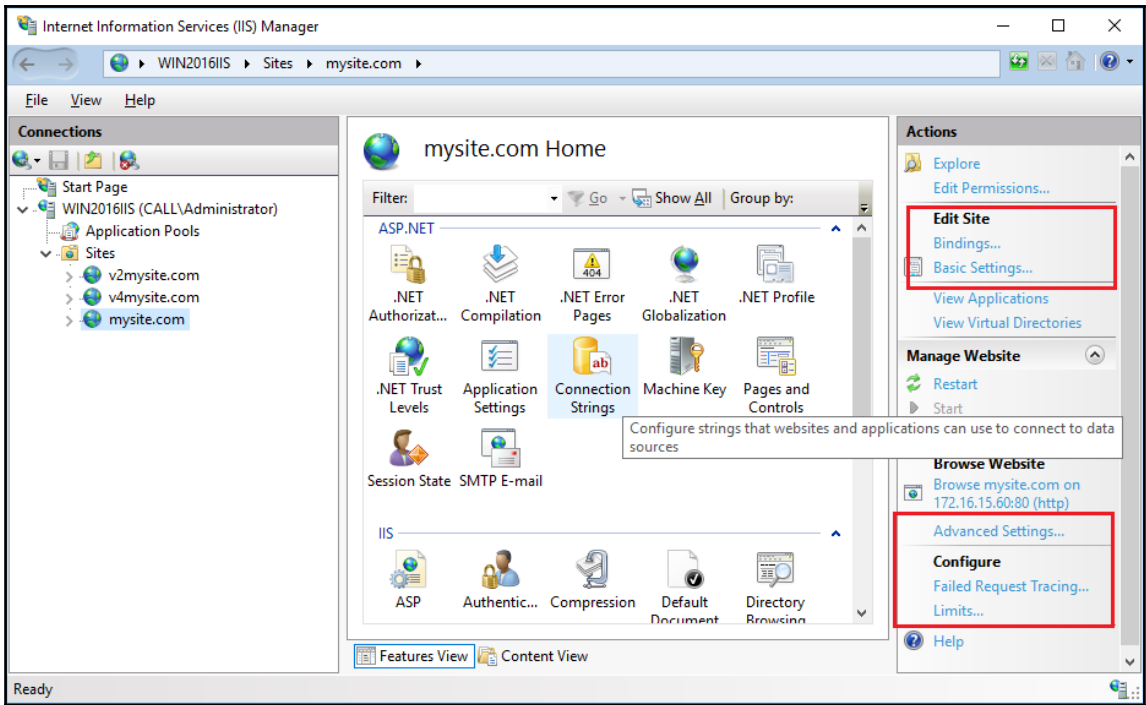
Site name: v4mysite.com Application pool: DefaultAppPool Select...

Physical path: C:\inetpub\wwwroot\v4mysite ...

Pass-through authentication

Connect as... Test Settings...

OK Cancel



Advanced Settings ? X

▼ **(General)**

Application Pool	2and3.5AppPool
Bindings	http:172.16.15.60:80:mysite.com
ID	3
Name	mysite.com
Physical Path	C:\Websites\mysite
Physical Path Credentials	
Physical Path Credentials Logon Type	ClearText
Preload Enabled	False

▼ **Behavior**

Enabled Protocols	http
-------------------	------

▼ **Failed Request Tracing**

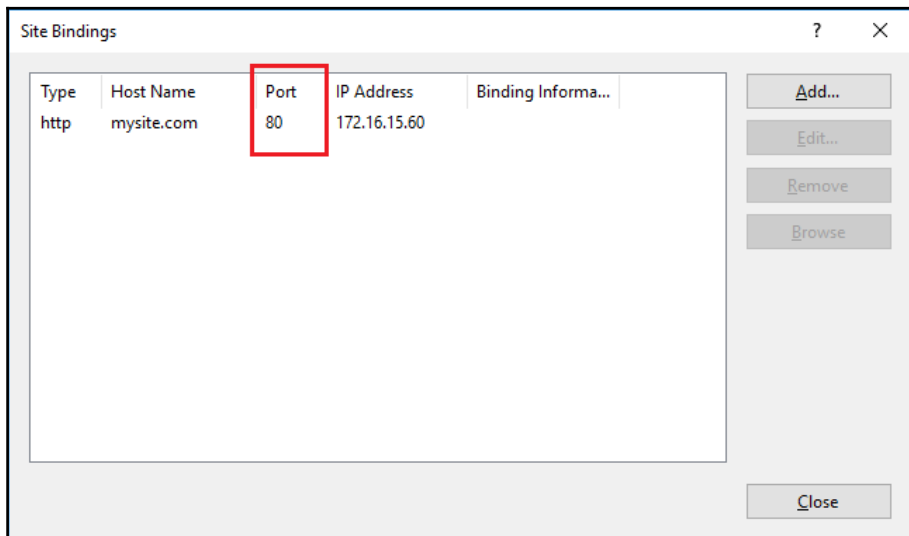
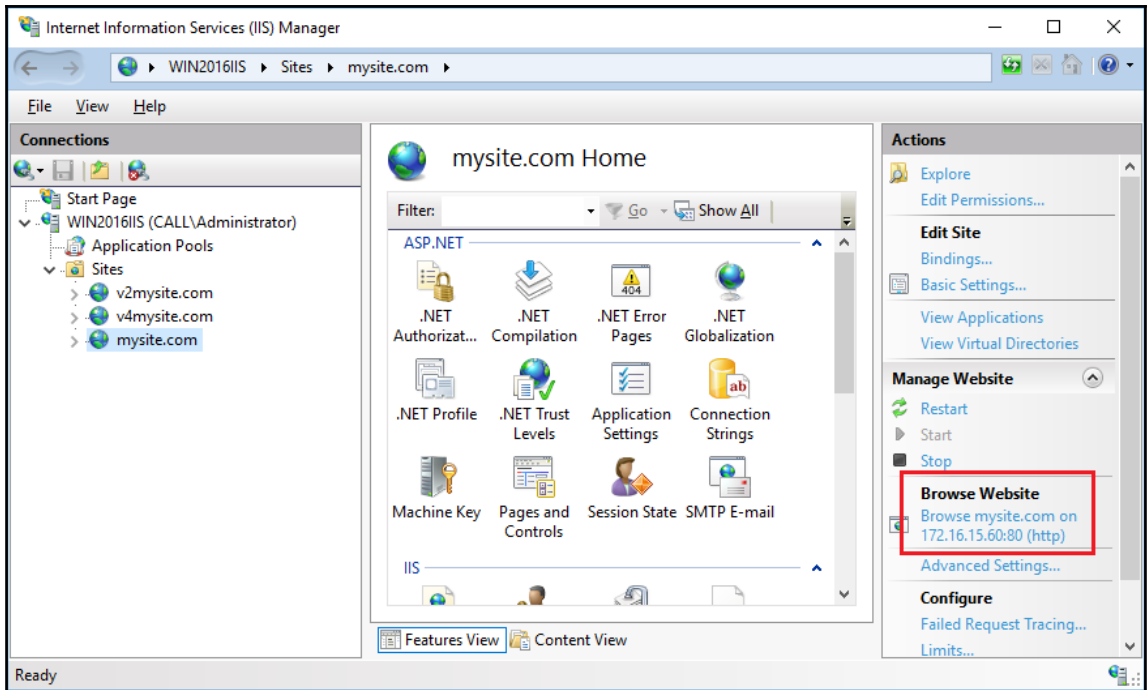
Directory	%SystemDrive%\inetpub\logs\FailedReqLogFiles
Enabled	False
Maximum Number of Trace Files	50

▼ **Limits**

Connection Time-out (seconds)	120
Maximum Bandwidth (Bytes/second)	4294967295
Maximum Concurrent Connections	4294967295
Maximum Url Segments	32

Limits
[[limits] Properties that control TCP/IP connections and bandwidth.

OK Cancel



Edit Site Binding

Type: http | IP address: 172.16.15.60 | Port: 8080

Host name: mysite.com

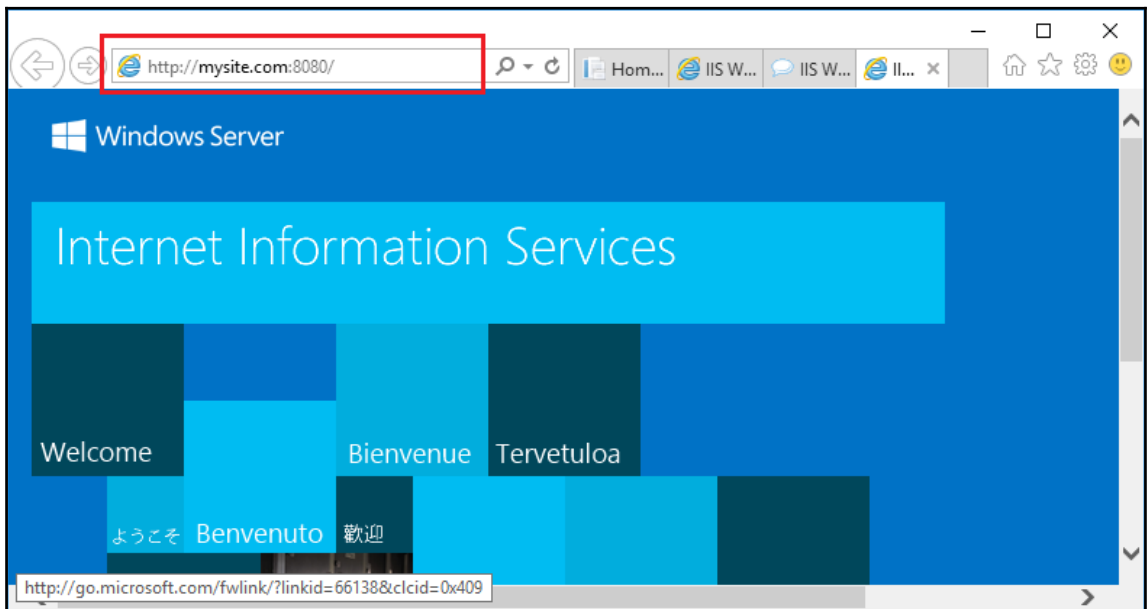
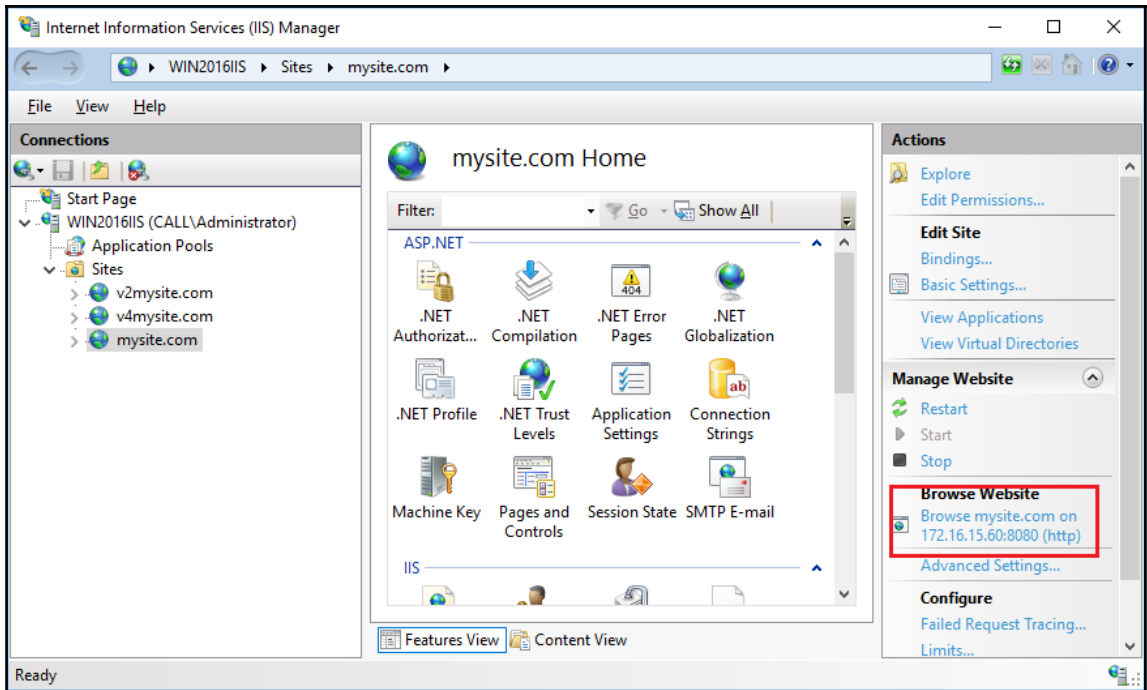
Example: www.contoso.com or marketing.contoso.com

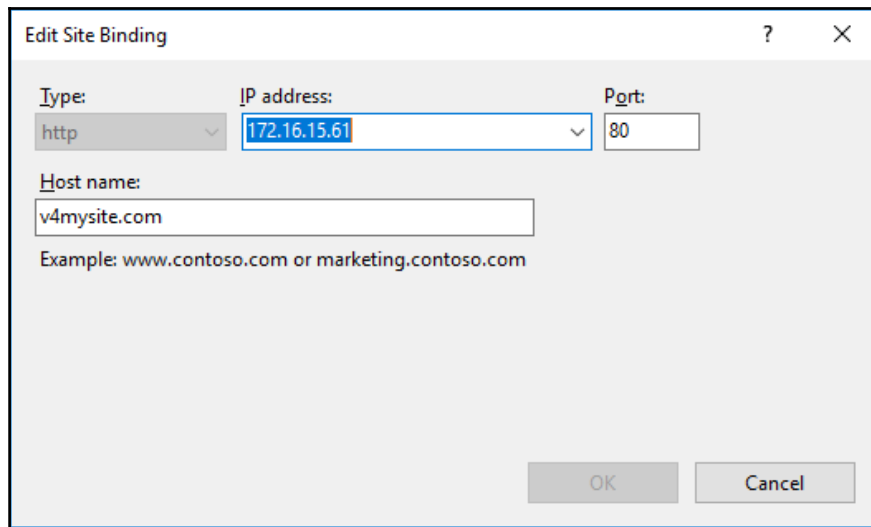
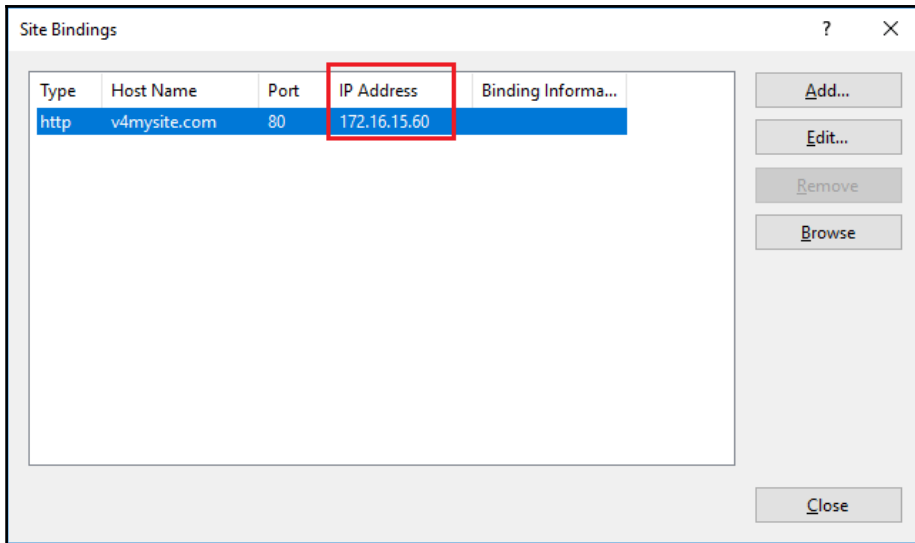
OK Cancel

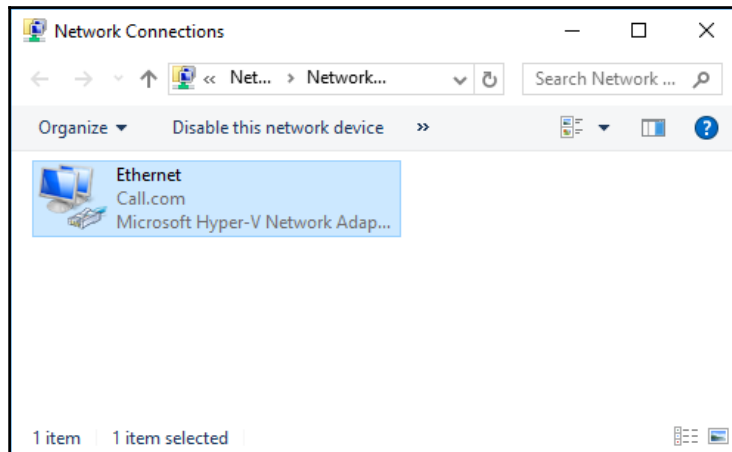
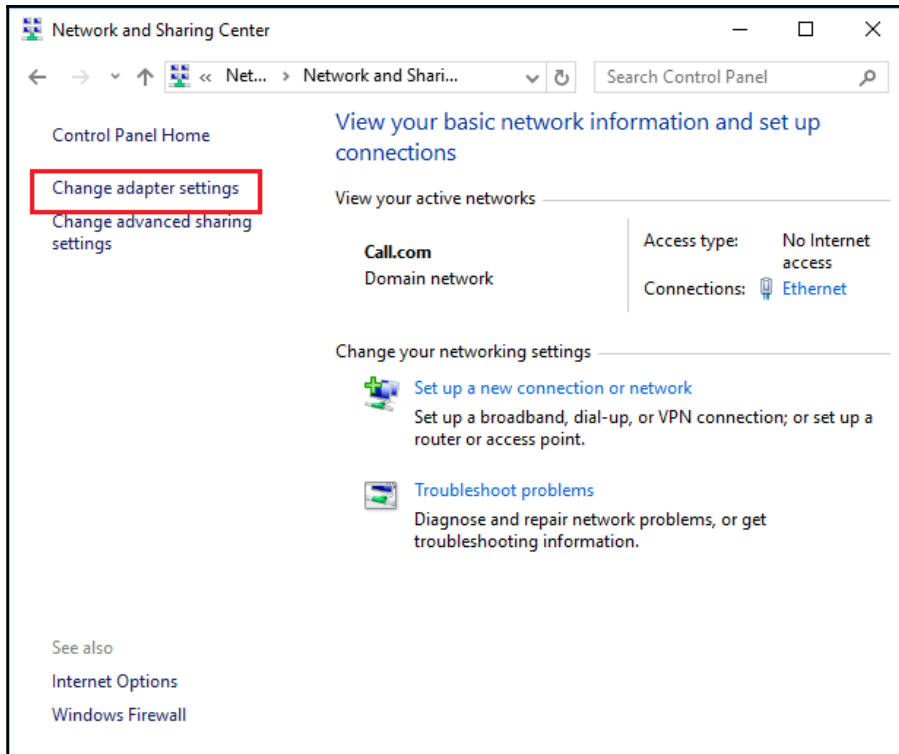
Site Bindings

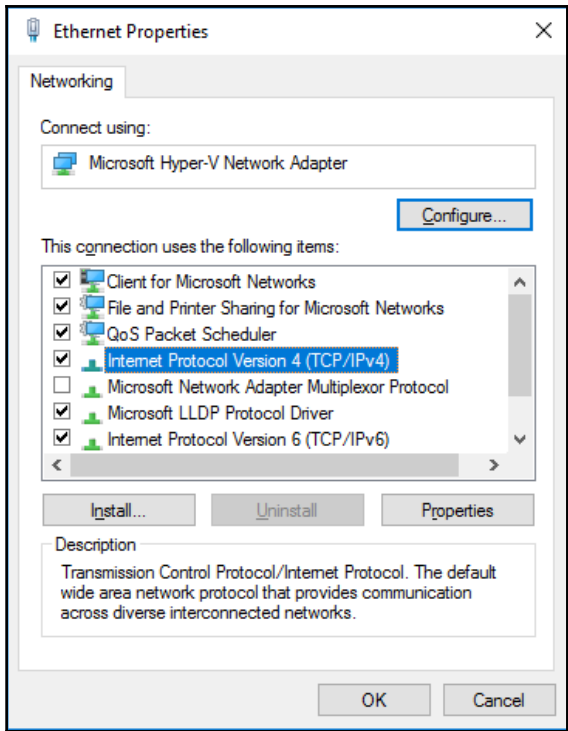
Type	Host Name	Port	IP Address	Binding Informa...
http	mysite.com	8080	172.16.15.60	

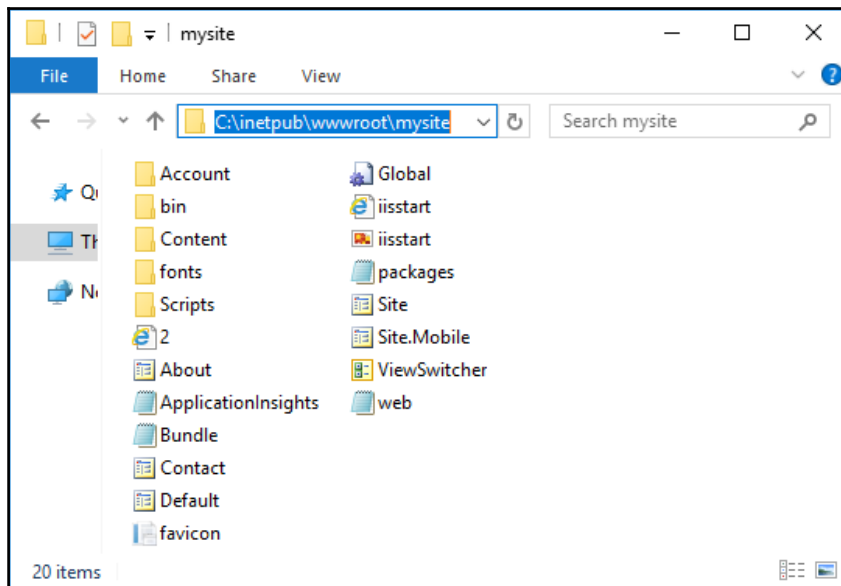
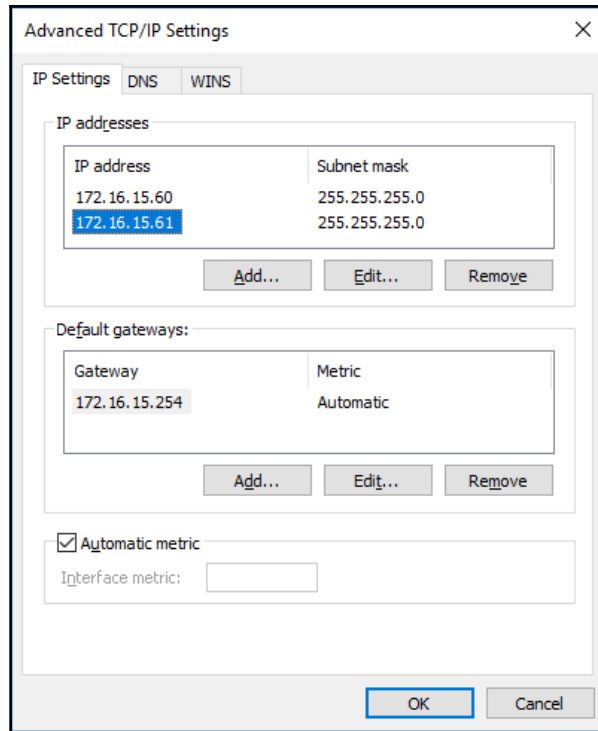
Add... Edit... Remove Browse Close

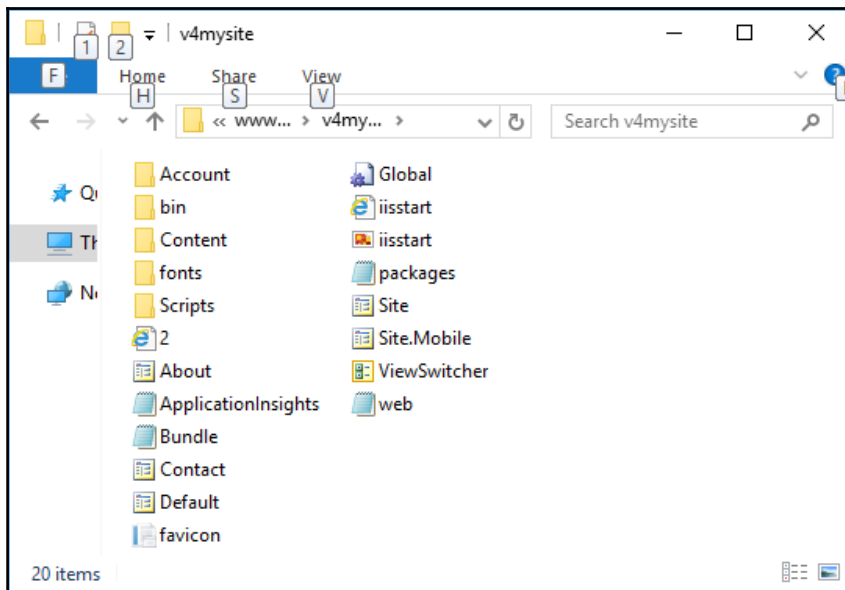
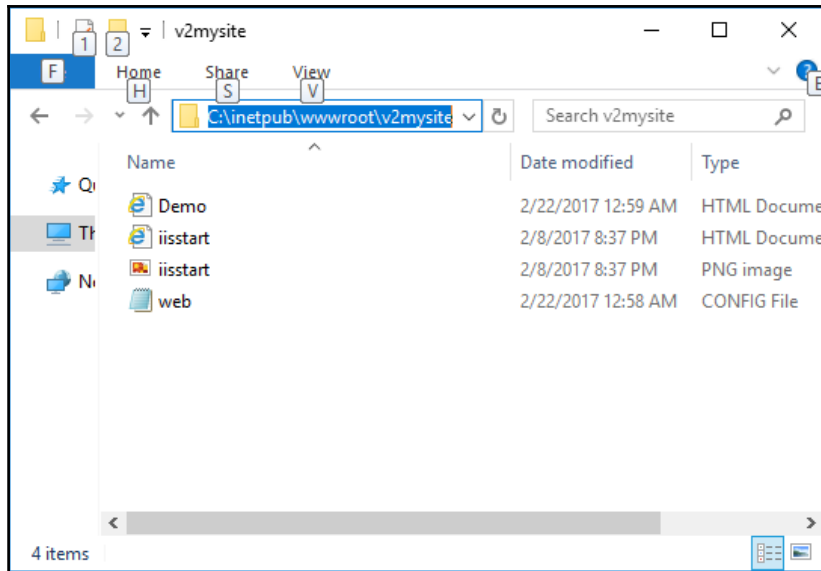


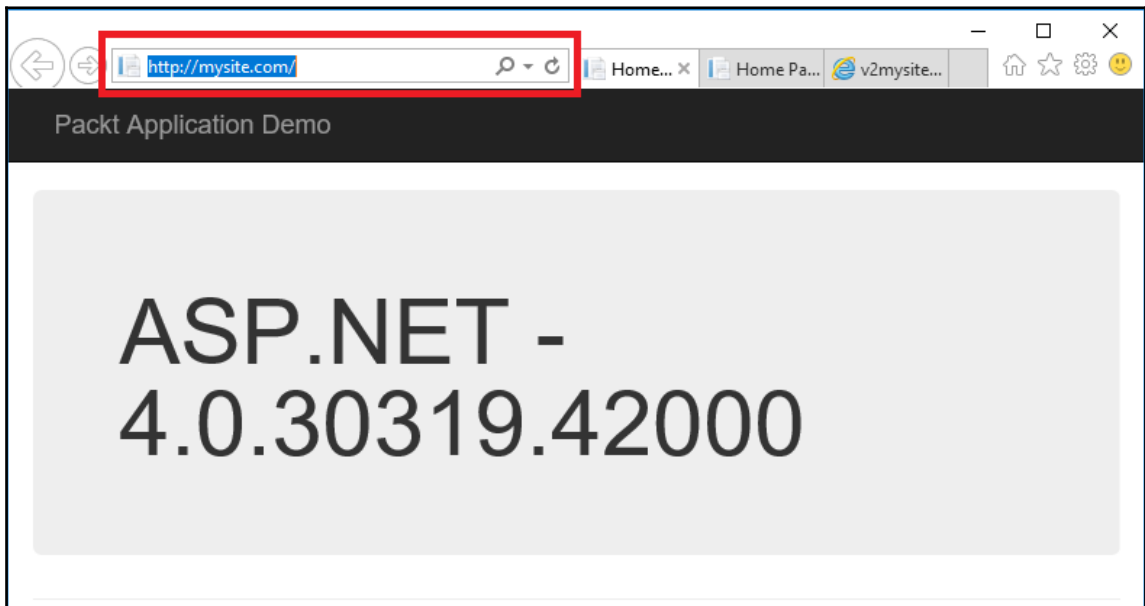
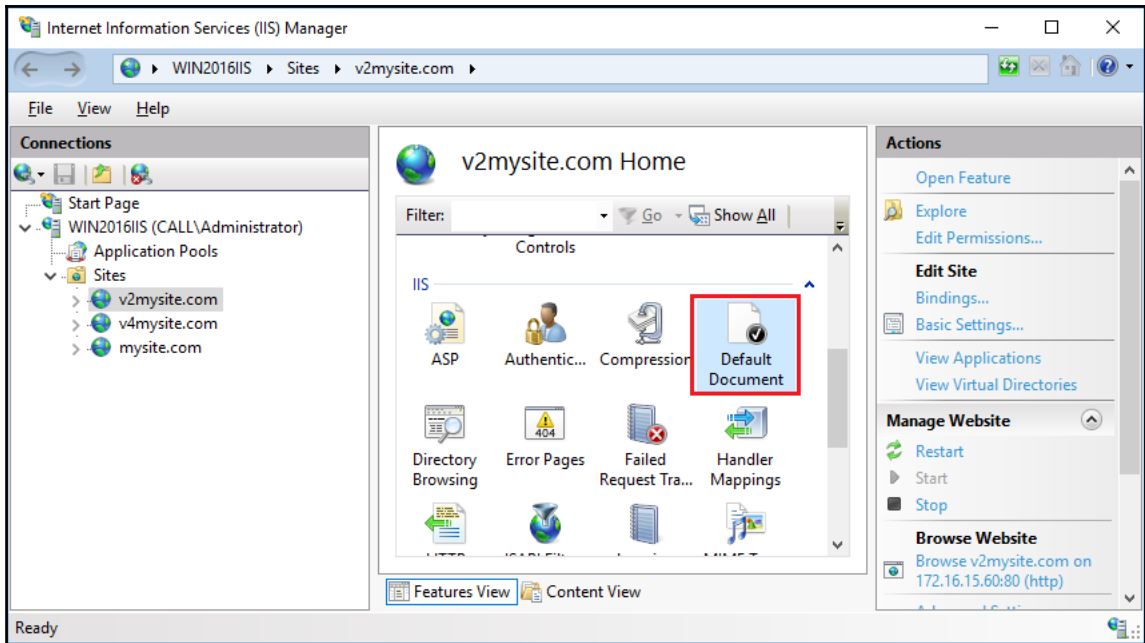


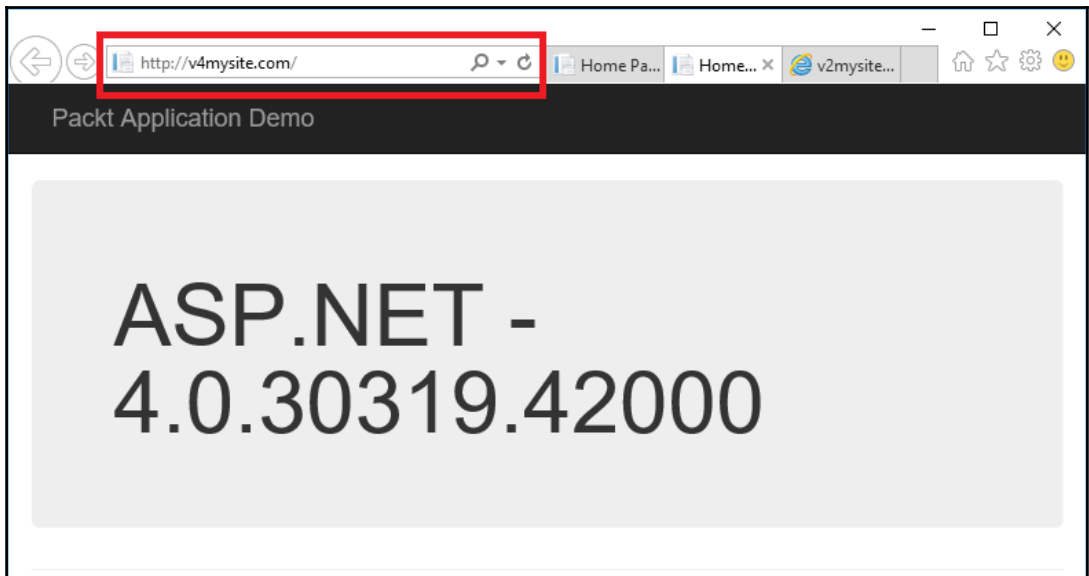
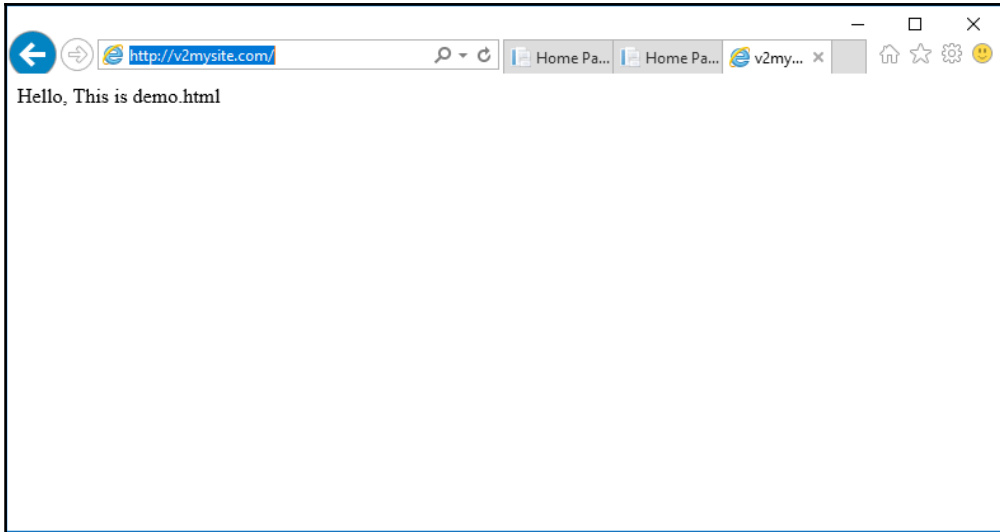




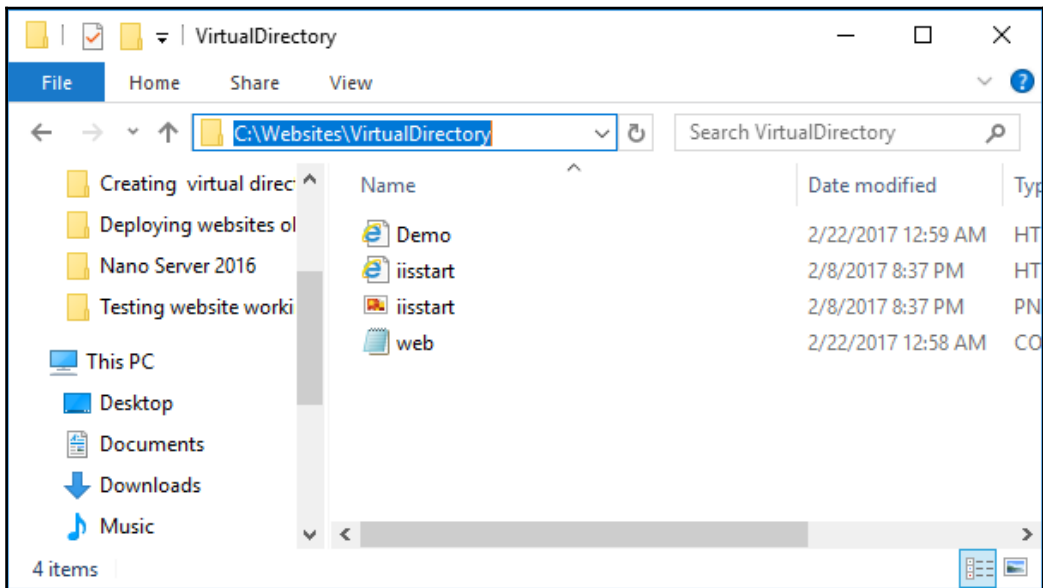
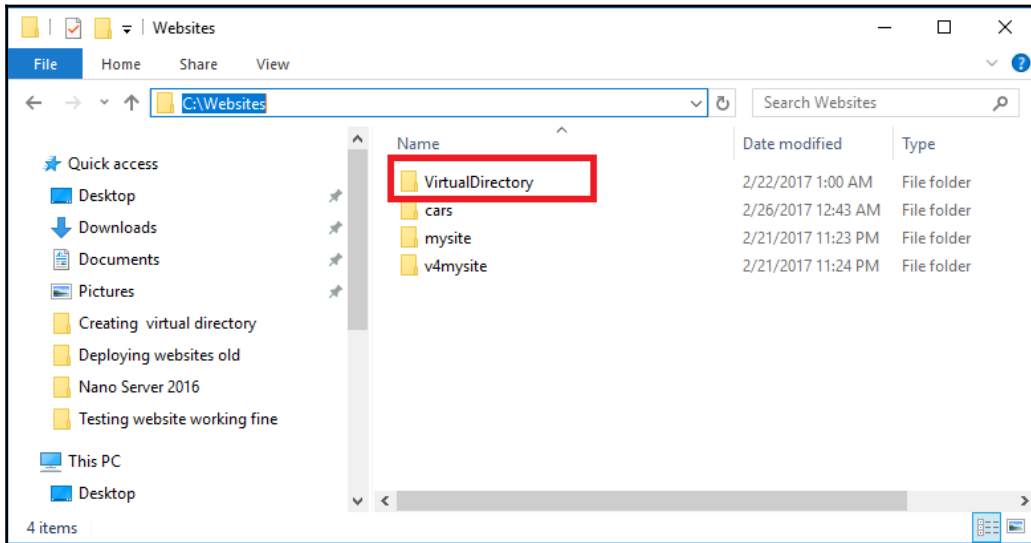


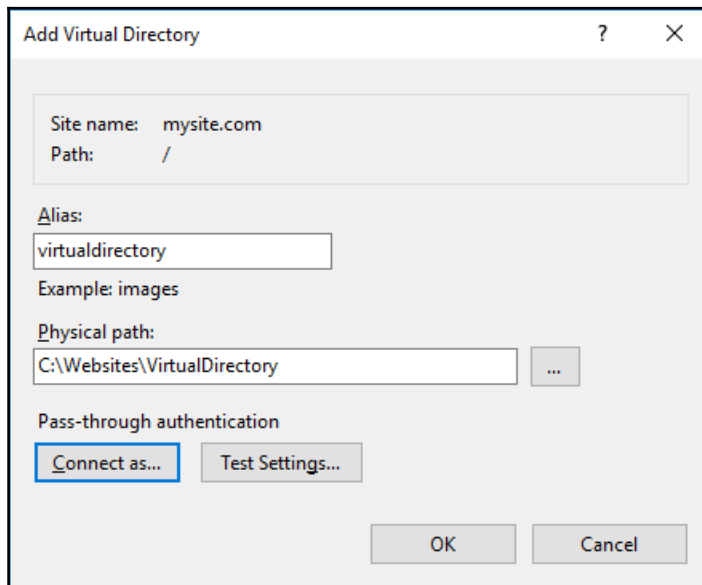
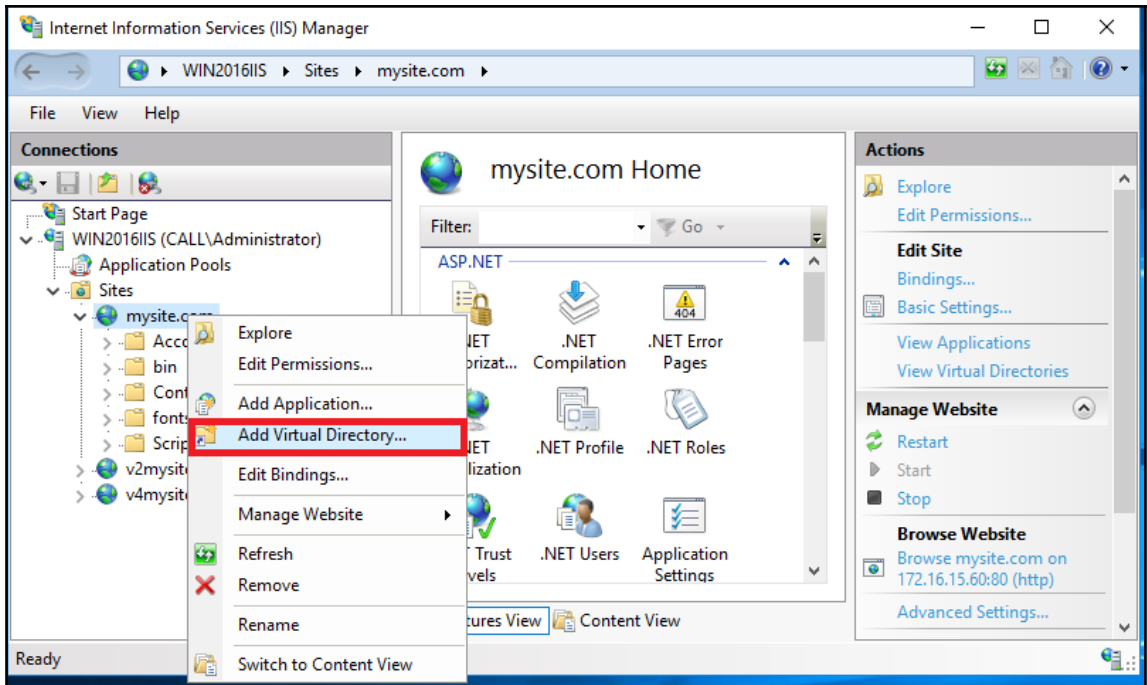


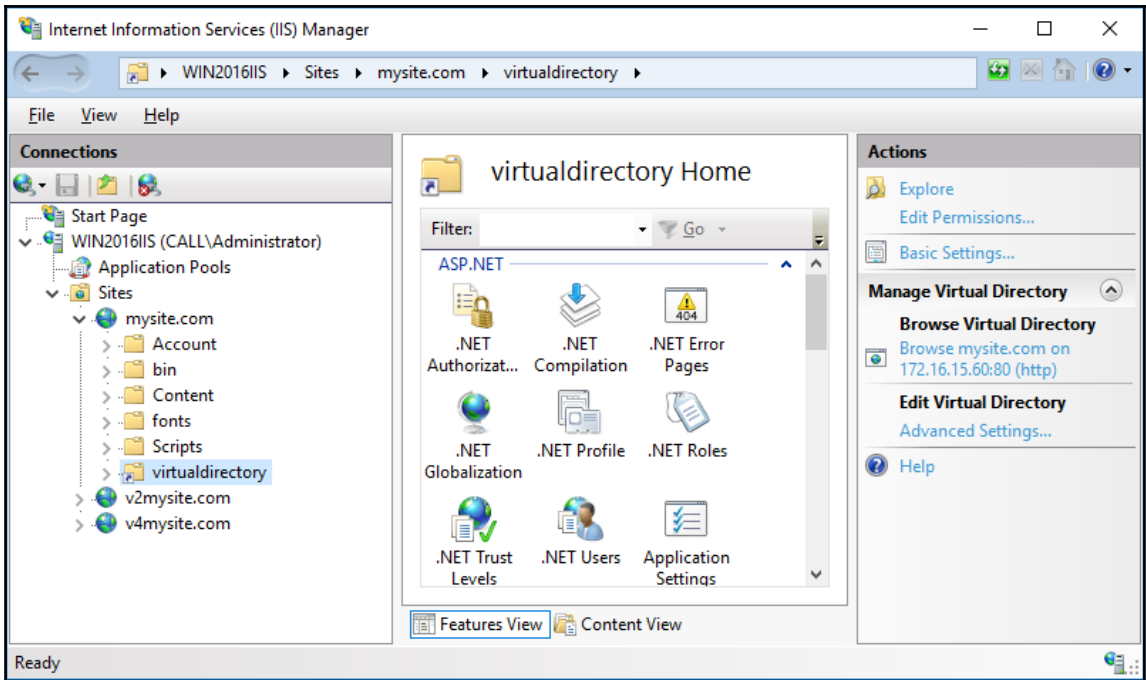


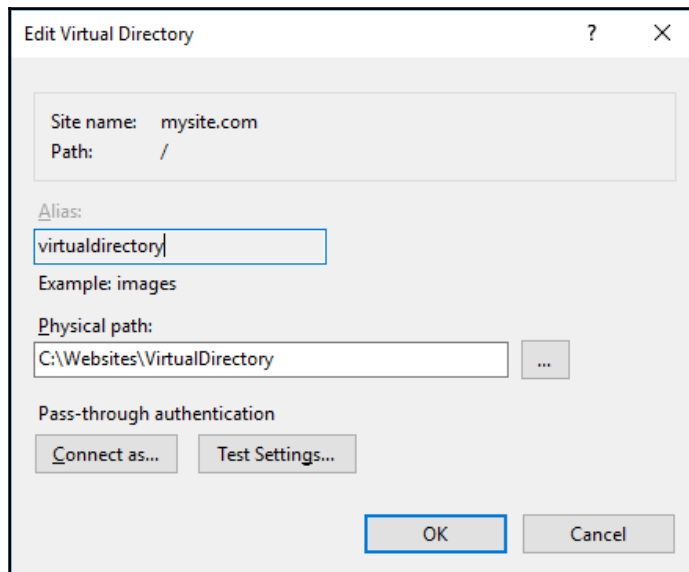
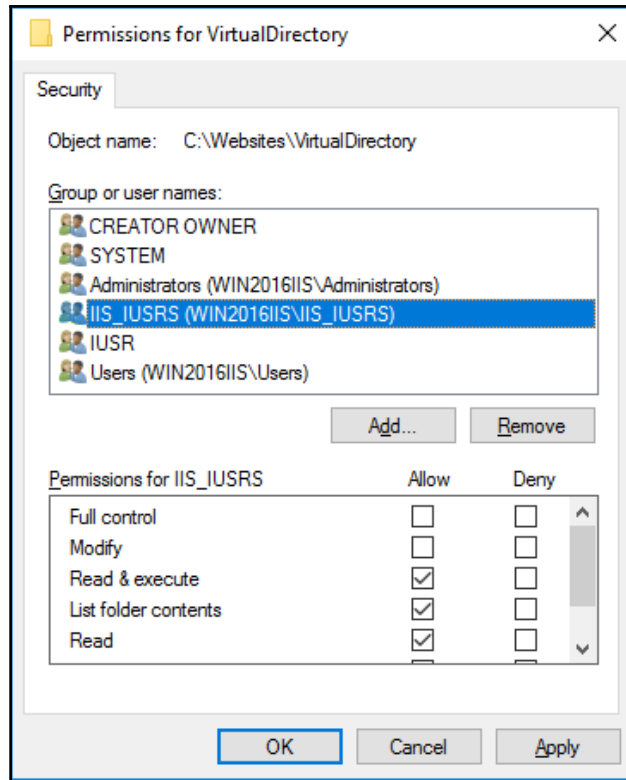


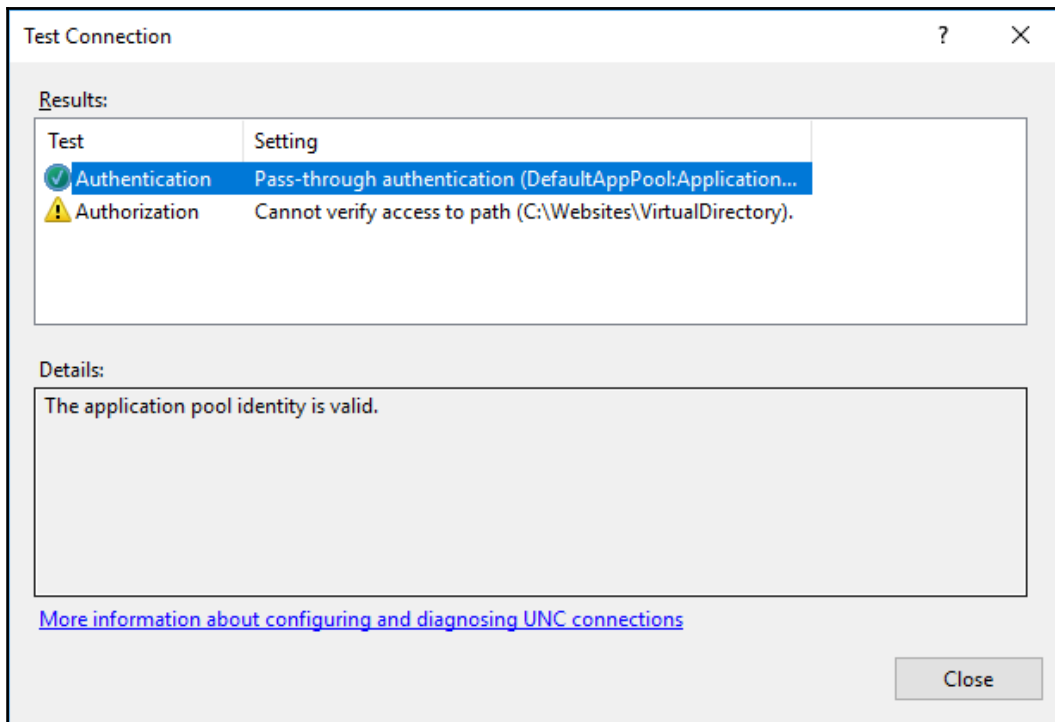
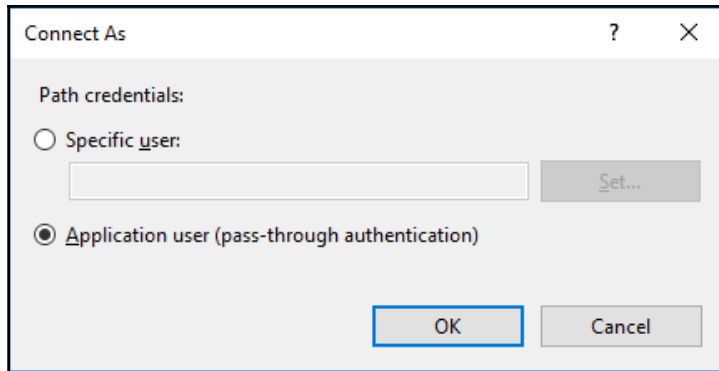
Chapter 4: Constructing Virtual Directories in IIS 10.0

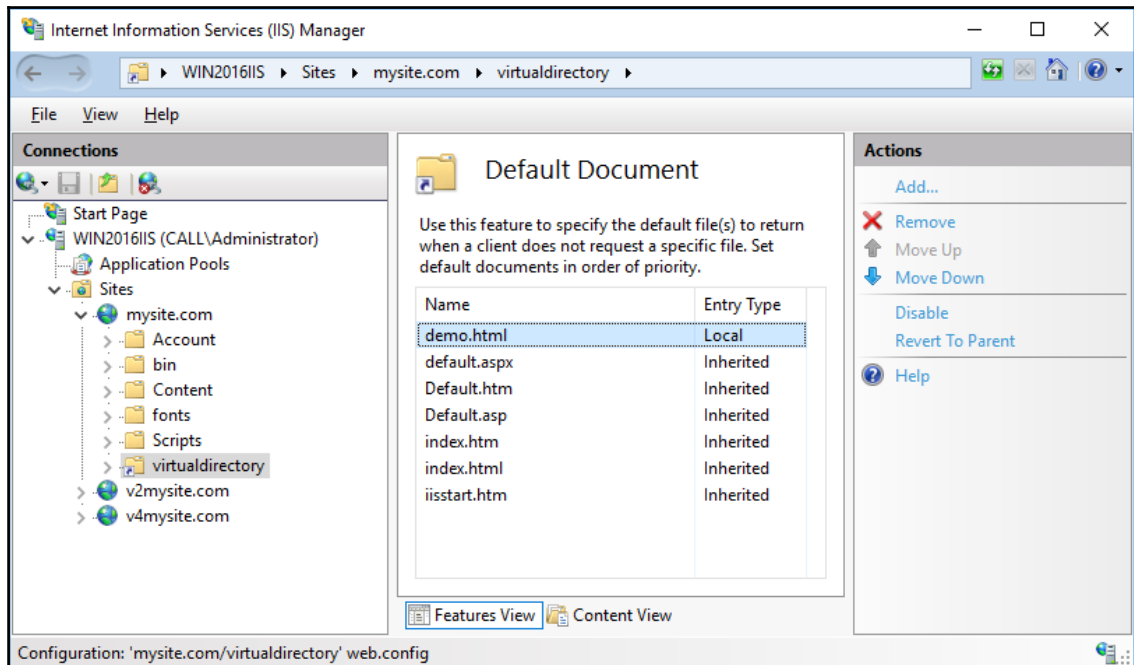
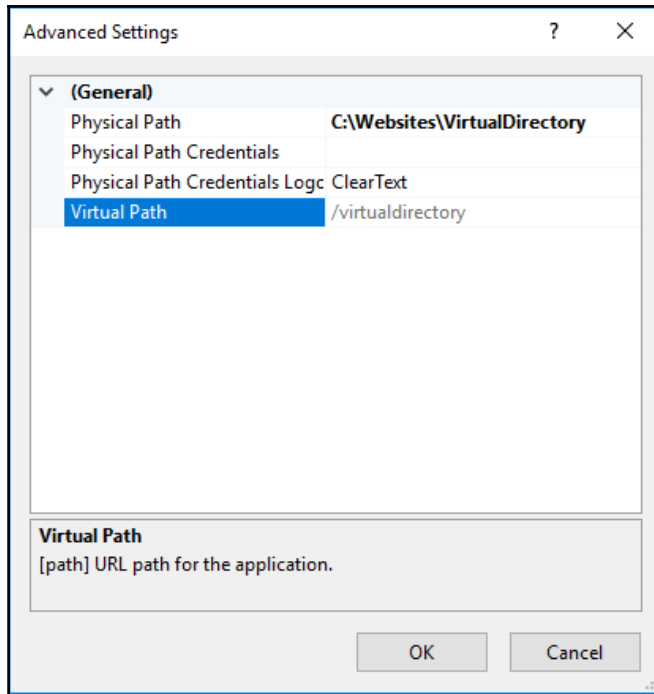


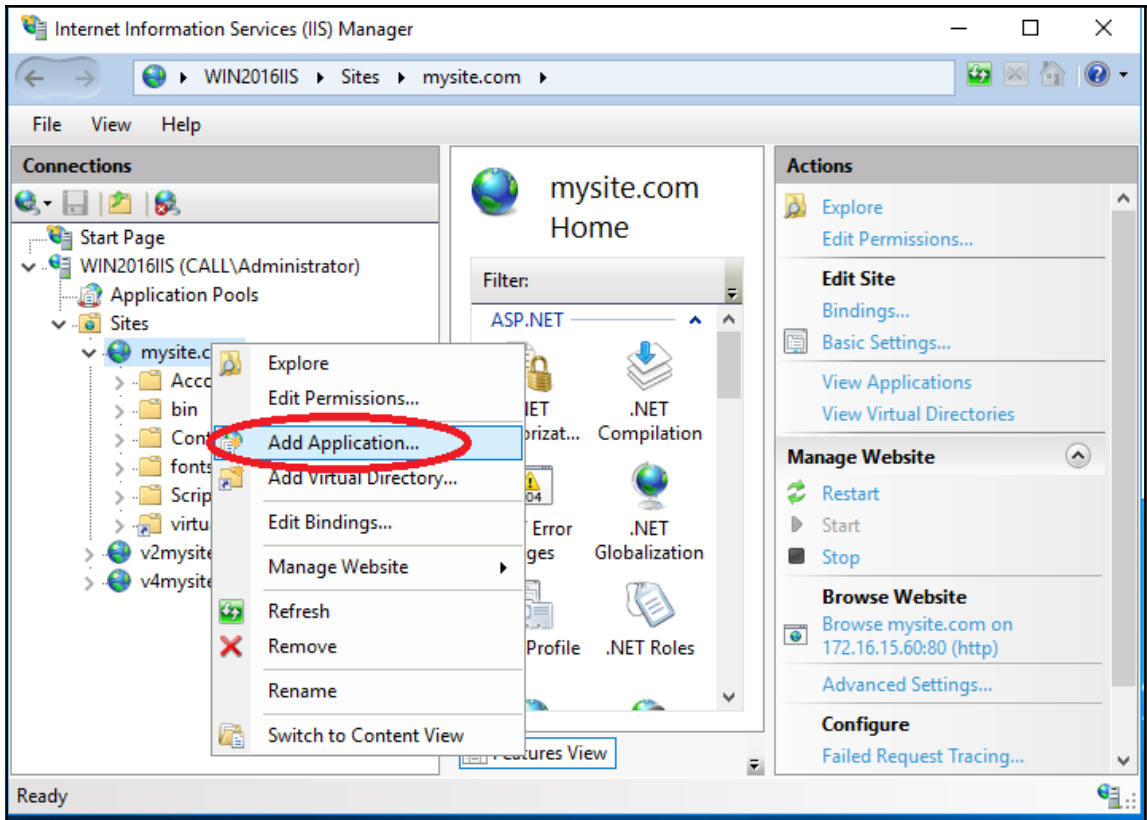


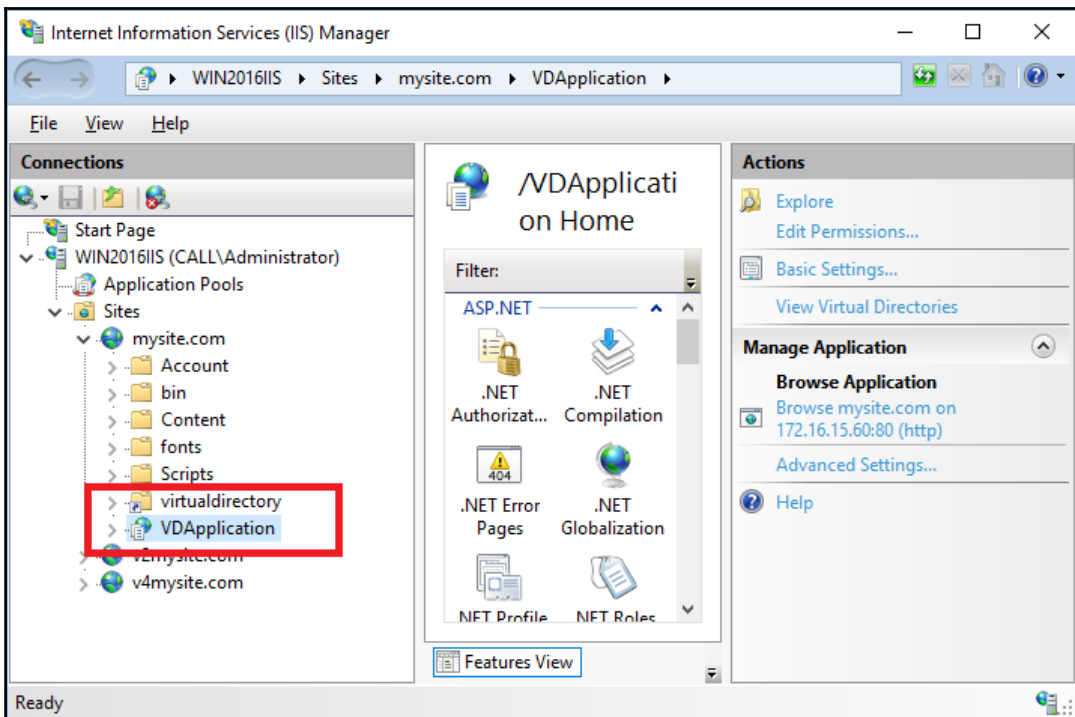
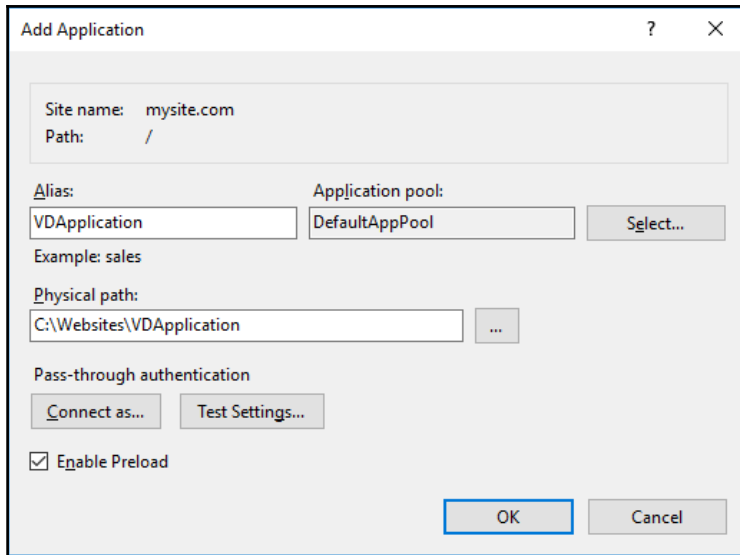


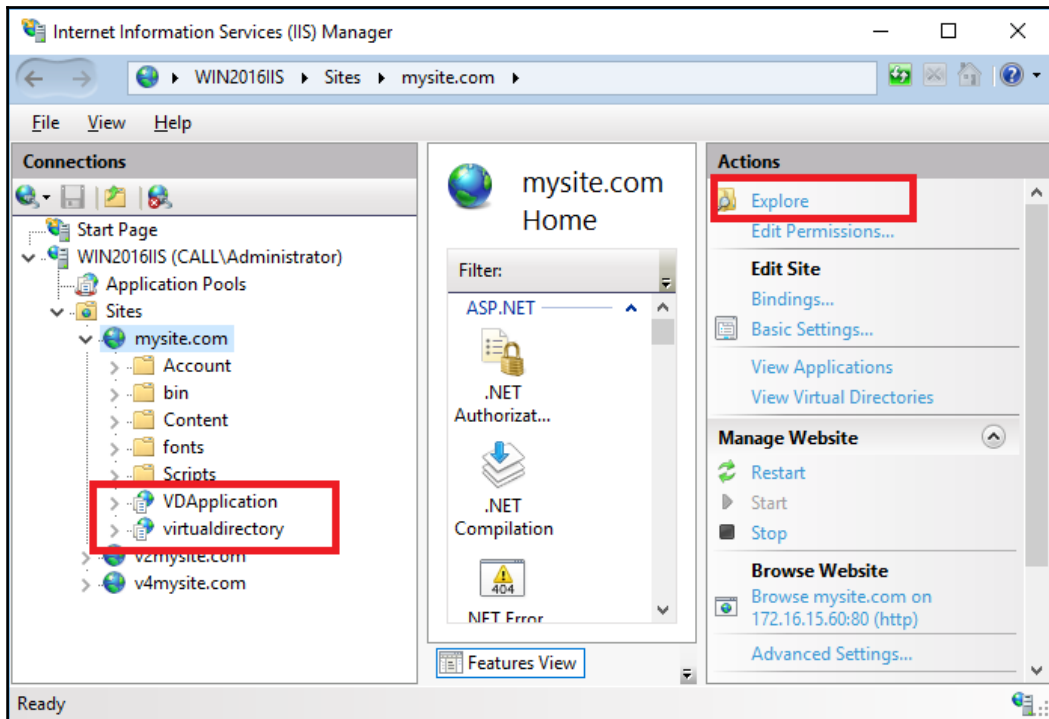
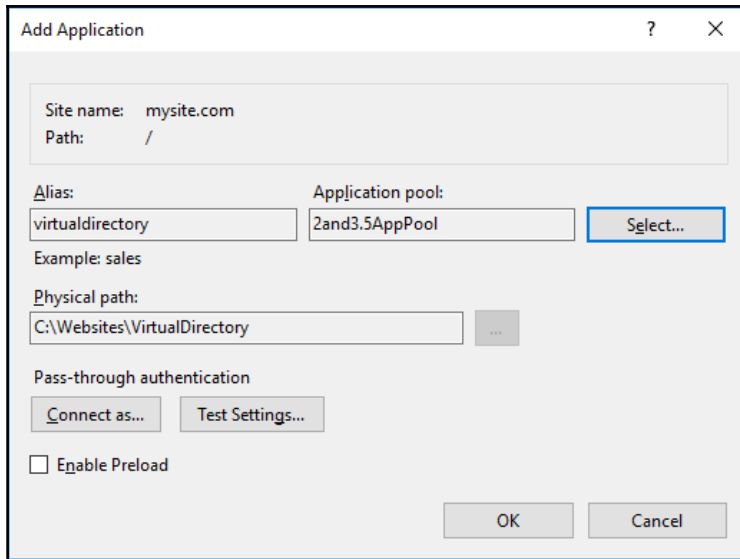


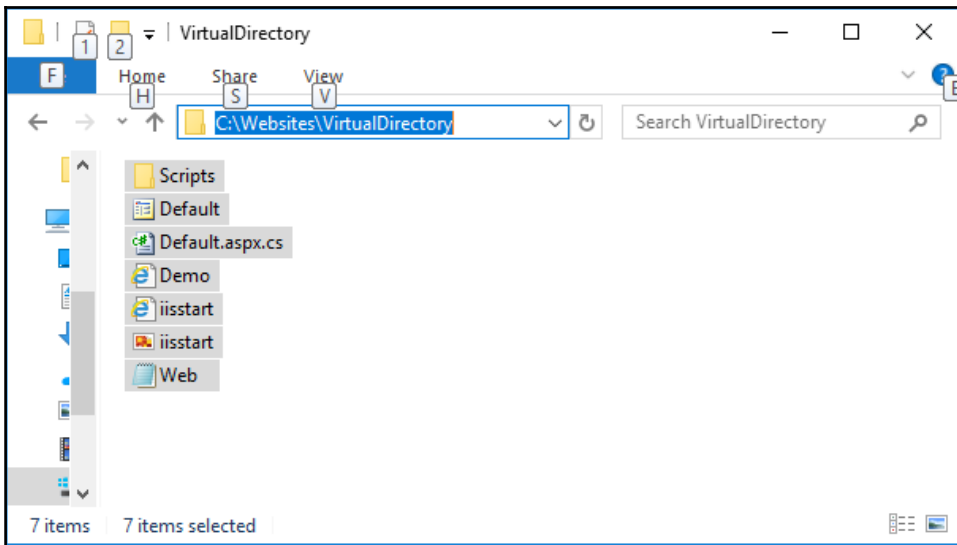
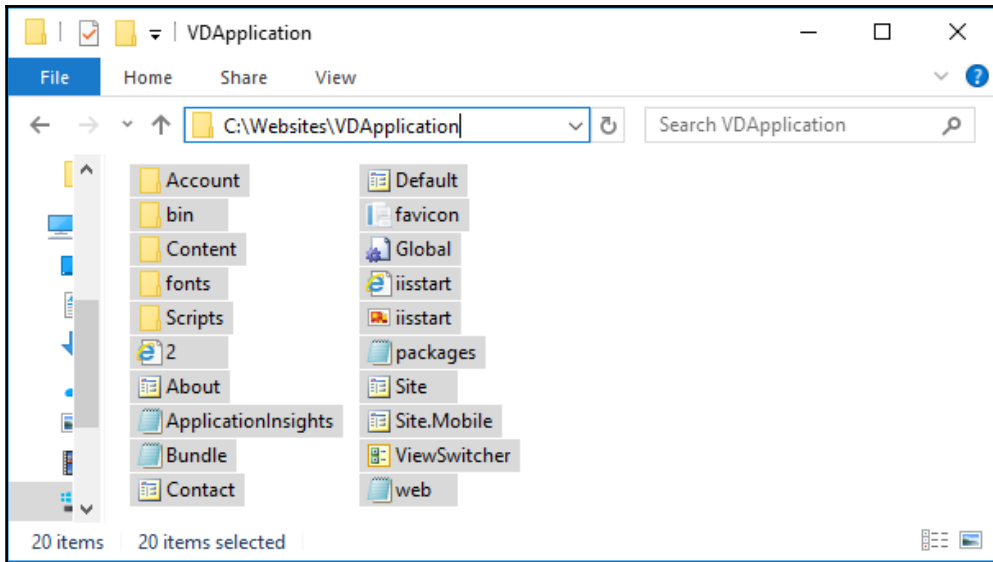


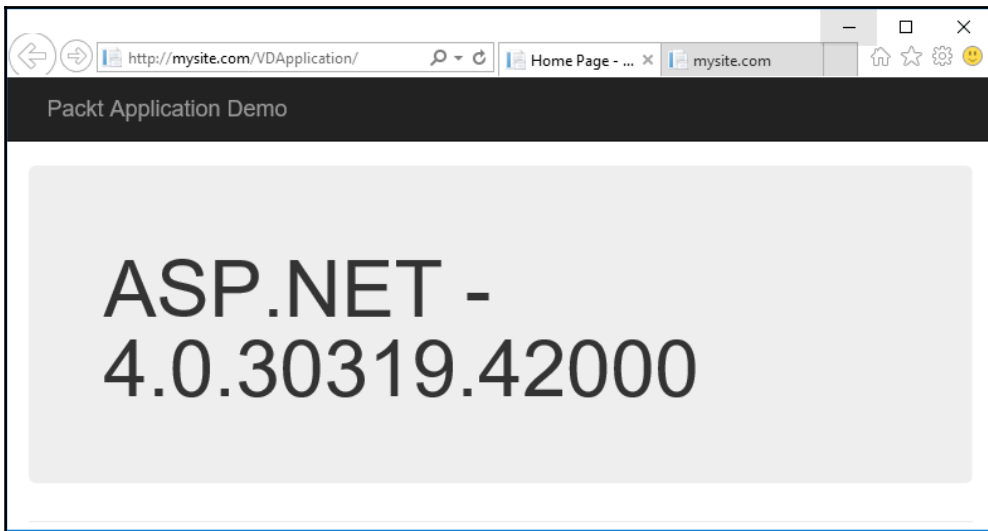
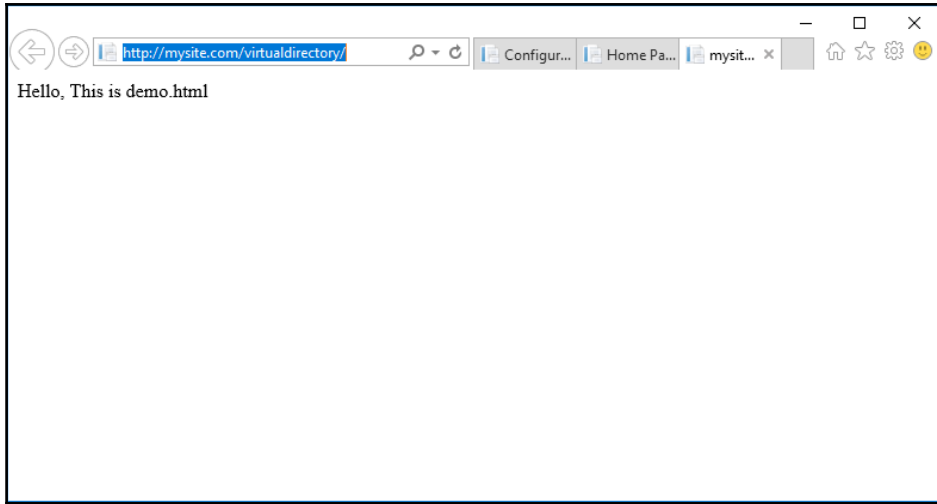


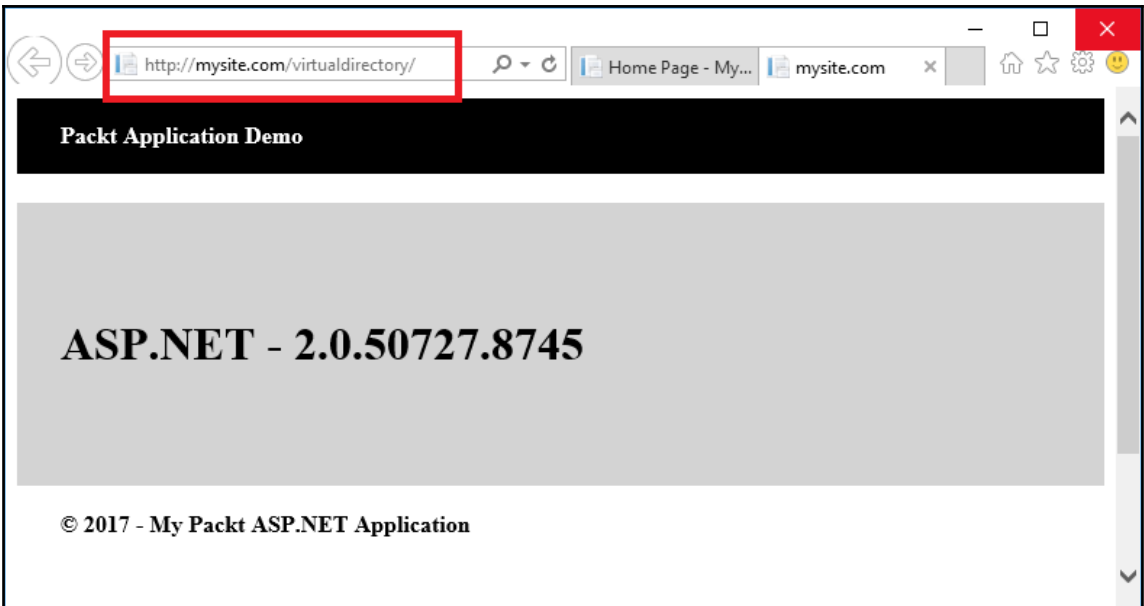




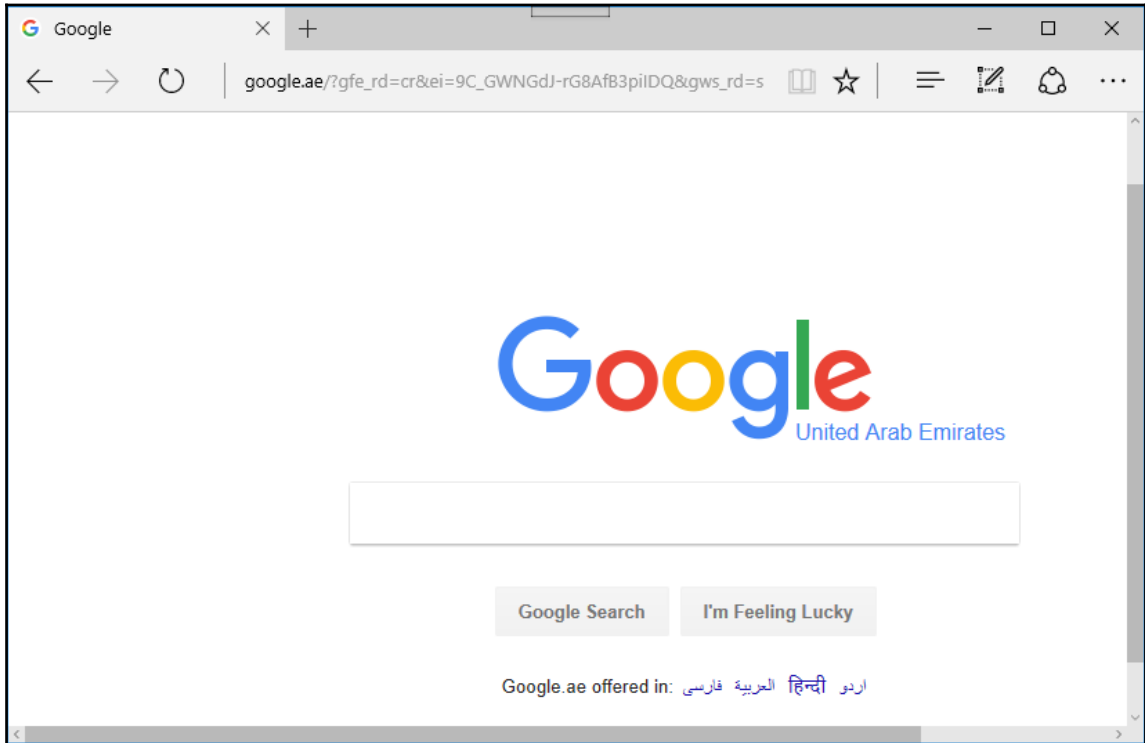


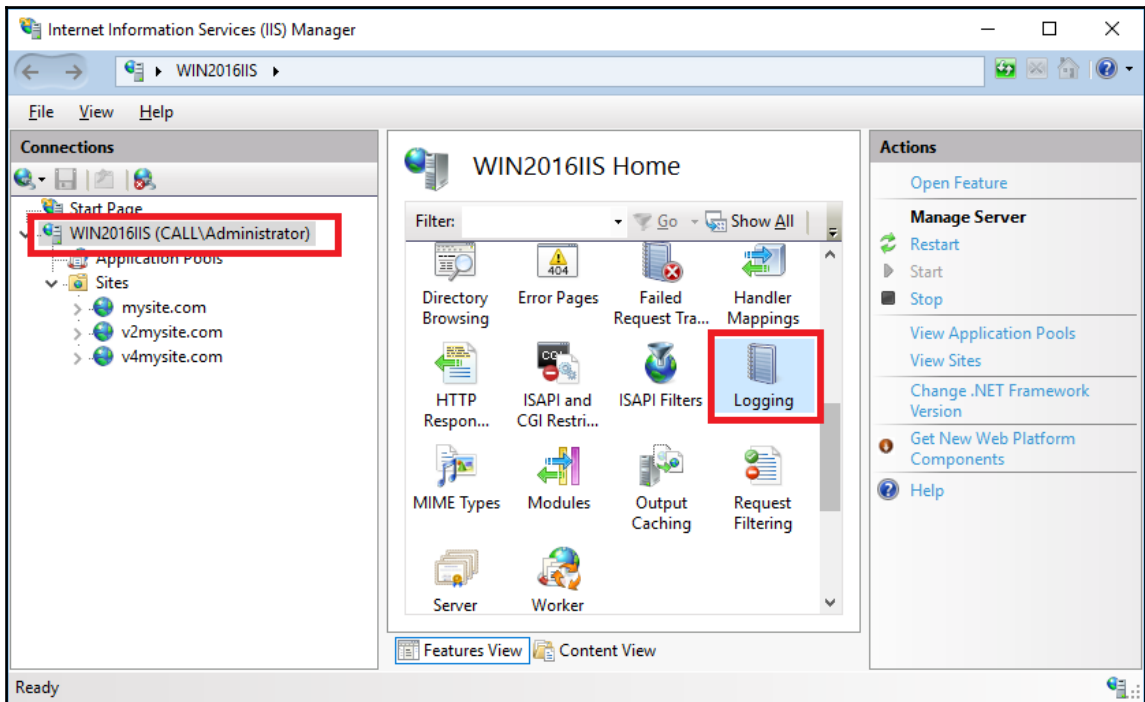
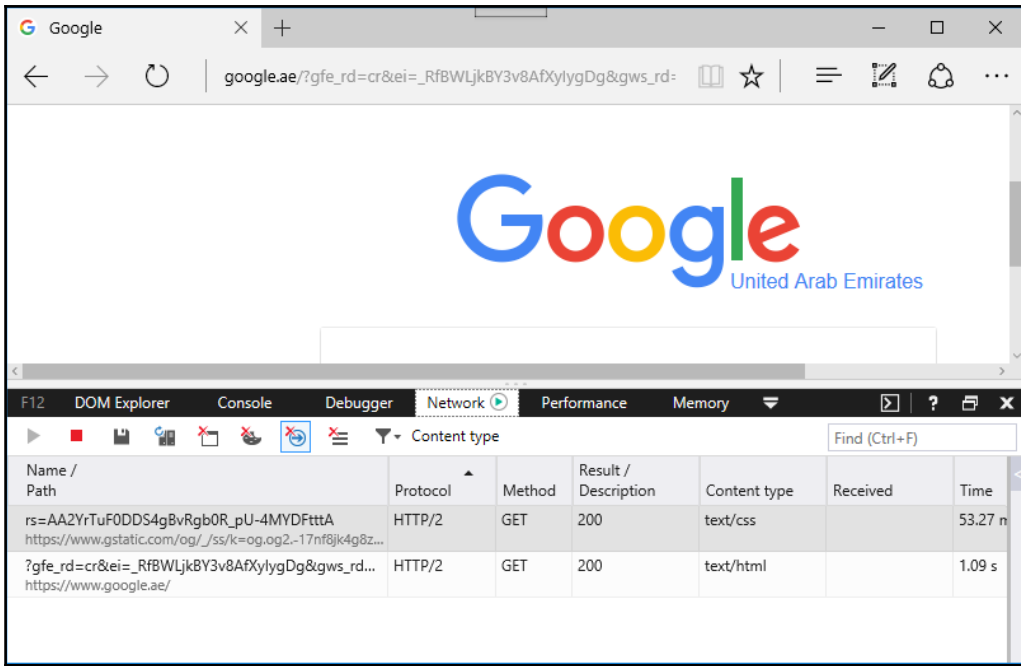


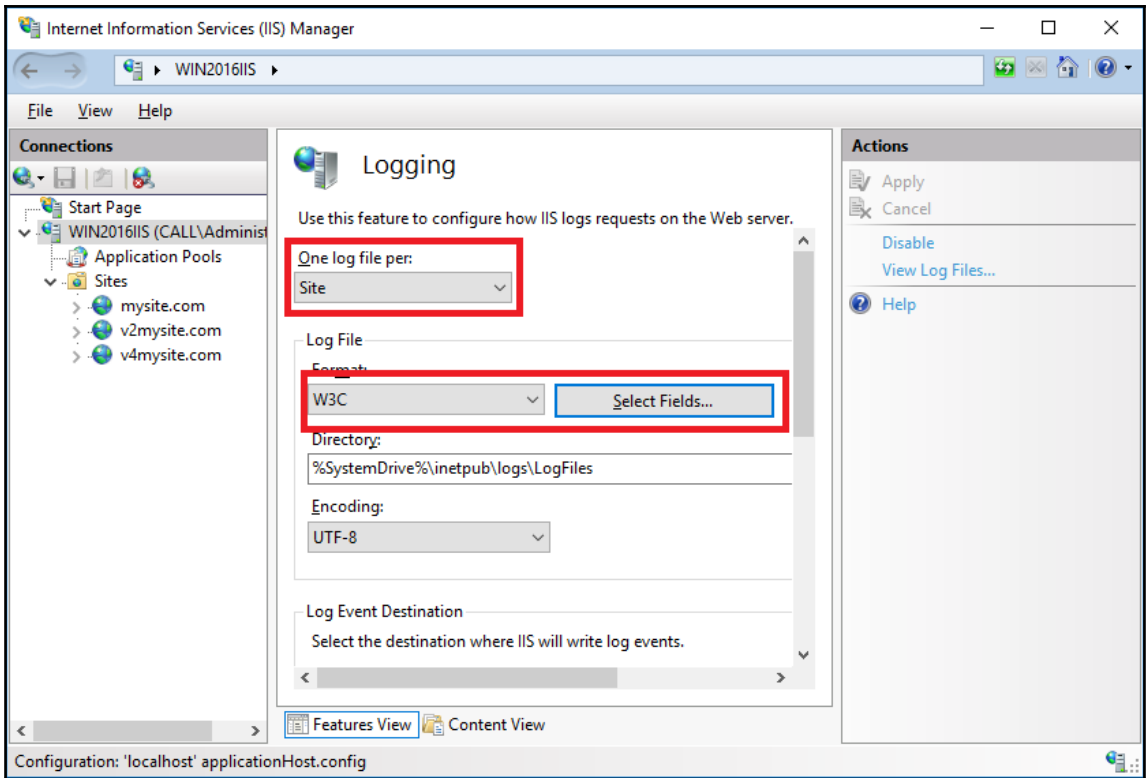




Chapter 5: Installing HTTP/2 on IIS 10.0







W3C Logging Fields ? X

Standard Fields:

- URI Stem (cs-uri-stem)
- URI Query (cs-uri-query)
- Protocol Status (sc-status)
- Protocol Substatus (sc-substatus)
- Win32 Status (sc-win32-status)
- Bytes Sent (sc-bytes)
- Bytes Received (cs-bytes)
- Time Taken (time-taken)
- Protocol Version (cs-version)
- Host (cs-host)
- User Agent (cs(User-Agent))
- Cookie (cs(Cookie))
- Referer (cs(Referer))

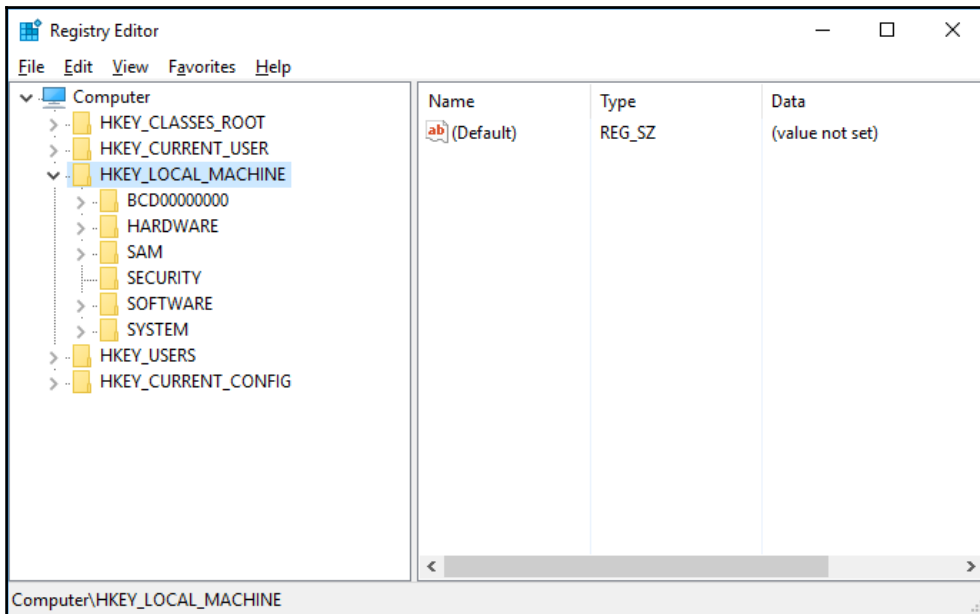
Custom Fields:

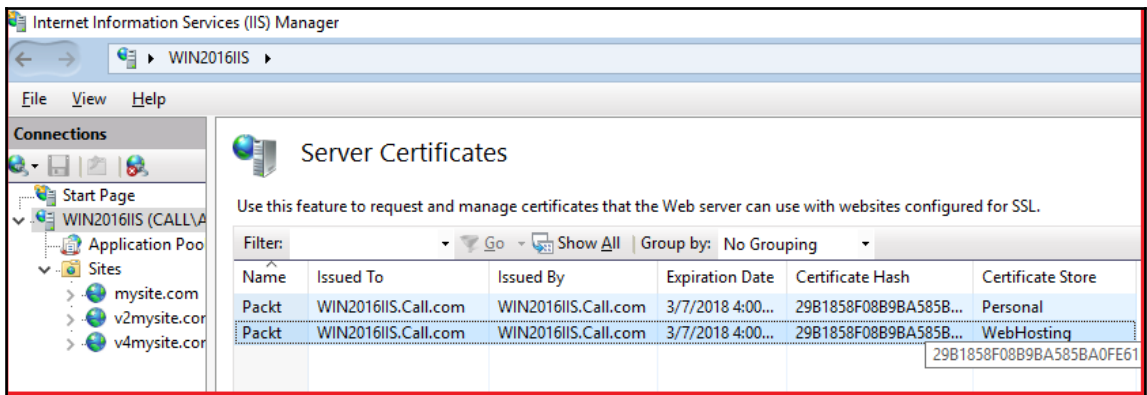
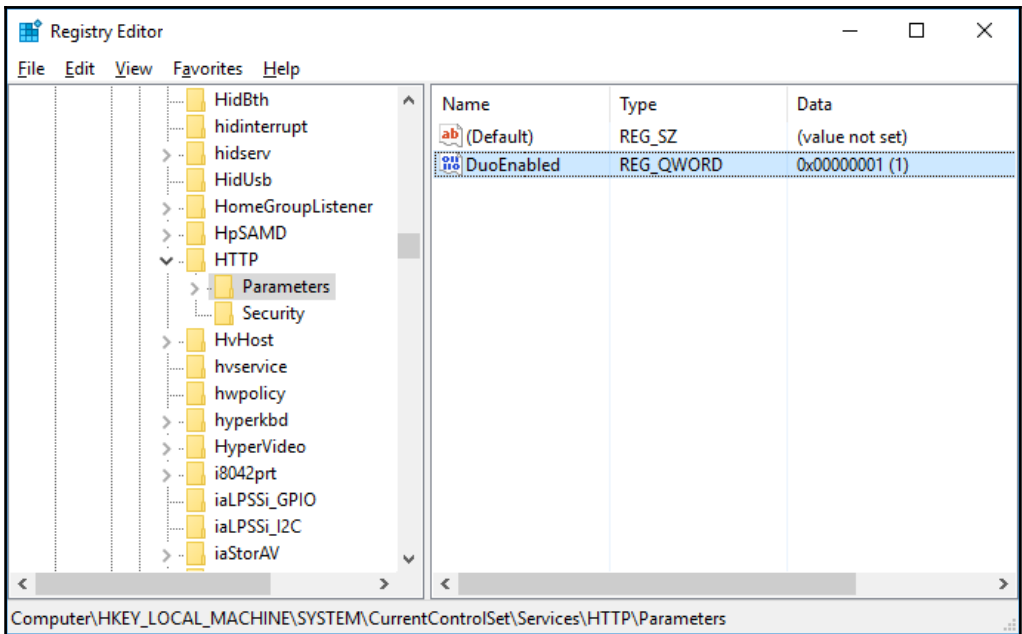
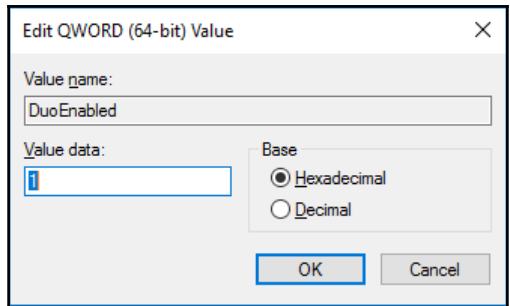
Log Field	Source Type	Source
-----------	-------------	--------

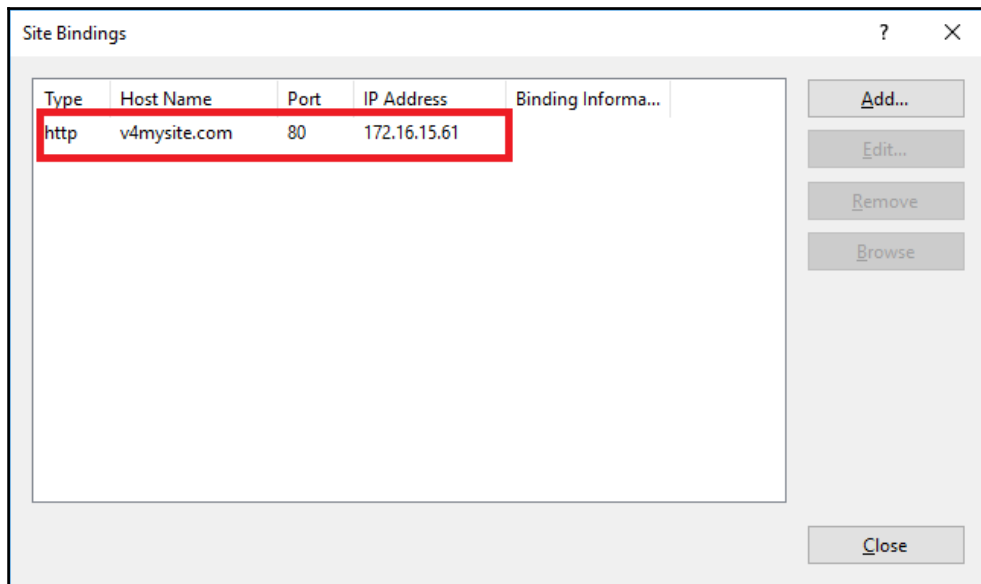
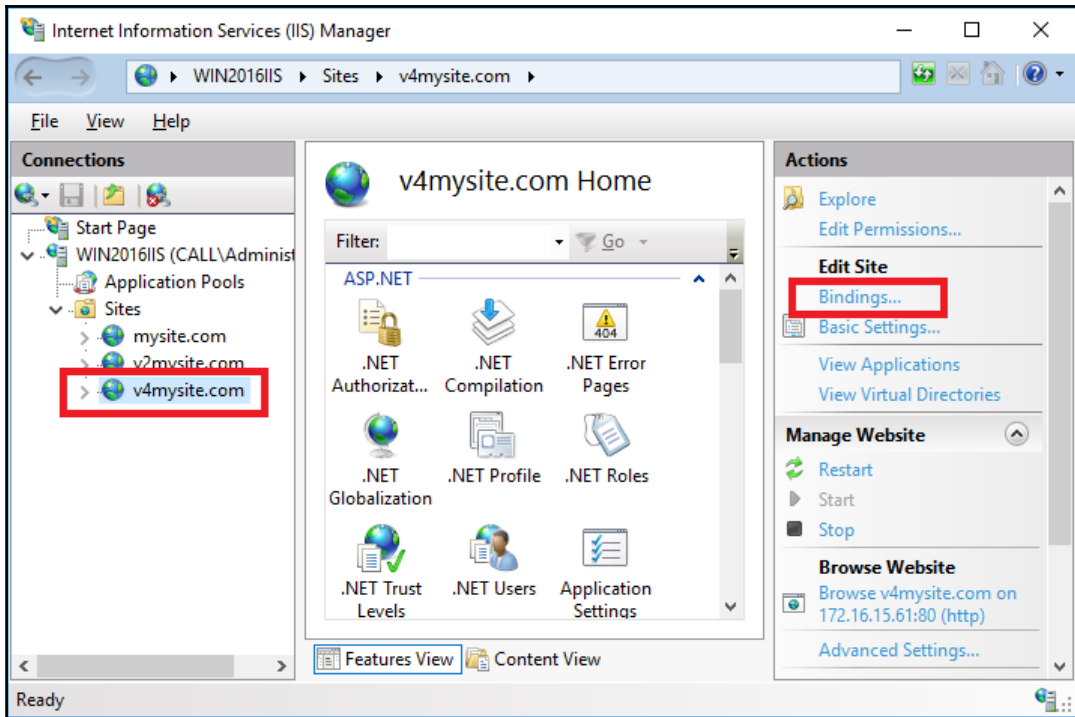
Add Field... Remove Field Edit Field...

OK Cancel

```
Administrator: C:\Windows\system32\cmd.exe
C:\Users\administrator.CALL>
C:\Users\administrator.CALL>
C:\Users\administrator.CALL>
C:\Users\administrator.CALL>
C:\Users\administrator.CALL>regedit_
```







Add Site Binding ? X

Type:	IP address:	Port:
https	172.16.15.61	443

Host name:
v4mysite.com

Require Server Name Indication

SSL certificate:
Not selected

Select... View...

OK Cancel

Add Site Binding ? X

Type:	IP address:	Port:
https	172.16.15.61	443

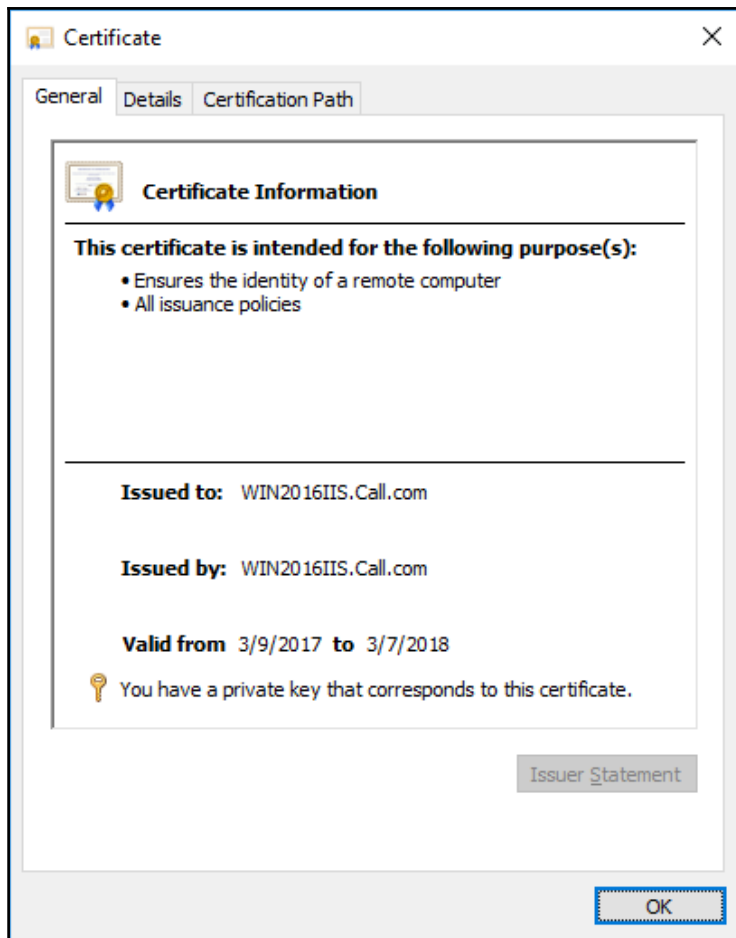
Host name:
v4mysite.com

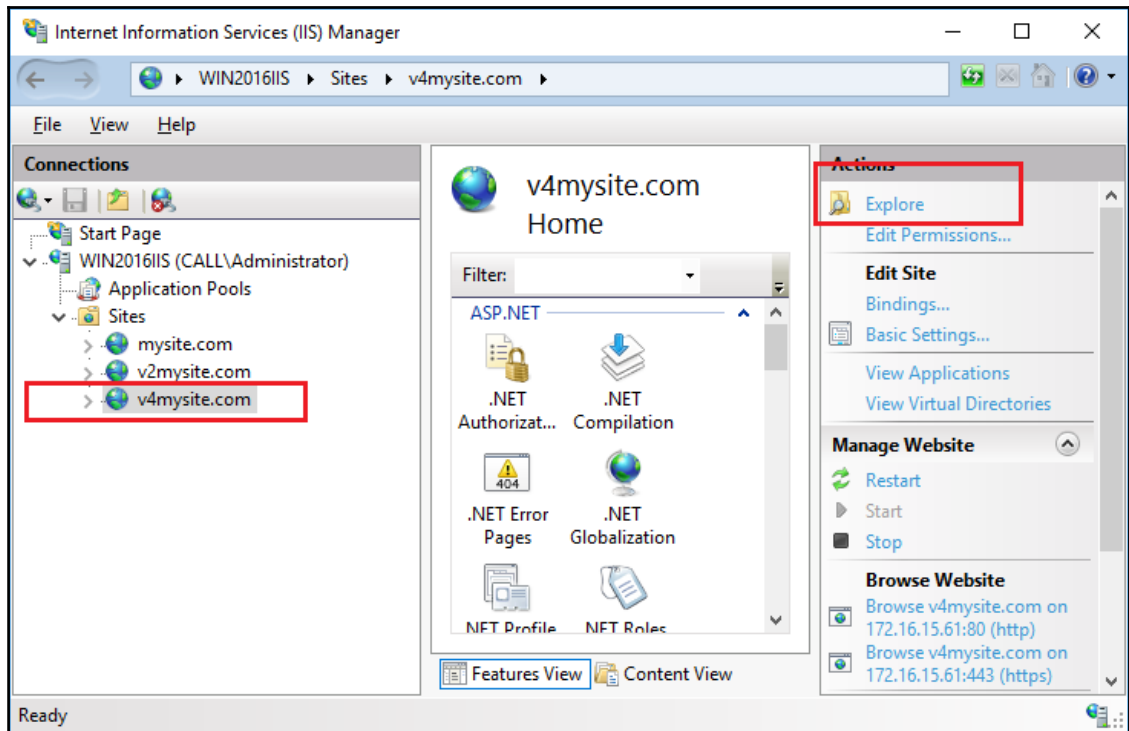
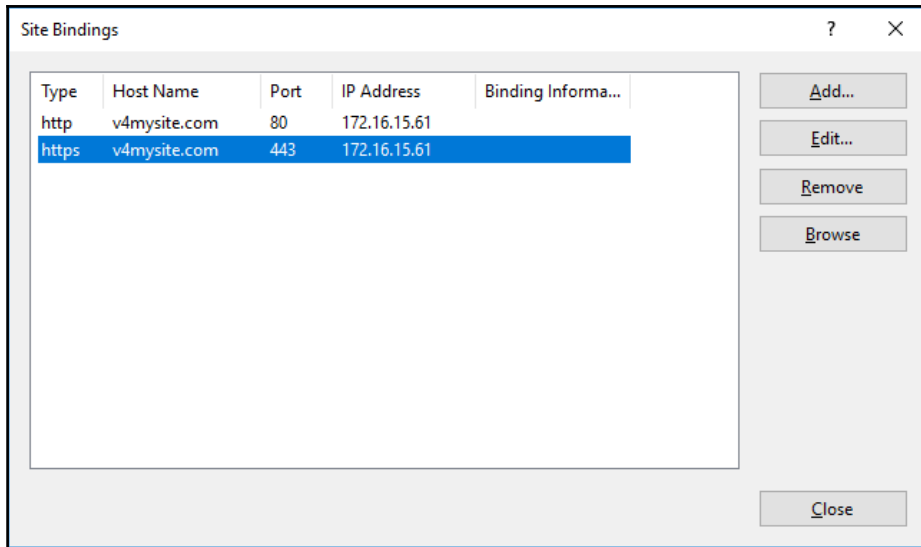
Require Server Name Indication

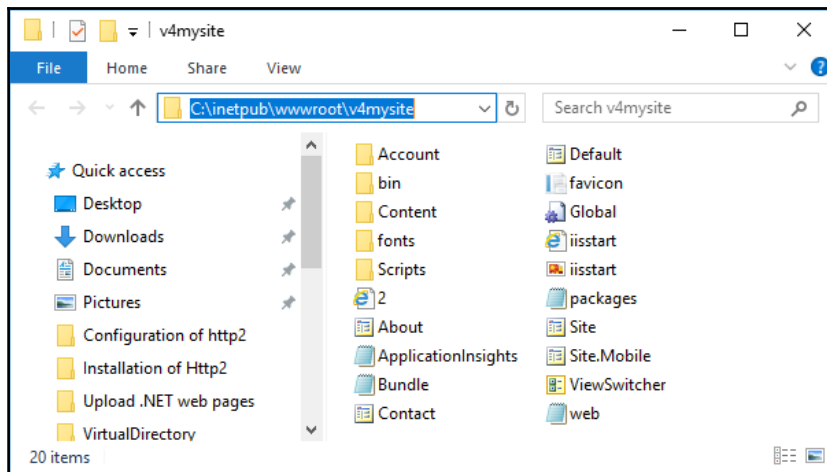
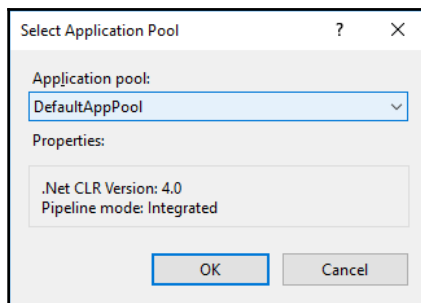
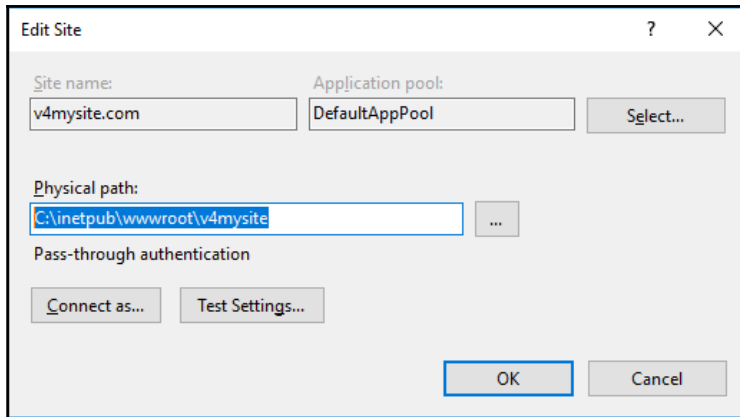
SSL certificate:
Packt

Select... View...

OK Cancel







The screenshot shows a web browser window with the address bar containing `https://v4mysite.com/`. The page content displays "ASP.NET - 4.0.30319.42000". The Network tab is active, showing a list of requests. The first request is highlighted, with its Protocol column containing "HTTP/2".

Name / Path	Protocol	Method	Result / Description	Content type	Received	Time
<code>https://v4mysite.com/</code>	HTTP/2	GET	200	text/html	3.21 KB	199.01
<code>modernizr?v=wBEWDufH_8Md-Pbioxomt90vm6tJN... https://v4mysite.com/bundles/</code>	HTTPS	GET	200	text/javascript	(from cache)	0 s

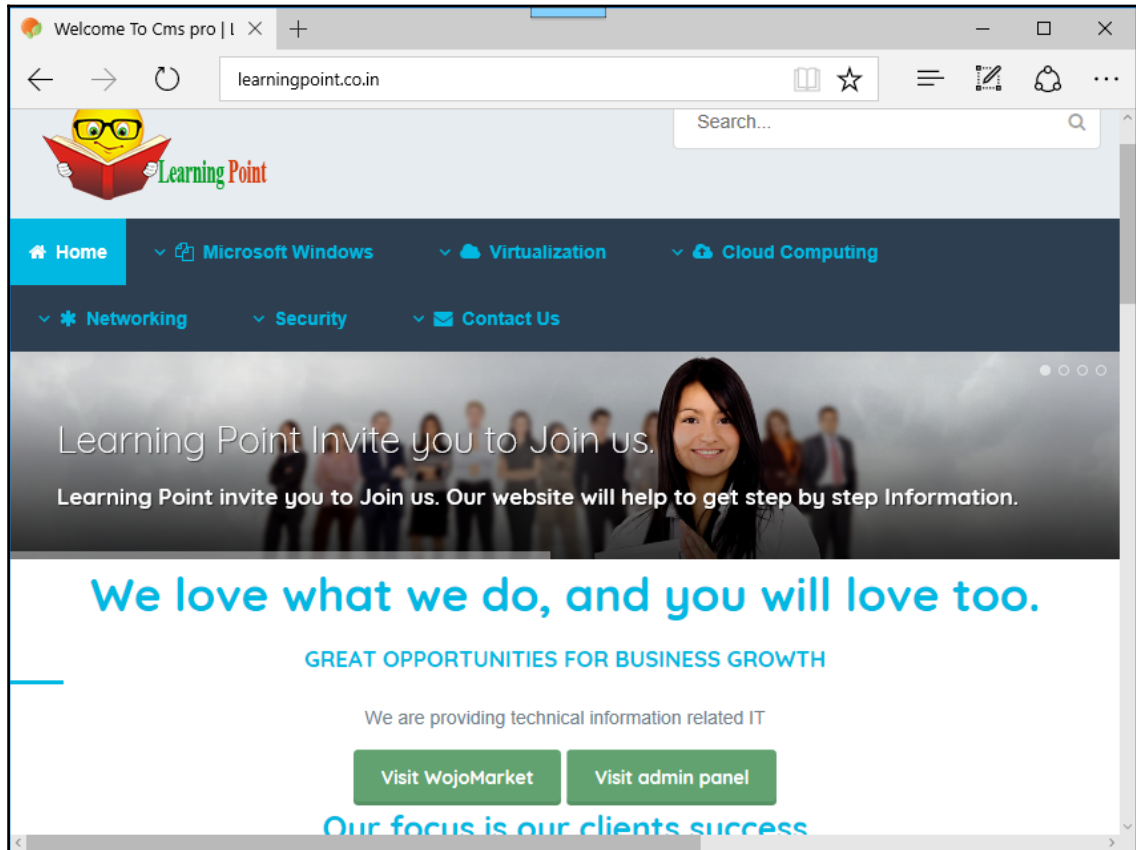
Summary: 0 errors, 9 requests, 3.21 KB transferred, 199.01 ms taken (DOMContentLoaded: 1 s, load: 1.02 s)

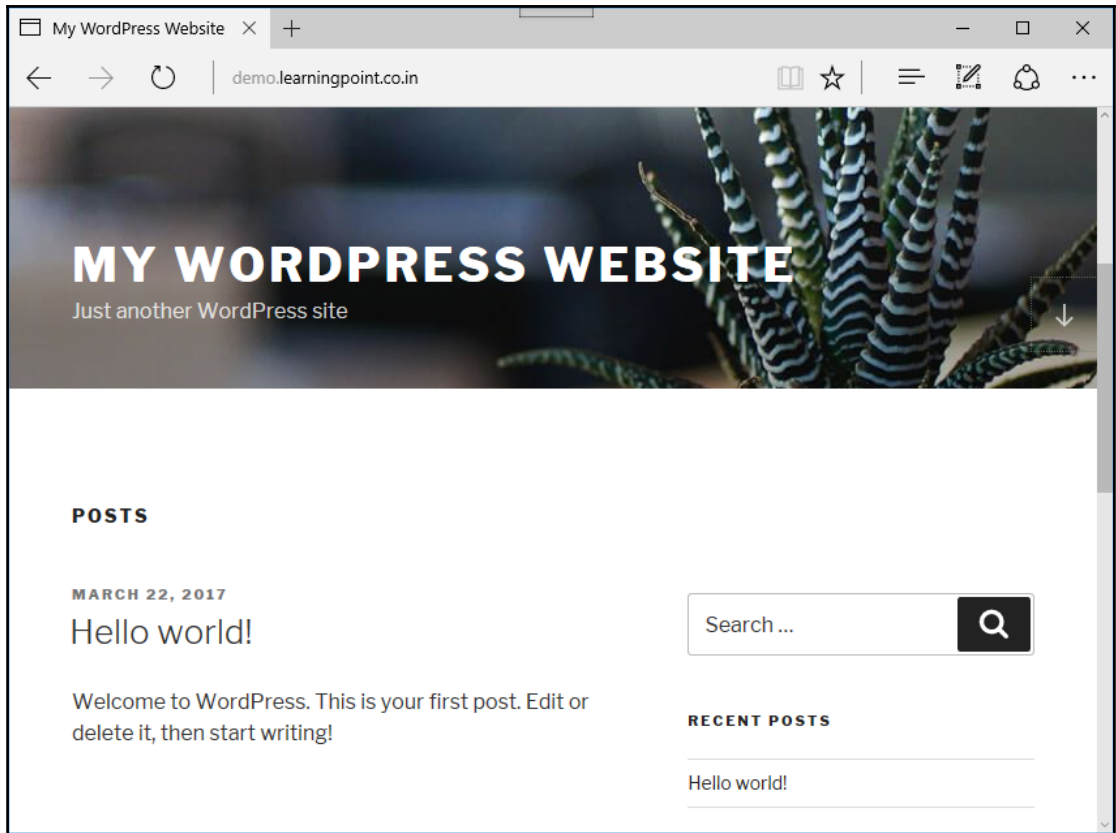
The screenshot shows a web browser window with the address bar containing `http://v4mysite.com/`. The page content displays the text `ASP.NET - 4.0.30319.42000`. The developer tools are open to the Network tab, showing a list of requests. The first request is highlighted, with its Protocol column containing the text `HTTP`.

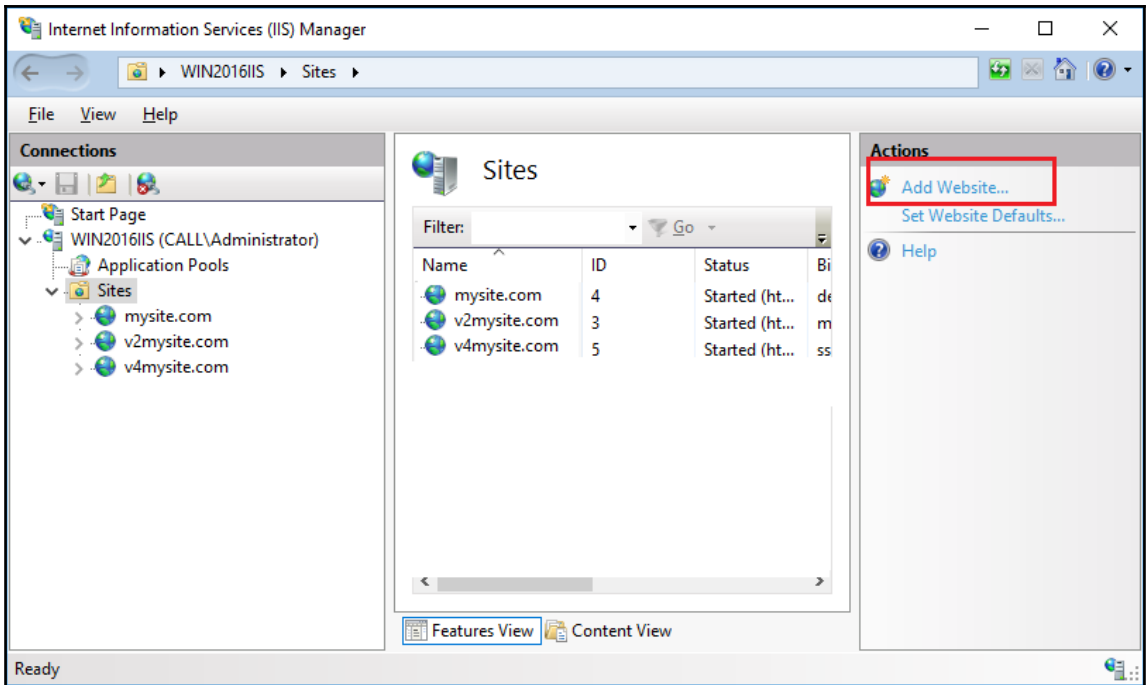
Name / Path	Protocol	Method	Result / Description	Content type	Received	Time
<code>http://v4mysite.com/</code>	<code>HTTP</code>	<code>GET</code>	<code>200 OK</code>	<code>text/html</code>	<code>3.21 KB</code>	<code>66.44 n</code>
<code>modernizr?v=wBEWDufH_8Md-Pbioxomt90vm6tJN... http://v4mysite.com/bundles/</code>	<code>HTTP</code>	<code>GET</code>	<code>200 OK</code>	<code>text/javascript</code>	<code>(from cache)</code>	<code>0 s</code>

Summary: 0 errors, 9 requests, 3.21 KB transferred, 66.44 ms taken (DOMContentLoaded: 565 ms, load: 576 ms)

Chapter 6: Getting Your Wildcard Host Up and Running







Add Website [?] [X]

Site name: demo.v2mysite.com **Application pool:** demo.v2mysite.com **Select...**

Content Directory

Physical path: C:\inetpub\wwwroot\v2mysite\Demo ...

Pass-through authentication

Connect as... **Test Settings...**

Binding

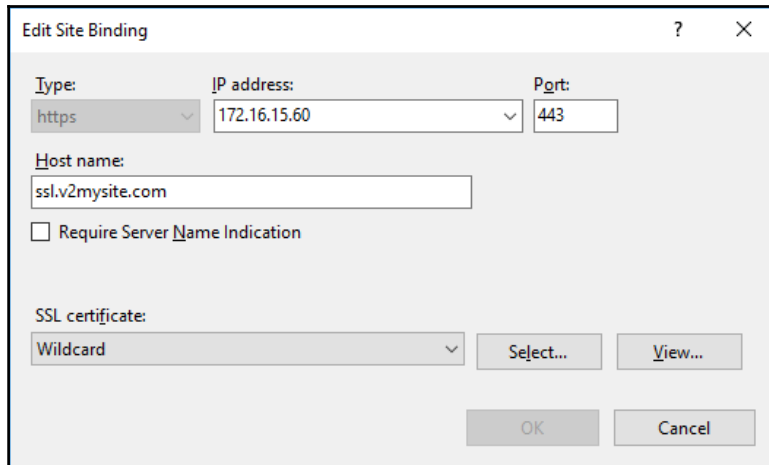
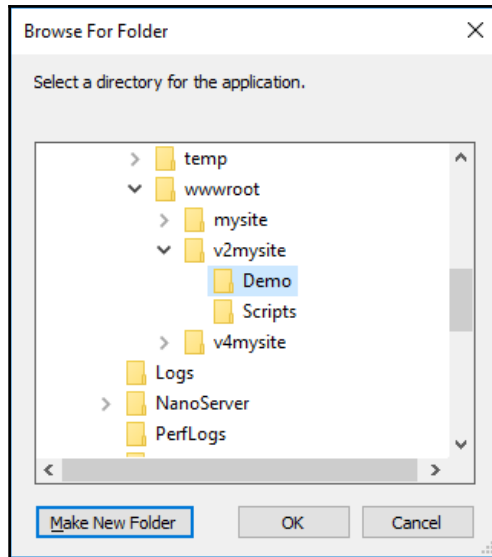
Type:	IP address:	Port:
http	172.16.15.60	80

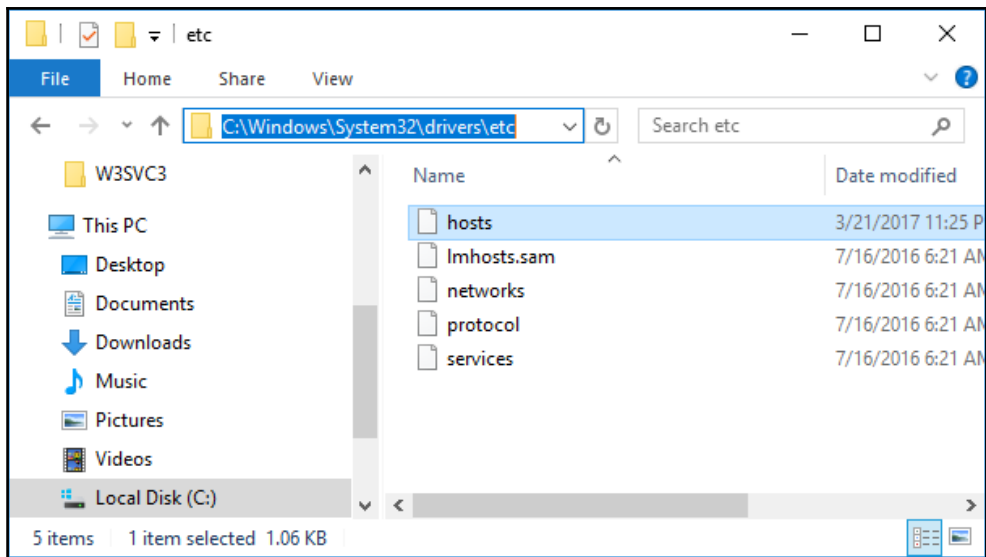
Host name: demo.v2mysite.com

Example: www.contoso.com or marketing.contoso.com

Start Website immediately

OK **Cancel**



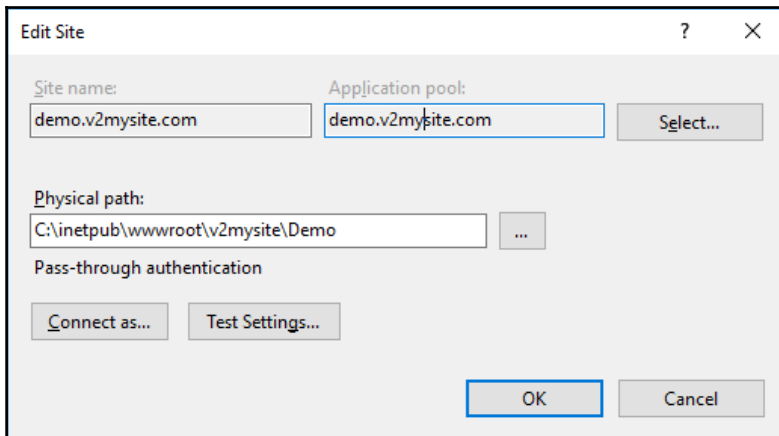
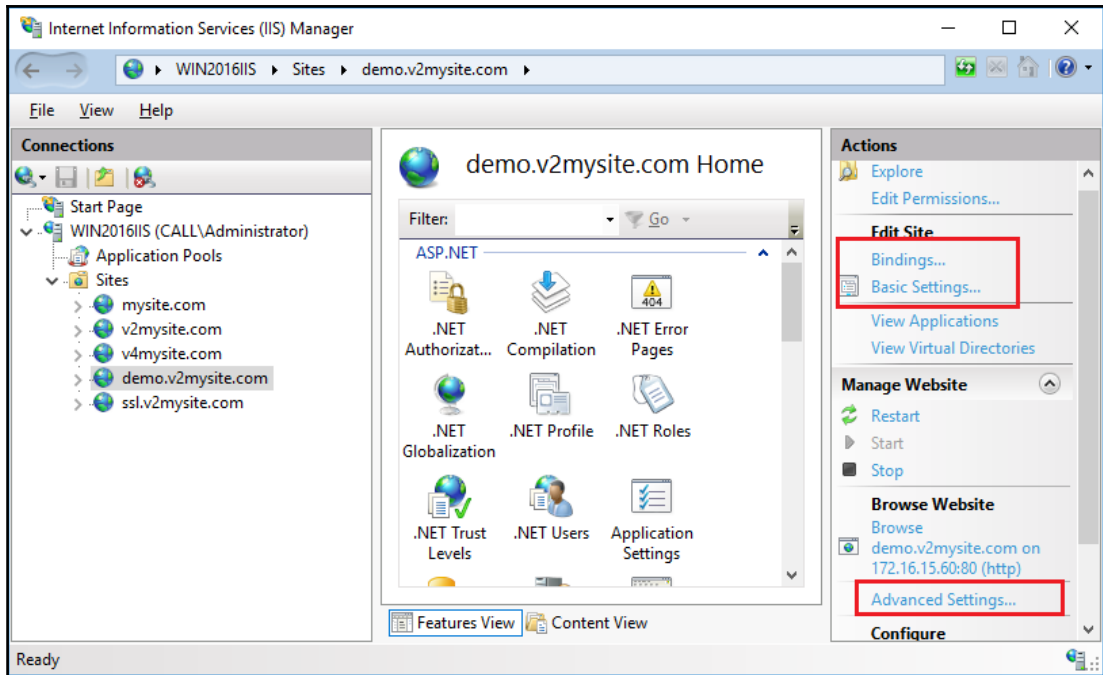


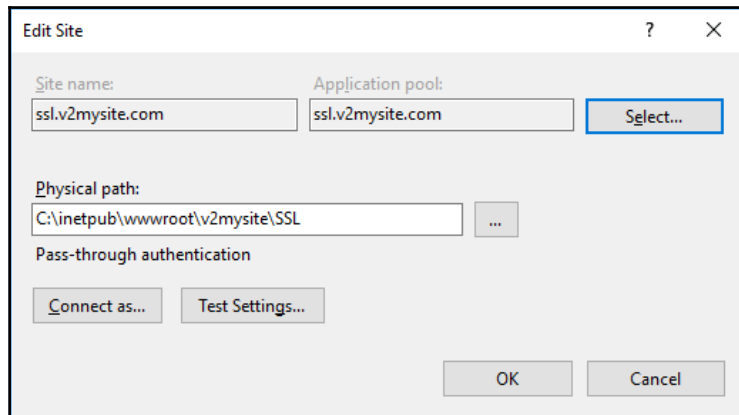
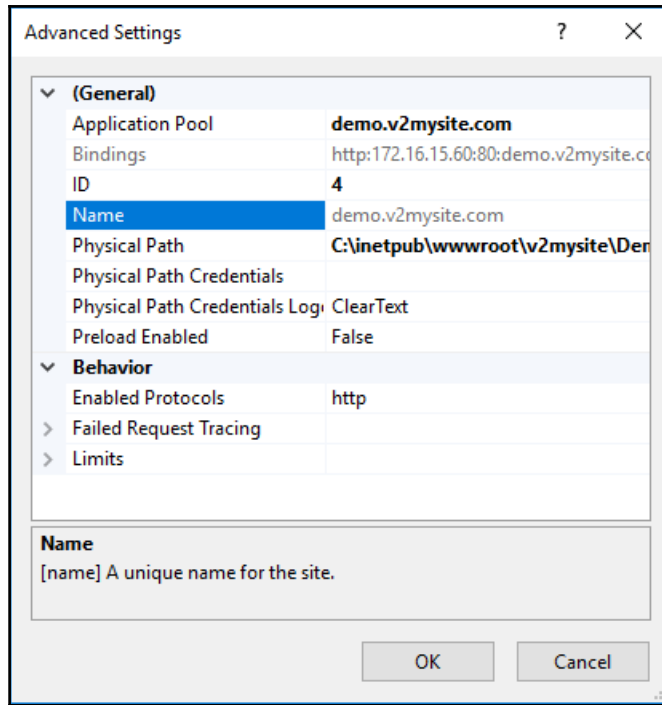
A screenshot of a Notepad window titled 'hosts - Notepad'. The window contains the following text:

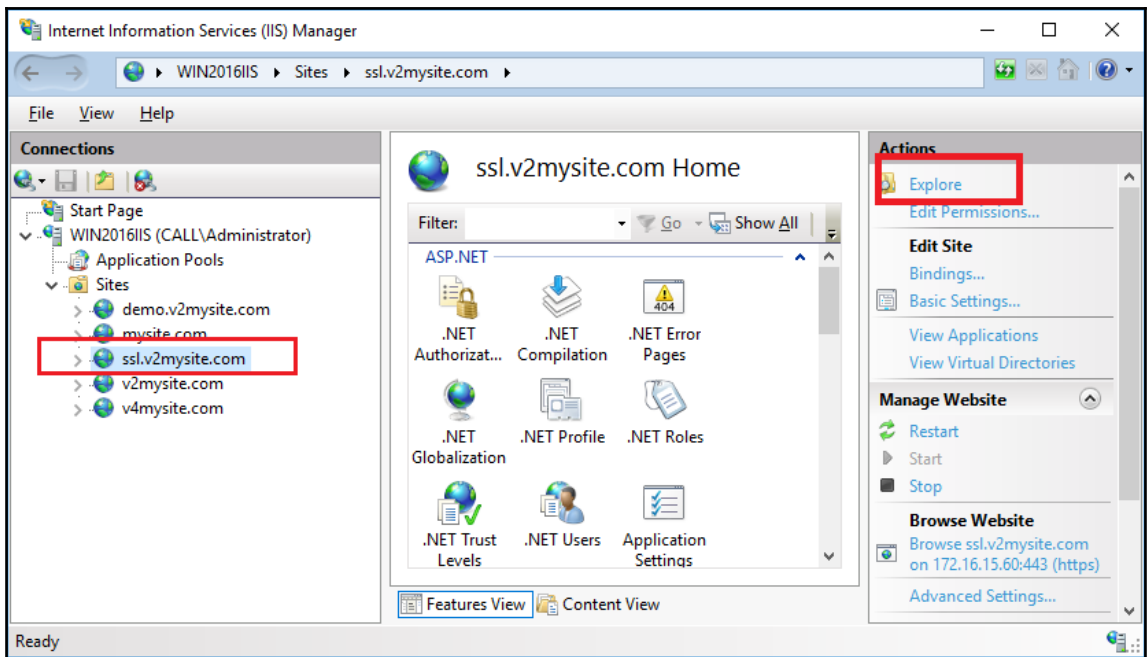
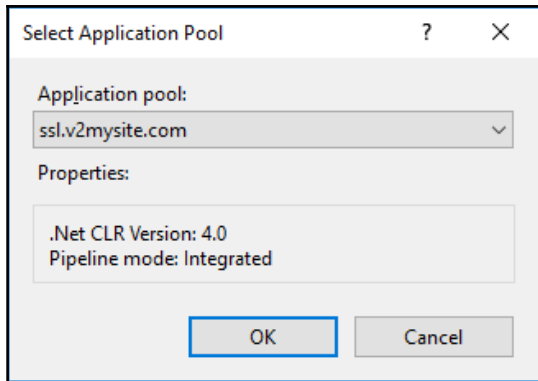
```
File Edit Format View Help
# Copyright (c) 1993-2009 Microsoft Corp.
#
# This is a sample HOSTS file used by Microsoft TCP/IP for Windows.
#
# This file contains the mappings of IP addresses to host names. Each
# entry should be kept on an individual line. The IP address should
# be placed in the first column followed by the corresponding host name.
# The IP address and the host name should be separated by at least one
# space.
#
# Additionally, comments (such as these) may be inserted on individual
# lines or following the machine name denoted by a '#' symbol.
#
# For example:
#
#   102.54.94.97      rhino.acme.com          # source server
#   38.25.63.10     x.acme.com              # x client host

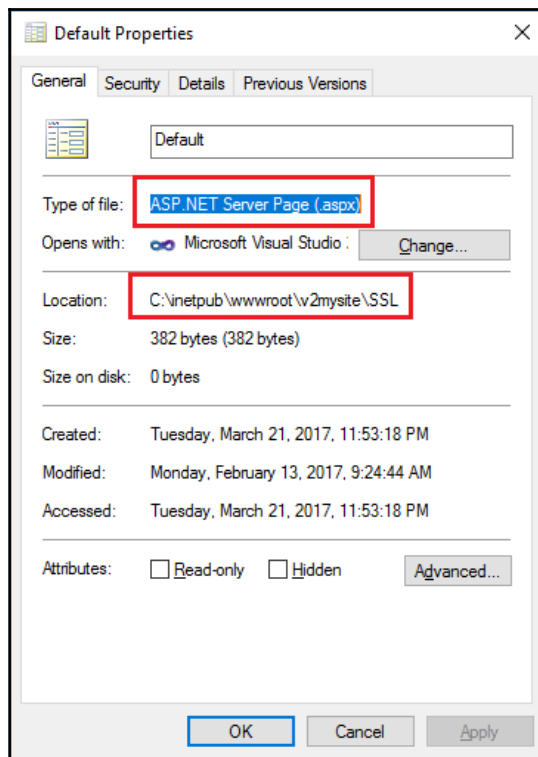
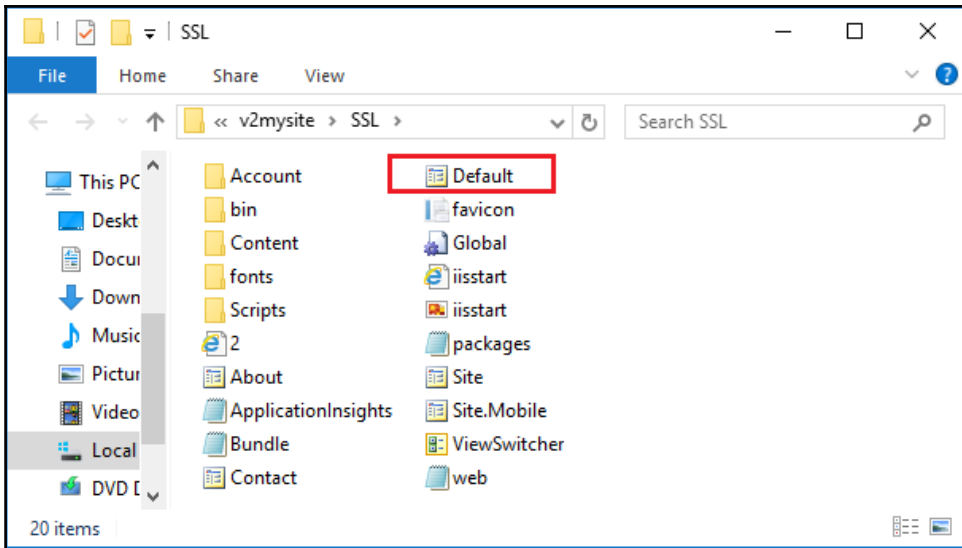
# localhost name resolution is handled within DNS itself.
#   127.0.0.1       localhost
#   ::1             localhost

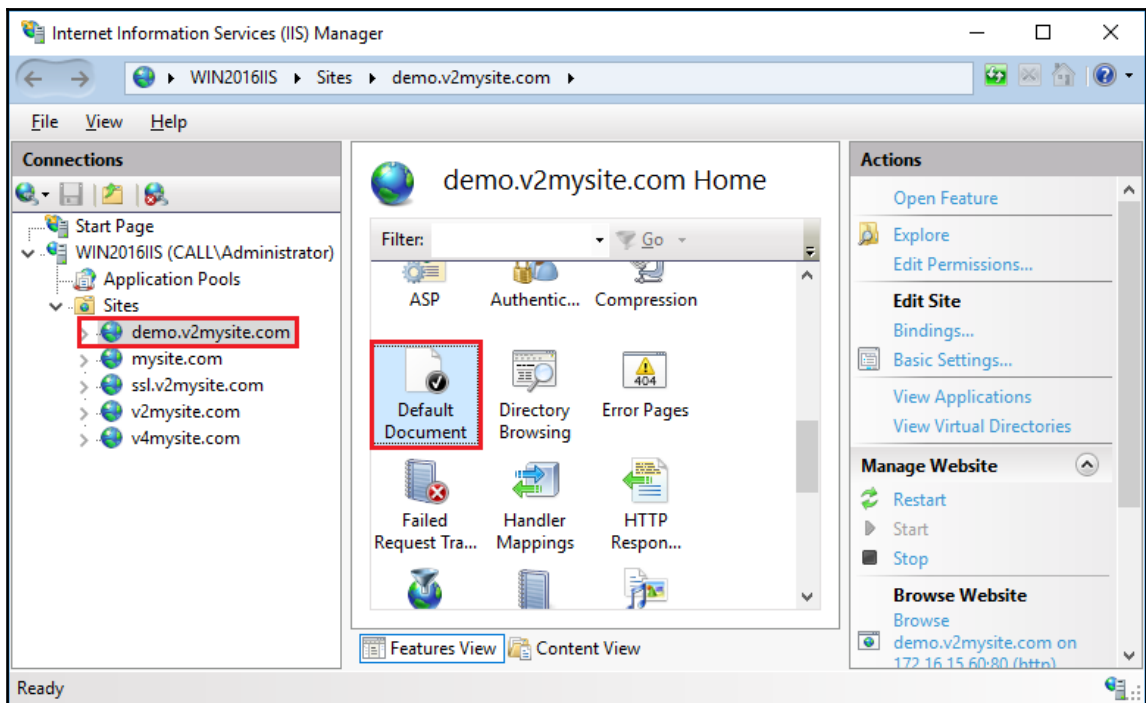
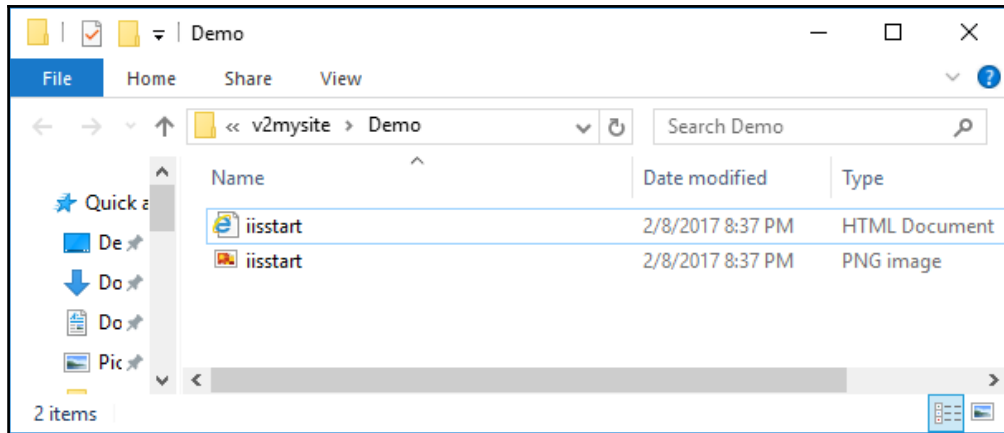
172.16.15.60      mysite.com
172.16.15.60      v2mysite.com
172.16.15.61      v4mysite.com
172.16.15.60      Yobooking.com
172.16.15.60      SSL.v2mysite.com
172.16.15.60      demo.v2mysite.com
```











Internet Information Services (IIS) Manager

WIN2016IIS > Sites > demo.v2mysite.com

File View Help

Connections

- Start Page
- WIN2016IIS (CALL\Administrator)
 - Application Pools
 - Sites
 - demo.v2mysite.com
 - mysite.com
 - ssl.v2mysite.com
 - v2mysite.com
 - v4mysite.com

Default Document

Use this feature to specify the default file(s) to return when a client does not request a specific file. Set default documents in order of priority.

Name	Entry Type
iisstart.htm	Inherited
Default.htm	Inherited
Default.asp	Inherited
index.htm	Inherited
index.html	Inherited
default.aspx	Inherited

Alerts

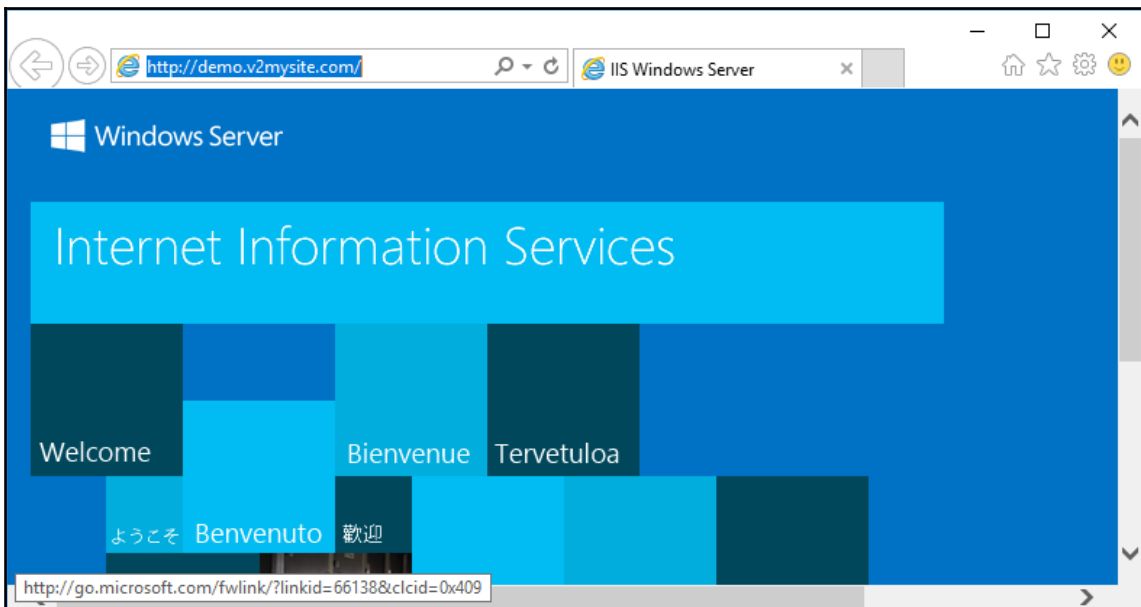
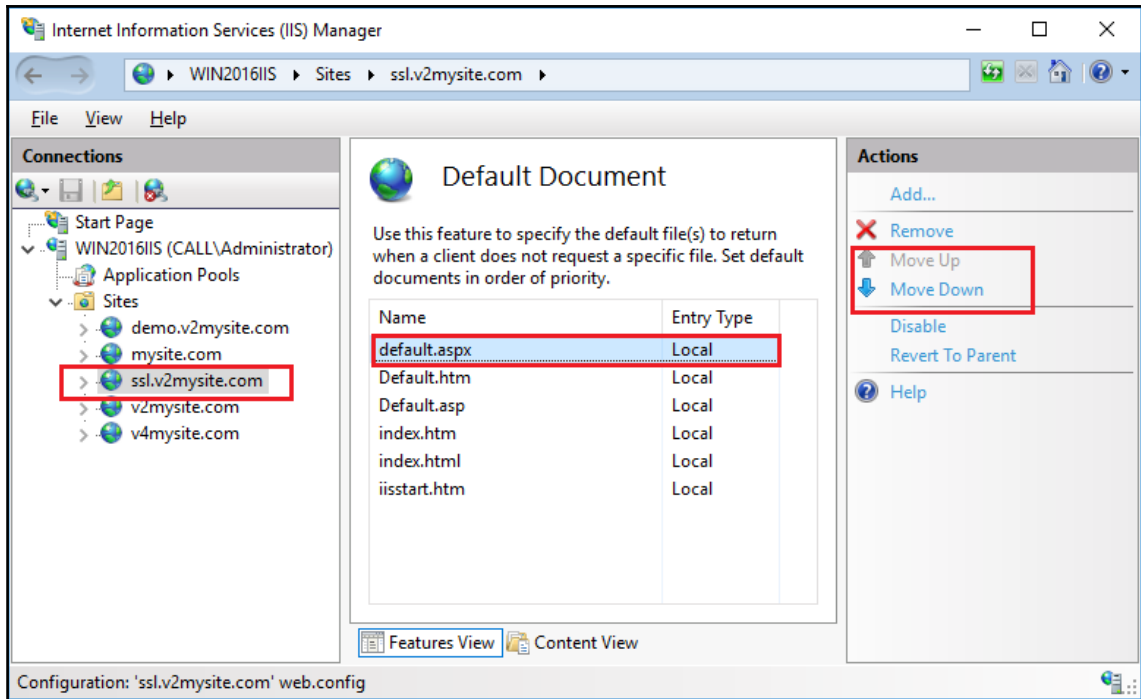
The file 'iisstart.htm' exists in the current directory. It is recommended that you move this file to the top of the list to improve performance.

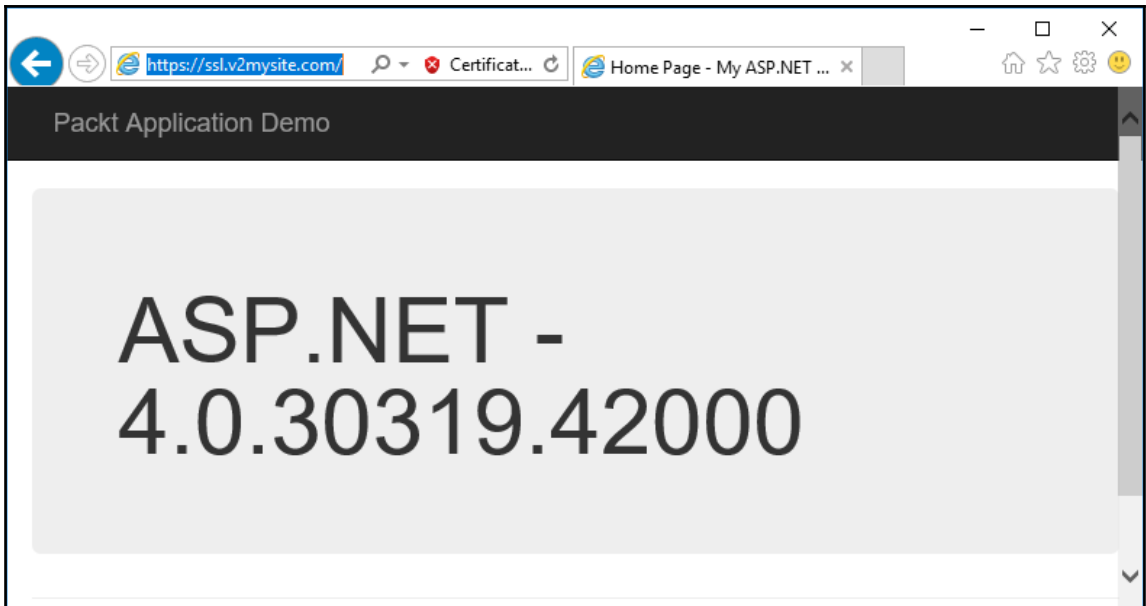
Actions

- Add...
- Remove
- Move Up
- Move Down
- Disable
- Revert To Parent
- Help

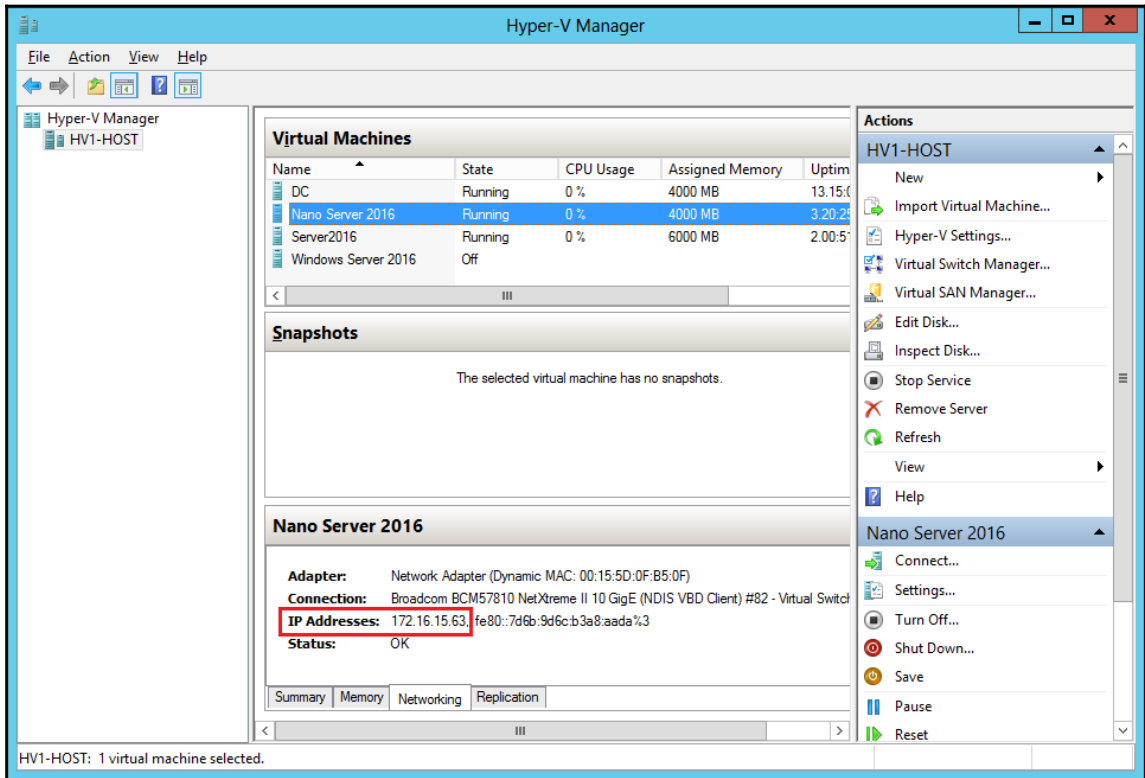
Features View Content View

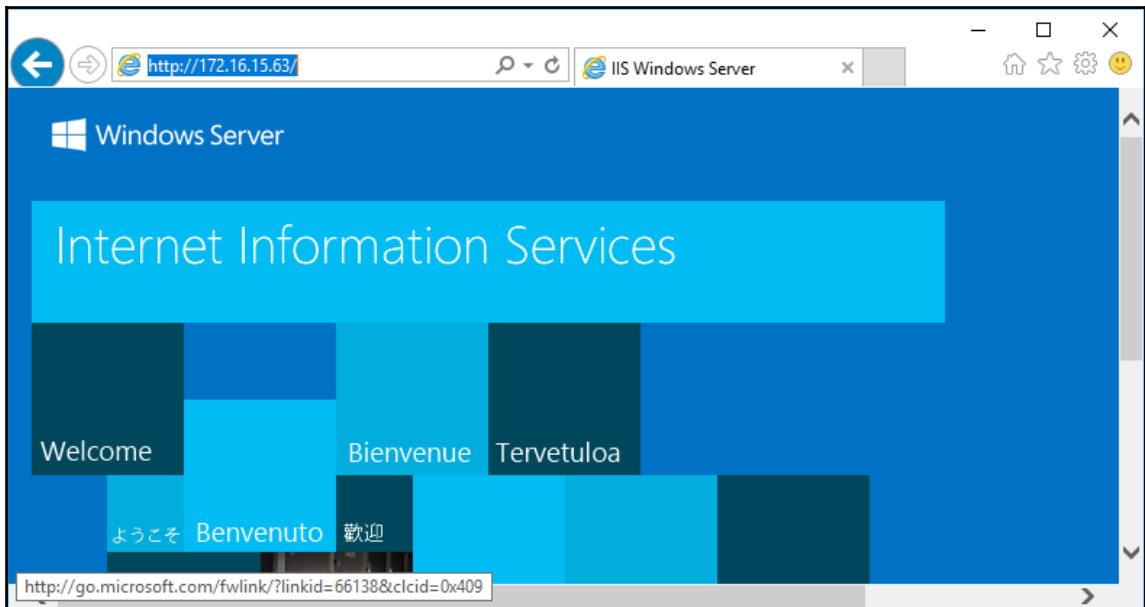
Configuration: 'demo.v2mysite.com' web.config

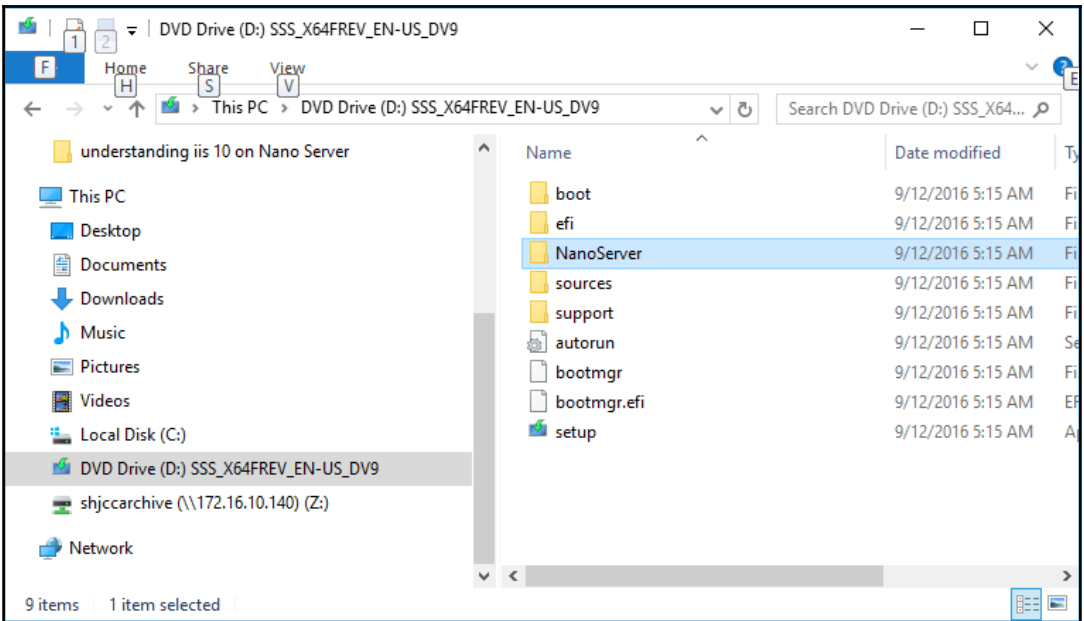
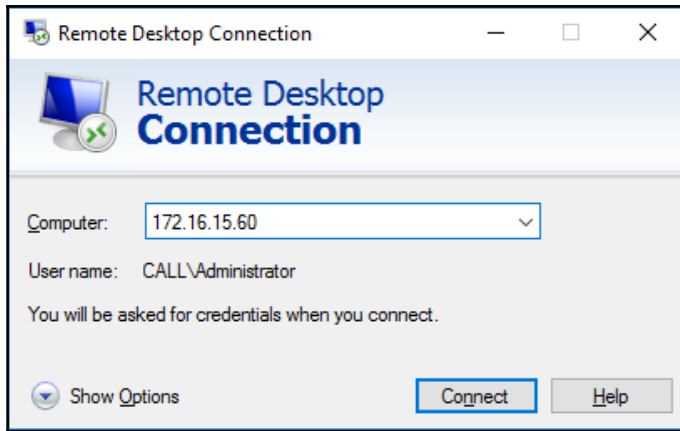


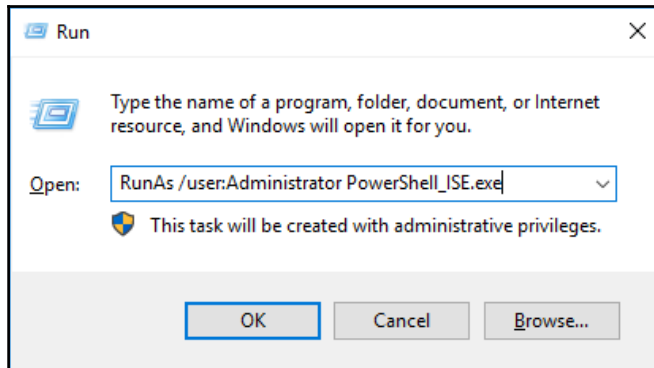
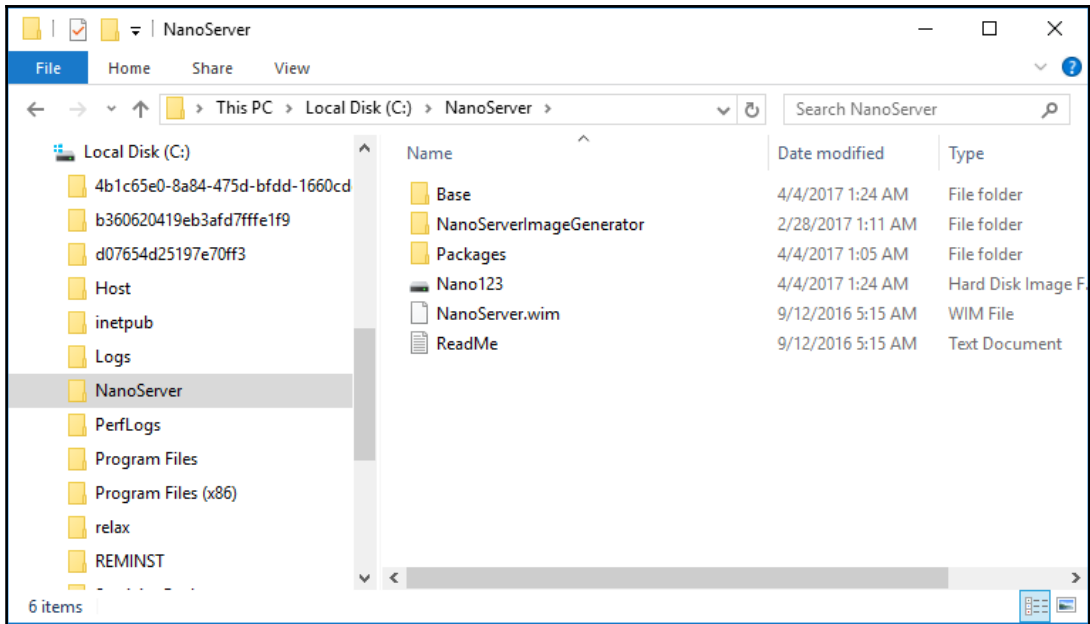


Chapter 7: Deploying IIS 10.0 on Nano Server









The screenshot shows the Windows PowerShell ISE interface. The script being executed is as follows:

```
1 Set-ExecutionPolicy RemoteSigned
2 Import-Module c:\nanoserver\NanoServerImageGenerator -Verbose
3 New-NanoServerImage -Edition Standard -DeploymentType Guest -MediaPath c:\nanose
```

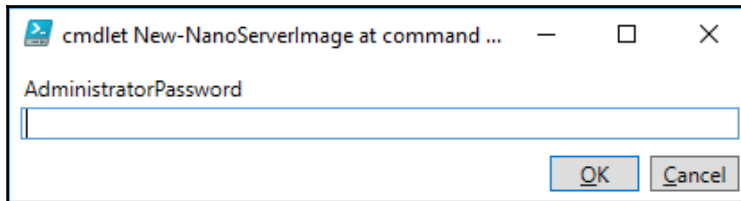
The output of the script is displayed in the console window:

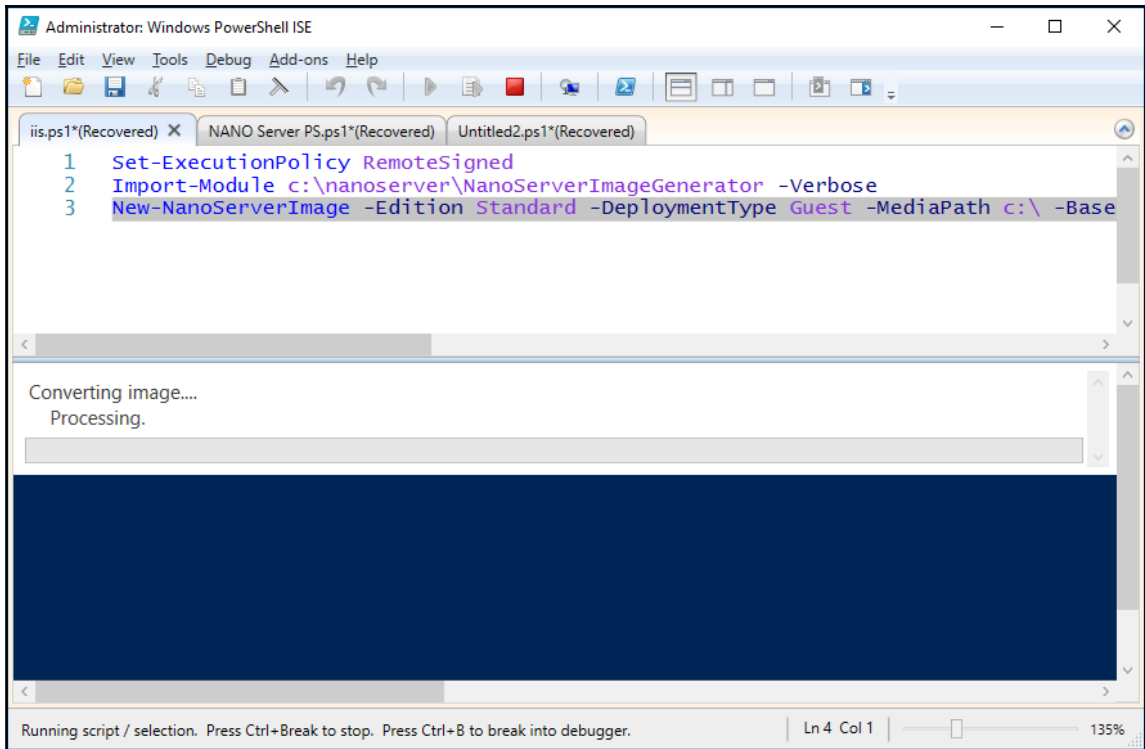
```
PS C:\> Set-ExecutionPolicy RemoteSigned

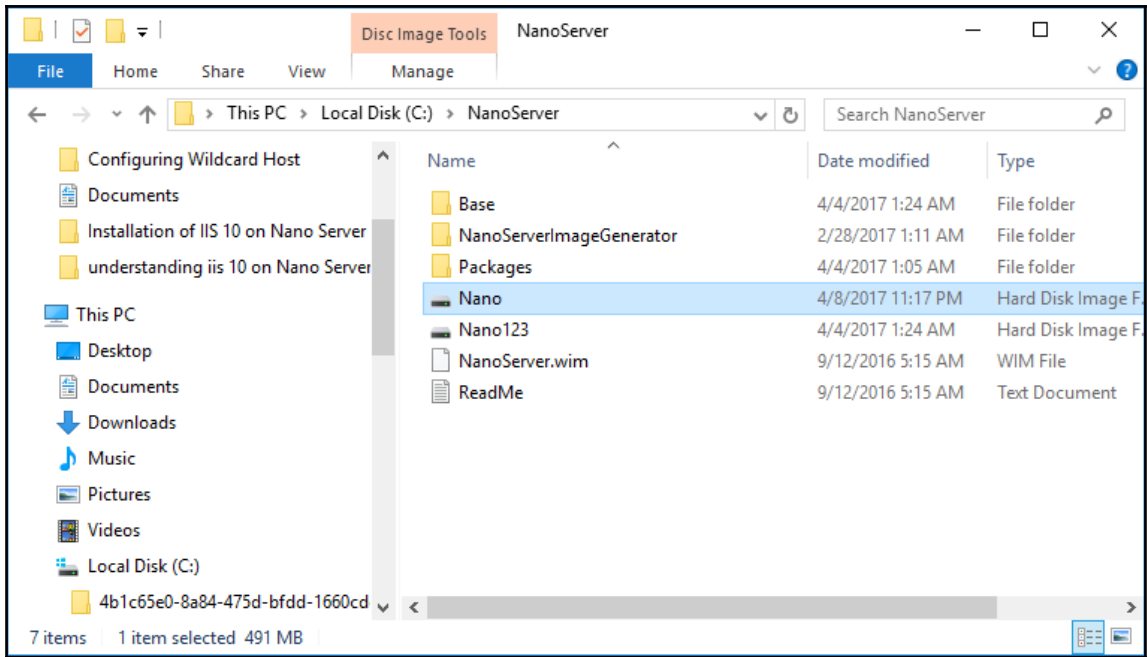
PS C:\> Import-Module c:\nanoserver\NanoServerImageGenerator -Verbose
VERBOSE: Loading module from path 'C:\nanoserver\NanoServerImageGenerator\NanoServerImageGenerator.psd1'.
VERBOSE: Importing function 'Edit-NanoServerImage'.
VERBOSE: Importing function 'Get-NanoServerPackage'.
VERBOSE: Importing function 'New-NanoServerImage'.

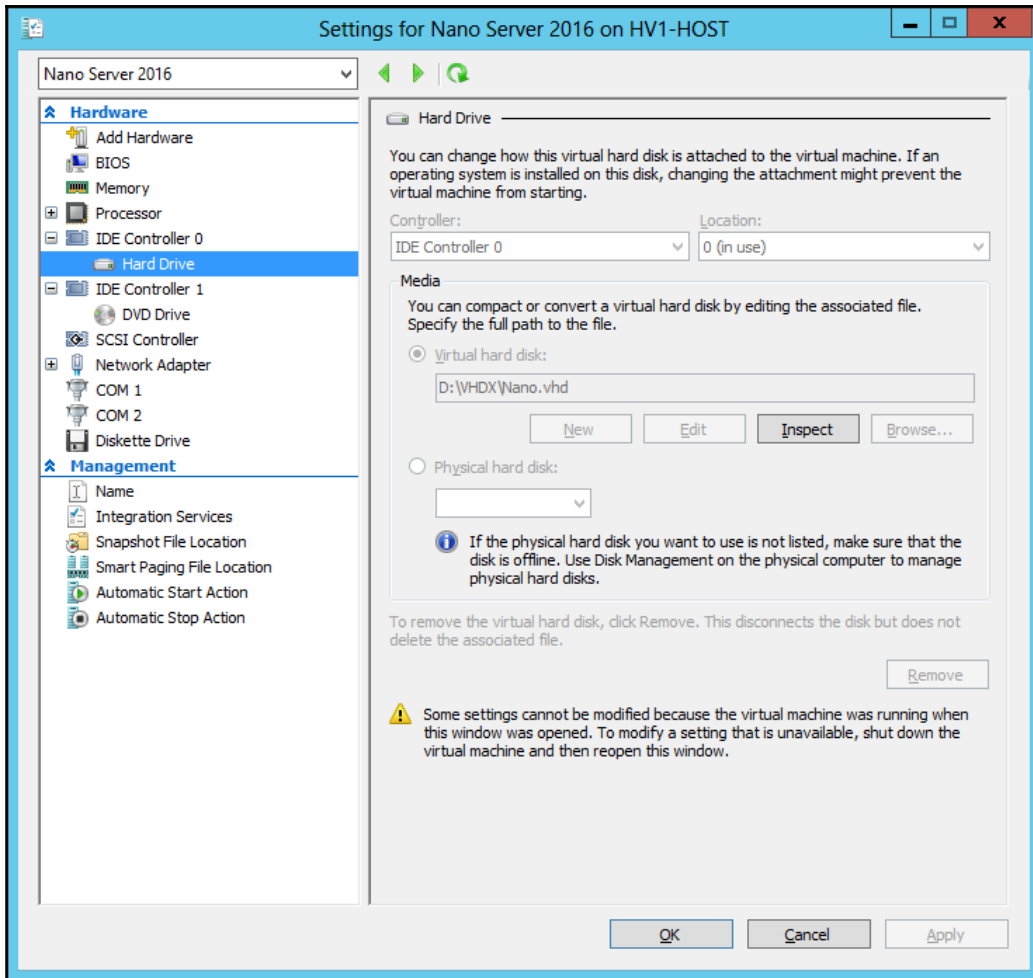
PS C:\>
```

The status bar at the bottom of the ISE indicates "Completed" and "Ln 2 Col 1" with a zoom level of 135%.









Network Adapter Settings

=====
Ethernet

Microsoft Hyper-V Network Adapter

State Started
MAC Address 00-15-5D-0F-B5-0F

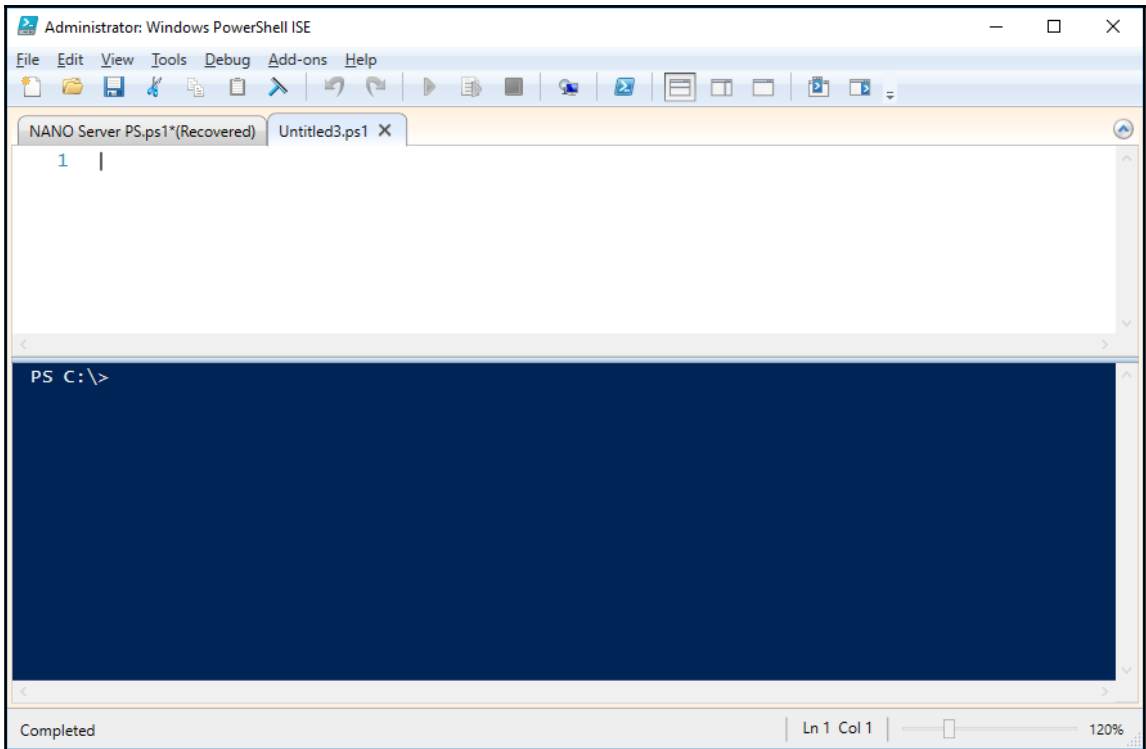
Interface

DHCP Disabled
IPv4 Address 172.16.15.63
Subnet mask 255.255.255.0
Prefix Origin Manual
Suffix Origin Manual

Interface

DHCP Enabled
IPv6 Address fe80::7d6b:9d6c:b3a8:aada
Prefix Length 64
Prefix Origin Well Known
Suffix Origin Link

Up/Dn: Scroll | ESC: Back | F4: Toggle | F10: Routing Table
F11: IPv4 Settings | F12: IPv6 Settings



Administrator: Windows PowerShell ISE

File Edit View Tools Debug Add-ons Help

NANO Server PS.ps1*(Recovered) X Untitled3.ps1*

```
1 Set-Item WSMAN:\localhost\Client\TrustedHosts -Value 172.16.15.63 -Concatenate
2 Enter-PSSession -ComputerName "172.16.15.63" -Credential ~\Administrator
3
```

```
PS C:\> Set-Item WSMAN:\localhost\Client\TrustedHosts -Value 172.16.15.63 -Concatenate
PS C:\> Enter-PSSession -ComputerName "172.16.15.63" -Credential ~\Administrator
[172.16.15.63]: PS C:\Users\Administrator\Documents>
```

Completed | Ln 2 Col 1 | 120%

Administrator: Windows PowerShell ISE

```
File Edit View Tools Debug Add-ons Help
```

NANO Server PS.ps1 X Untitled3.ps1*

```
1 Set-Item WSMAN:\localhost\Client\TrustedHosts -Value 172.16.15.63 -Concatenate
2 Enter-PSSession -ComputerName "172.16.15.63" -Credential ~\Administrator
3 Import-module iisadministration
4 Get-IISSite
```

[172.16.15.63]: PS C:\Users\Administrator\Documents> Import-module iisadministration


[172.16.15.63]: PS C:\Users\Administrator\Documents> Get-IISSite

Name	ID	State	Physical Path	Bindings
Default Web Site	1	Started	%SystemDrive%\inetpub\wwwroot	http *:80:

[172.16.15.63]: PS C:\Users\Administrator\Documents>

Completed | Ln 4 Col 1 | 120%

Windows PowerShell credential request ? X

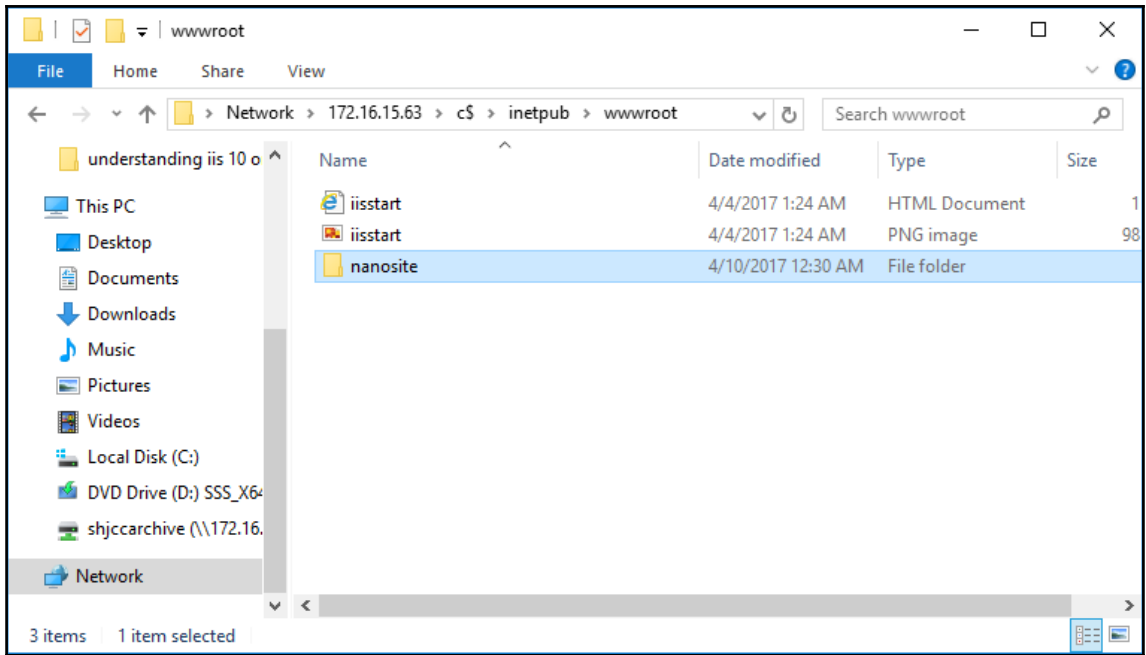


Enter your credentials.

User name:

Password:

OK Cancel



Administrator: Windows PowerShell ISE

File Edit View Tools Debug Add-ons Help

NANO Server PS.ps1* X Untitled3.ps1*

```
1 Set-Item WSMAN:\localhost\Client\TrustedHosts -Value 172.16.15.63 -Concatenate
2 Enter-PSSession -ComputerName "172.16.15.63" -Credential ~\Administrator
3 Import-module iisadministration
4 Get-IISSite
5 Stop-IISSite -Name "Default Web Site"
6 Get-IISSite
7 Start-IISSite -Name "Default Web Site"
8 New-IISSite -Name nanosite.com -BindingInformation "*:8080:" -PhysicalPath c:\inetpub\wwwro
```

[172.16.15.63]: PS C:\Users\Administrator\Documents> New-IISSite -Name nanosite.com -BindingInfor

[172.16.15.63]: PS C:\Users\Administrator\Documents> Get-IISSite

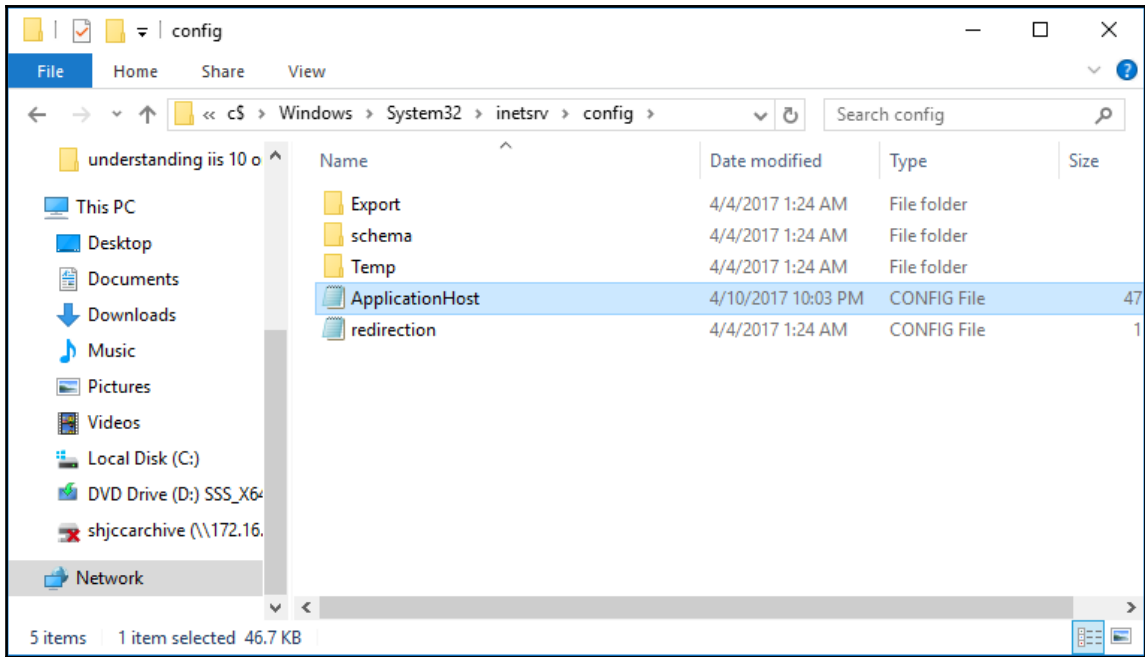
Name	ID	State	Physical Path	Bindings
Default Web Site	1	Started	%SystemDrive%\inetpub\wwwroot	http *:80:
nanosite.com	1607	Started	c:\inetpub\wwwroot\nanosite	http *:8080:

1639

39

[172.16.15.63]: PS C:\Users\Administrator\Documents> |

Ln 69 Col 54 | 120%



```
ApplicationHost - Notepad
File Edit Format View Help
<configuration>

  <!--

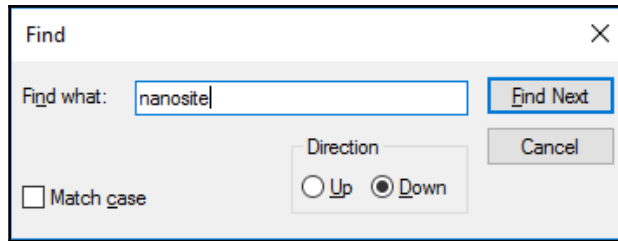
  The &lt;configSections&gt; section controls the registration of sections.
  Section is the basic unit of deployment, locking, searching and
  containment for configuration settings.

  Every section belongs to one section group.
  A section group is a container of logically-related sections.

  Sections cannot be nested.
  Section groups may be nested.

  &lt;section
    name="" [Required, Collection Key] [XML name of the section]
    allowDefinition="Everywhere" [MachineOnly|MachineToApplication|AppHostOnly|Everywhere]
[Level where it can be set]
    overrideModeDefault="Allow" [Allow|Deny] [Default delegation mode]
    allowLocation="true" [true|false] [Allowed in location tags]
  /&gt;

  The recommended way to unlock sections is by using a location tag:
  &lt;location path="Default Web Site" overrideMode="Allow"&gt;
    &lt;system.webServer&gt;
      &lt;asp /&gt;
    &lt;/system.webServer&gt;
  &lt;/location&gt;
```



```
ApplicationHost - Notepad
File Edit Format View Help
</listenerAdapters>
<log>
  <centralBinaryLogFile enabled="true" directory="%SystemDrive%\inetpub\logs
\LogFiles"></centralBinaryLogFile>
  <centralW3CLogFile enabled="true" directory="%SystemDrive%\inetpub\logs
\LogFiles"></centralW3CLogFile>
</log>
<sites>
  <site name="Default Web Site" id="1">
    <application path="/">
      <virtualDirectory path="/" physicalPath="%SystemDrive%\inetpub
\wwwroot"></virtualDirectory>
    </application>
    <bindings>
      <binding protocol="http" bindingInformation="*:801:"></binding>
    </bindings>
  </site>
  <site name="nanosite.com" id="1607163939">
    <application path="/">
      <virtualDirectory path="/" physicalPath="c:\inetpub\wwwroot\nanosite" />
    </application>
    <bindings>
      <binding protocol="http" bindingInformation="*:8080:" />
    </bindings>
  </site>
</sites>
<siteDefaults>
  <logFile logFormat="W3C" directory="%SystemDrive%\inetpub\logs\LogFiles"></logFile>
```

```
ApplicationHost - Notepad
File Edit Format View Help

</listenerAdapters>

<log>
  <centralBinaryLogFile enabled="true" directory="%SystemDrive%\inetpub\logs
\LogFiles"></centralBinaryLogFile>
  <centralW3CLogFile enabled="true" directory="%SystemDrive%\inetpub\logs
\LogFiles"></centralW3CLogFile>
</log>

<sites>
  <site name="Default Web Site" id="1">
    <application path="/">
      <virtualDirectory path="/" physicalPath="%SystemDrive%\inetpub
\wwwroot"></virtualDirectory>
    </application>
    <bindings>
      <binding protocol="http" bindingInformation="*:801:"></binding>
    </bindings>
  </site>
  <site name="nanosite.com" id="1607163939">
    <application path="/">
      <virtualDirectory path="/" physicalPath="c:\inetpub\wwwroot\nanosite" />
    </application>
    <bindings>
      <binding protocol="http" bindingInformation="172.16.15.63:8081:" />
    </bindings>
  </site>
</sites>
<siteDefaults>
  <logFile logFormat="W3C" directory="%SystemDrive%\inetpub\logs\LogFiles"></logFile>
```

Administrator: Windows PowerShell ISE

File Edit View Tools Debug Add-ons Help

Untitled1.ps1 NANO Server PS.ps1 X

```
1 Set-Item WSMAN:\localhost\Client\TrustedHosts -Value 172.16.15.63 -Concatenate
2 Enter-PSSession -ComputerName "172.16.15.63" -Credential ~\Administrator
3 Import-module iisadministration
4 import-module WebAdministration
5 Get-IISSite
6 Stop-IISSite -Name "Default Web Site"
7 Get-IISSite
8 Start-IISSite -Name "Default Web Site"
9 New-IISSite -Name nanosite.com -BindingInformation "*:8080:" -PhysicalPath c:\inetpub\wwwro
```

PS C:\Windows\system32> Set-Item WSMAN:\localhost\Client\TrustedHosts -Value 172.16.15.63 -Concatenate

PS C:\Windows\system32> Enter-PSSession -ComputerName "172.16.15.63" -Credential ~\Administrator

[172.16.15.63]: PS C:\Users\Administrator\Documents> Import-module iisadministration

[172.16.15.63]: PS C:\Users\Administrator\Documents> Get-IISSite

Name	ID	State	Physical Path	Bindings
Default Web Site	1	Started	%SystemDrive%\inetpub\wwwroot	http *:801:
nanosite.com	1607	Started	c:\inetpub\wwwroot\nanosite	http 172.16.15.63:8081:
	1639			
	39			

Completed | Ln 5 Col 1 | 120%

The image shows a screenshot of the Windows PowerShell ISE (Integrated Scripting Environment) running as Administrator. The window title is "Administrator: Windows PowerShell ISE". The menu bar includes File, Edit, View, Tools, Debug, Add-ons, and Help. The toolbar contains various icons for file operations and execution. Two tabs are open: "Untitled1.ps1" and "NANO Server PS.ps1* X".

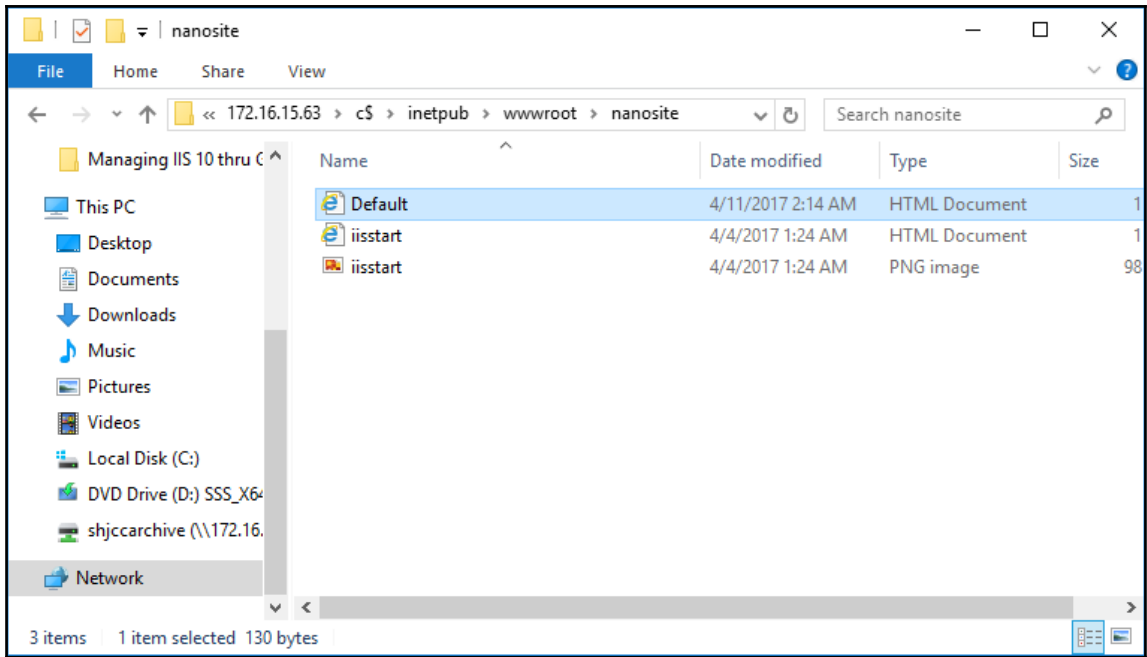
The script in the "NANO Server PS.ps1" tab contains the following commands:

```
8 Start-IISSite -Name "nanosite.com"  
9 New-IISSite -Name nanosite.com -BindingInformation " *:8080:" -PhysicalPath c:\inetpub\wwwro  
10 cls  
11 "Welcome to IIS on Nano Server by Ashraf Khan This Nanosite.com" | Out-File -PSPath "c:\ine
```

The execution output in the console shows the following:

```
[172.16.15.63]: PS C:\Users\Administrator\Documents> "Welcome to IIS on Nano Server by Ashraf Kha  
[172.16.15.63]: PS C:\Users\Administrator\Documents>
```

The status bar at the bottom indicates "Completed", "Ln 11 Col 121", and a zoom level of "120%".



The screenshot shows the Windows PowerShell ISE interface. The script being executed is as follows:

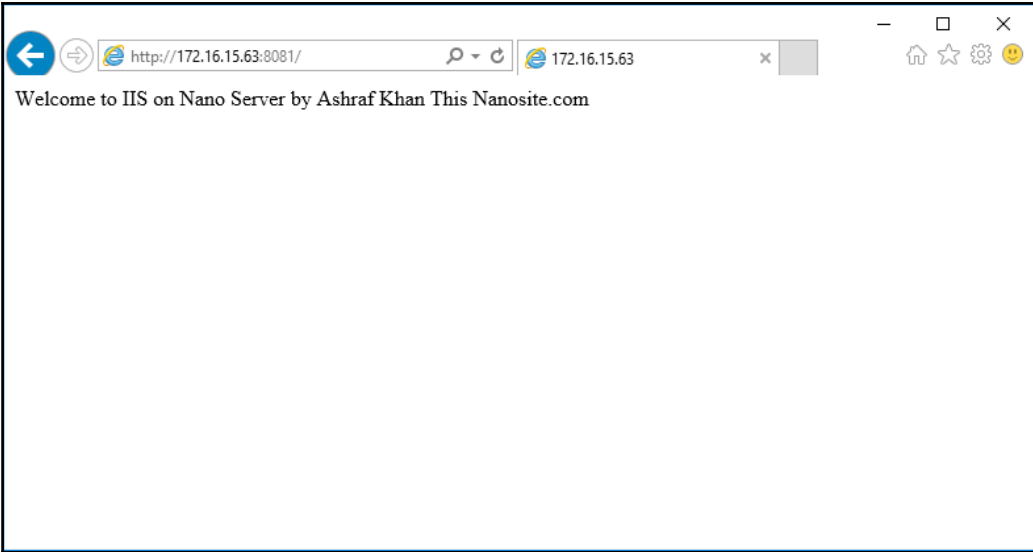
```
8 Start-IISSite -Name "nanosite.com"
9 New-IISSite -Name nanosite.com -BindingInformation "*:8080:" -PhysicalPath c:\in
10 cls
11 "Welcome to IIS on Nano Server by Ashraf Khan This Nanosite.com" | Out-File -PSP
12 New-NetFirewallRule -DisplayName "Allow Inbound Port 8081" -Direction Inbound -L
```

The output of the `New-NetFirewallRule` command is shown below:

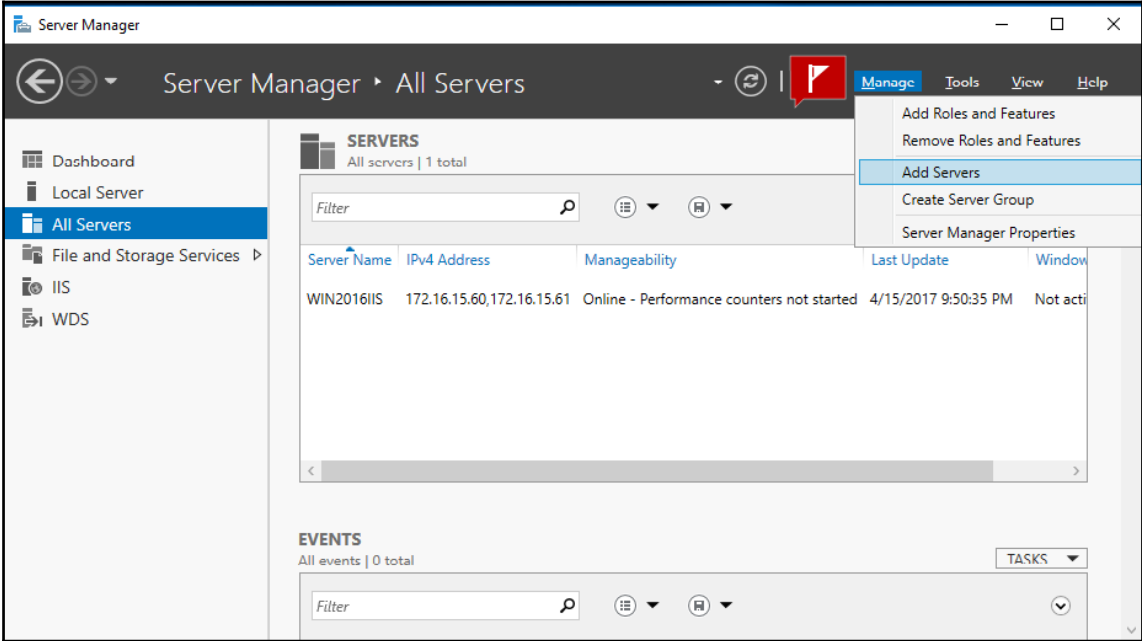
```
[172.16.15.63]: PS C:\Users\Administrator\Documents> New-NetFirewallRule -DisplayName

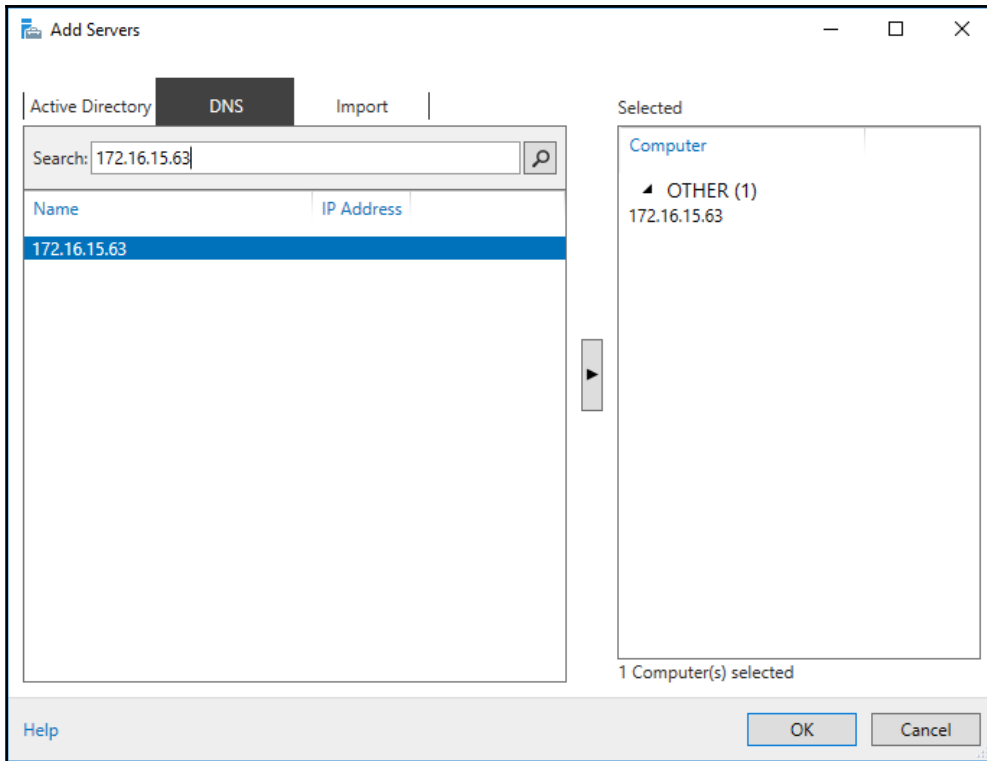
Name                : {46a8cda4-46b1-4582-9577-0c87a6df2d10}
DisplayName          : Allow Inbound Port 8081
Description          :
DisplayGroup        :
Group                :
Enabled              : True
Profile              : Any
Platform             : {}
Direction            : Inbound
Action               : Allow
EdgeTraversalPolicy  : Block
LooseSourceMapping   : False
LocalOnlyMapping     : False
Owner                :
PrimaryStatus        : OK
Status               : The rule was parsed successfully from the store. (65536)
EnforcementStatus    : NotApplicable
PolicyStoreSource    : PersistentStore
PolicyStoreSourceType : Local
```

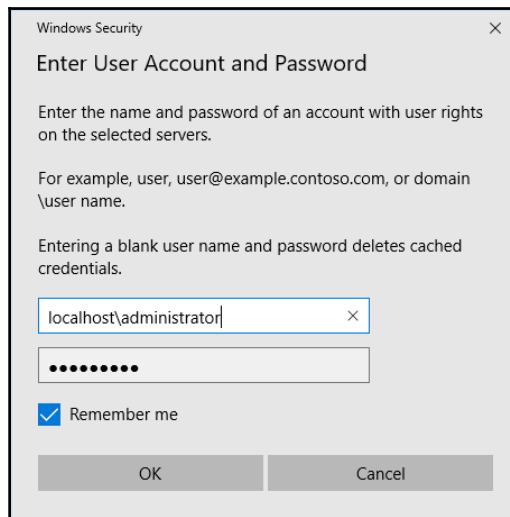
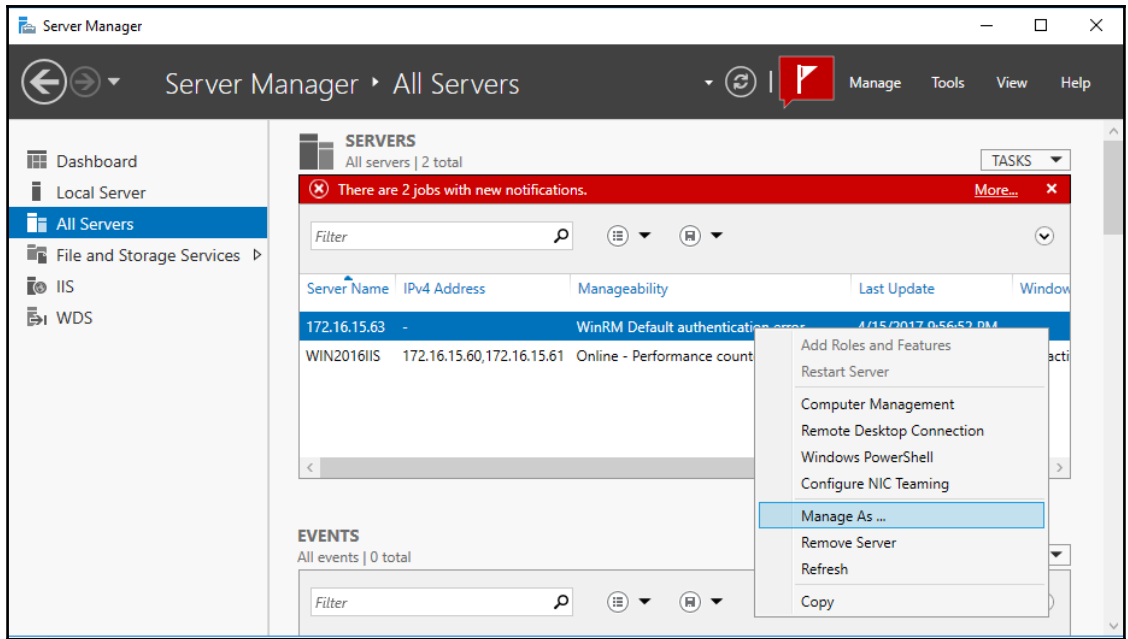
The status bar at the bottom indicates "Completed" and shows the cursor is at line 63, column 1, with a zoom level of 120%.

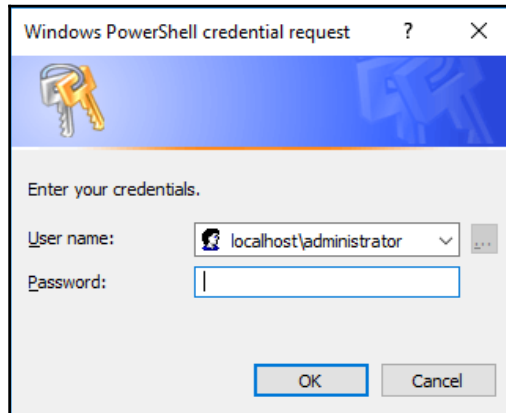
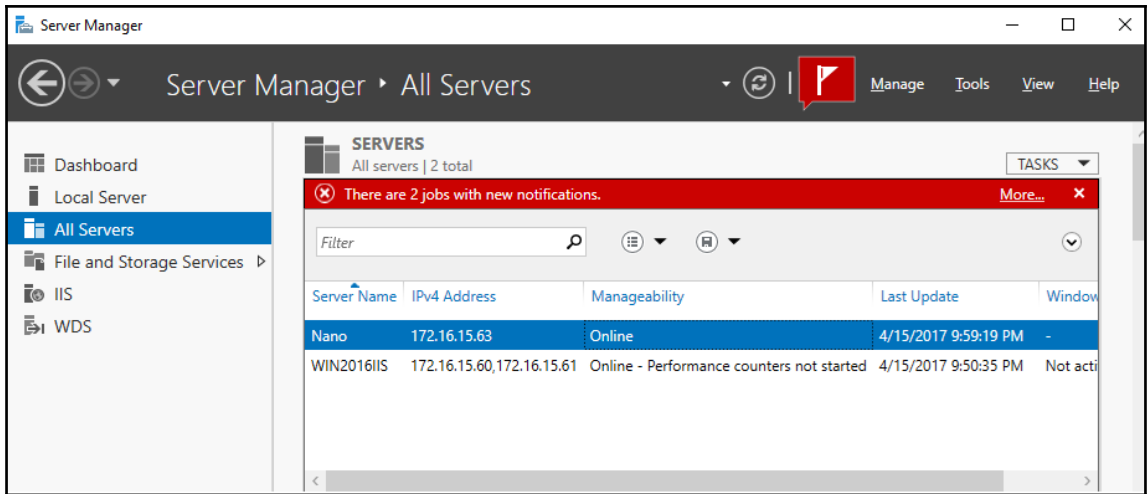


Chapter 8: Configuring IIS Administration with PowerShell Cmdlets









```
Administrator: Windows PowerShell
[172.16.15.63]: PS C:\Users\Administrator\Documents> import-module iisAdministration
[172.16.15.63]: PS C:\Users\Administrator\Documents> Get-IISSite

Name          ID      State      Physical Path          Bindings
-----
Default Web Site 1      Started   %SystemDrive%\inetpub\wwwroot http *:801:
nanosite.com  1607   Started   c:\inetpub\wwwroot\nanosite http 172.16.15.63:8081:
              1639
              39

[172.16.15.63]: PS C:\Users\Administrator\Documents> 
```

The image shows a screenshot of the Windows PowerShell ISE (Integrated Scripting Environment) running as Administrator. The window title is "Administrator: Windows PowerShell ISE". The menu bar includes "File", "Edit", "View", "Tools", "Debug", "Add-ons", and "Help". The toolbar contains various icons for file operations and execution. The script editor shows four tabs: "Untitled1.ps1*", "NANO Server PS.ps1", "Untitled2.ps1*", and "Untitled4.ps1* X". The active script contains the following PowerShell code:

```
1 $manager = Get-IISServerManager
2 $site = $manager.Sites.Add("v5mysite", "http", "*:8082:v5mysite.com", "C:\v5mysite")
3 $site.Id = 4
4 $site.Bindings.Add("*:8083:", "http")
5 $manager.CommitChanges()
```

The console window shows the execution of this script. The output is as follows:

```
[172.16.15.63]: PS C:\Users\Administrator\Documents> $manager = Get-IISServerManager
$site = $manager.Sites.Add("v5mysite", "http", "*:8082:v5mysite.com", "C:\v5mysite")
$site.Id = 4
$site.Bindings.Add("*:8083:", "http")
$manager.CommitChanges()

protocol bindingInformation sslFlags
-----
http      *:8083:          None

[172.16.15.63]: PS C:\Users\Administrator\Documents>
```

The status bar at the bottom indicates "Completed" and shows the cursor is at "Ln 5 Col 25" with a zoom level of "120%".

Administrator: Windows PowerShell ISE

File Edit View Tools Debug Add-ons Help

Untitled1.ps1* NANO Server PS.ps1 Untitled2.ps1* Untitled4.ps1* X

```
1 $manager = Get-IISServerManager
2 $site = $manager.Sites.Add("v5mysite", "http", "*:8082:v5mysite.com", "C:\v5mysite")
3 $site.Id = 4
4 $site.Bindings.Add("*:8083:", "http")
5 $manager.CommitChanges()
```

Default Web Site	1607	Started	c:\inetpub\wwwroot\DefaultWebSite	http 172.16.15.63:8081
nanosite	1639		c:\inetpub\wwwroot\nanosite	http 172.16.15.63:8081
v5mysite	4	Started	C:\v5mysite	http *:8082:v5mysite.com http *:8083:

[172.16.15.63]: PS C:\Users\Administrator\Documents>

Ln 54 Col 1 | 120%

The image shows a screenshot of the Windows PowerShell ISE (Integrated Scripting Environment) running as Administrator. The window title is "Administrator: Windows PowerShell ISE". The interface includes a menu bar (File, Edit, View, Tools, Debug, Add-ons, Help) and a toolbar with various icons for file operations and execution. The script editor shows a file named "NANO Server PS.ps1" with the following PowerShell code:

```
1 Import-Module IISAdministration
2 $manager = Get-IISServerManager
3 $pool = $manager.ApplicationPools.Add("NanoAPP")
4 $pool.ManagedPipelineMode = "Integrated"
5 $pool.ManagedRuntimeVersion = "v4.0"
6 $pool.Enable32BitAppOnWin64 = $false
7 $pool.AutoStart = $true
8 $pool.StartMode = "OnDemand"
9 $pool.ProcessModel.IdentityType = "ApplicationPoolIdentity"
10 $manager.CommitChanges()
11
```

The console window below the script editor shows the execution of the script on a remote server [172.16.15.63]. The output is as follows:

```
[172.16.15.63]: PS C:\Users\Administrator\Documents> Import-Module IISAdministration
$manager = Get-IISServerManager
$pool = $manager.ApplicationPools.Add("NanoAPP")
$pool.ManagedPipelineMode = "Integrated"
$pool.ManagedRuntimeVersion = "v4.0"
$pool.Enable32BitAppOnWin64 = $false
$pool.AutoStart = $true
$pool.StartMode = "OnDemand"
$pool.ProcessModel.IdentityType = "ApplicationPoolIdentity"
$manager.CommitChanges()

[172.16.15.63]: PS C:\Users\Administrator\Documents>
```

The status bar at the bottom of the window indicates "Completed", "Ln 1 Col 1", and a zoom level of "120%".

The screenshot shows the Windows PowerShell ISE interface. The script in the editor performs the following actions:

- Imports the IISAdministration module.
- Retrieves the IIS Server Manager object.
- Creates a new application pool named "NanoAPP".
- Configures the application pool with the following properties:
 - ManagedPipelineMode: Integrated
 - ManagedRuntimeVersion: v4.0
 - Enable32BitAppOnWin64: false
 - AutoStart: true
 - StartMode: OnDemand
 - ProcessModel.IdentityType: ApplicationPoolIdentity
- Commits the changes.

The output of the `get-iiappool` command is shown below:

```
[172.16.15.63]: PS C:\Users\Administrator\Documents> get-iiappool
```

Name	Status	CLR Ver	Pipeline Mode	Start Mode
DefaultAppPool	Started		Integrated	OnDemand
testpool	Started	v4.0	Integrated	OnDemand
NanoAPP	Started	v4.0	Integrated	OnDemand

```
[172.16.15.63]: PS C:\Users\Administrator\Documents>
```

The status bar at the bottom indicates the cursor is at line 20, column 1, and the zoom level is 120%.

The image shows a screenshot of the Windows PowerShell ISE (Integrated Scripting Environment) running as Administrator. The window title is "Administrator: Windows PowerShell ISE". The menu bar includes "File", "Edit", "View", "Tools", "Debug", "Add-ons", and "Help". The toolbar contains various icons for file operations and execution. The editor shows five tabs: "Untitled1.ps1*", "NANO Server PS.ps1", "Untitled2.ps1*", "Untitled4.ps1*", and "Untitled5.ps1* X". The active tab contains the following PowerShell code:

```
1 $manager = Get-IISServerManager
2 # Assign to a website
3 $website = $manager.Sites["v5mysite"]
4 $website.Applications["/"].ApplicationPoolName = "NanoAPP"
5 $manager.CommitChanges()
```

The console output shows the execution of the code on a remote server [172.16.15.63]:

```
[172.16.15.63]: PS C:\Users\Administrator\Documents> $manager = Get-IISServerManager
# Assign to a website
$website = $manager.Sites["v5mysite"]
$website.Applications["/"].ApplicationPoolName = "NanoAPP"
$manager.CommitChanges()

[172.16.15.63]: PS C:\Users\Administrator\Documents>
```

The status bar at the bottom indicates "Completed", "Ln 5 Col 25", and a zoom level of "120%".

Administrator: Windows PowerShell ISE

File Edit View Tools Debug Add-ons Help

Untitled1.ps1* NANO Server PS.ps1 Untitled2.ps1* Untitled4.ps1* Untitled5.ps1* X

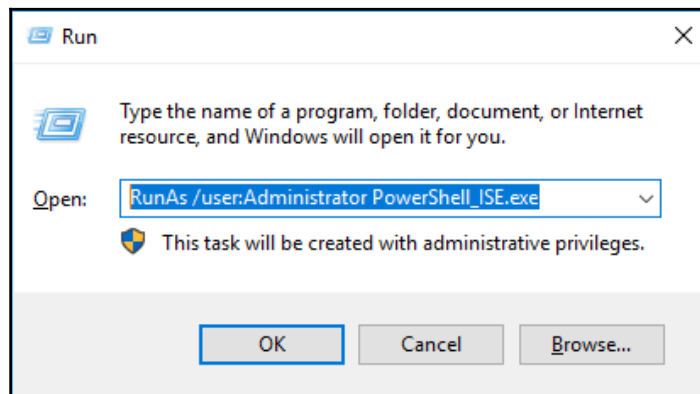
```
1 $manager = Get-IISServerManager
2 $website = $manager.Sites["v5mysite"]
3 $website.Applications["/"].ApplicationPoolName
4 |
```

[172.16.15.63]: PS C:\Users\Administrator\Documents> \$manager = Get-IISServerManager
\$website = \$manager.Sites["v5mysite"]
\$website.Applications["/"].ApplicationPoolName

NanoAPP

[172.16.15.63]: PS C:\Users\Administrator\Documents>

Completed | Ln 4 Col 1 | 120%



Administrator: Windows PowerShell ISE

File Edit View Tools Debug Add-ons Help

Untitled1.ps1* NANO Server PS.ps1 Untitled6.ps1* Untitled7.ps1* X

```
1 Get-IISAppPool
2 $sm = Get-IISServerManager
3 $sm.ApplicationPools["NanoAPP"].Recycle()
```

[172.16.15.63]: PS C:\Users\Administrator\Documents> Get-IISAppPool
\$sm = Get-IISServerManager
\$sm.ApplicationPools["NanoAPP"].Recycle()

Name	Status	CLR Ver	Pipeline Mode	Start Mode
DefaultAppPool	Started		Integrated	OnDemand
testpool	Started	v4.0	Integrated	OnDemand
NanoAPP	Started	v4.0	Integrated	OnDemand

[172.16.15.63]: PS C:\Users\Administrator\Documents> |

Ln 14 Col 54 | 120%

Administrator: Windows PowerShell ISE

File Edit View Tools Debug Add-ons Help

Untitled1.ps1* NANO Server PS.ps1 Untitled6.ps1* Untitled7.ps1* Untitled8.ps1* X

```
1 Get-IISConfigSection -SectionPath "system.webServer/defaultDocument" | Get-IISConfig
```

[172.16.15.63]: PS C:\Users\Administrator\Documents> Get-IISConfigSection -SectionPath "sys

```
Attributes      : {value}
ChildElements   : {}
ElementTagName  : add
IsLocallyStored : True
Methods         :
RawAttributes   : {[value, Default.htm]}
Schema          : Microsoft.Web.Administration.ConfigurationElementSchema
```

Attributes : {value}
ChildElements : {}
ElementTagName : add

Completed | Ln 1 Col 119 | 120%

The image shows a screenshot of the Windows PowerShell ISE (Integrated Scripting Environment) running as Administrator. The window title is "Administrator: Windows PowerShell ISE". The menu bar includes File, Edit, View, Tools, Debug, Add-ons, and Help. The toolbar contains various icons for file operations and execution. The command prompt shows two lines of PowerShell code:

```
1 Get-IISConfigSection -SectionPath "system.webServer/defaultDocument" | Get-IISConfig
2 Get-IISConfigSection -SectionPath "system.webServer/defaultDocument" | Get-IISConfig
```

The output of the second command is displayed in a dark blue console window. The output is a PowerShell object with the following properties:

```
RawAttributes : {[value, iisstart.htm]}
Schema        : Microsoft.Web.Administration.ConfigurationElementSchema

Attributes    : {value}
ChildElements : {}
ElementTagName : add
IsLocallyStored : True
Methods       :
RawAttributes : {[value, v5mysite.htm]}
Schema        : Microsoft.Web.Administration.ConfigurationElementSchema
```

The output for the second command is highlighted with a red rectangular box. The console prompt shows the current directory as `C:\Users\Administrator\Documents`. The status bar at the bottom indicates "Completed", "Ln 2 Col 1", and "120%" zoom level.

Administrator: Windows PowerShell ISE

File Edit View Tools Debug Add-ons Help

Untitled1.ps1* NANO Server PS.ps1 Untitled6.ps1* Untitled7.ps1* X Untitled8.ps1* Untitled9.ps1*

```
1 cls
2 Get-IISSite v5mysite
3 $manager = Get-IISServerManager
4 $manager.Sites["v5mysite"].Applications["/"].VirtualDirectories["/"].PhysicalPath = "
5 Get-IISSite v5mysite
```

Name	ID	State	Physical Path	Bindings
v5mysite	4	Started	C:\v5mysite	http *:8082:v5mysite.com http *:8083:
v5mysite	4	Started	C:\v5mysite-New	http *:8082:v5mysite.com http *:8083:

[172.16.15.63]: PS C:\Users\Administrator\Documents>

Completed | Ln 4 Col 101 | 120%

The image shows a screenshot of the Windows PowerShell ISE (Integrated Scripting Environment) running as Administrator. The window title is "Administrator: Windows PowerShell ISE". The menu bar includes "File", "Edit", "View", "Tools", "Debug", "Add-ons", and "Help". The toolbar contains various icons for file operations and execution. The script editor shows two lines of code:

```
1 copy C:\inetpub\wwwroot\iisstart.htm C:\v5mysite-new
2 copy C:\inetpub\wwwroot\iisstart.png C:\v5mysite-new
```

The console output shows the execution of these commands on a remote host with IP address 172.16.15.63:

```
[172.16.15.63]: PS C:\Users\Administrator\Documents> copy C:\inetpub\wwwroot\iisstart.htm C
copy C:\inetpub\wwwroot\iisstart.png C:\v5mysite-new
[172.16.15.63]: PS C:\Users\Administrator\Documents>
```

The status bar at the bottom indicates the current position is "Ln 4 Col 54" and the zoom level is "120%".

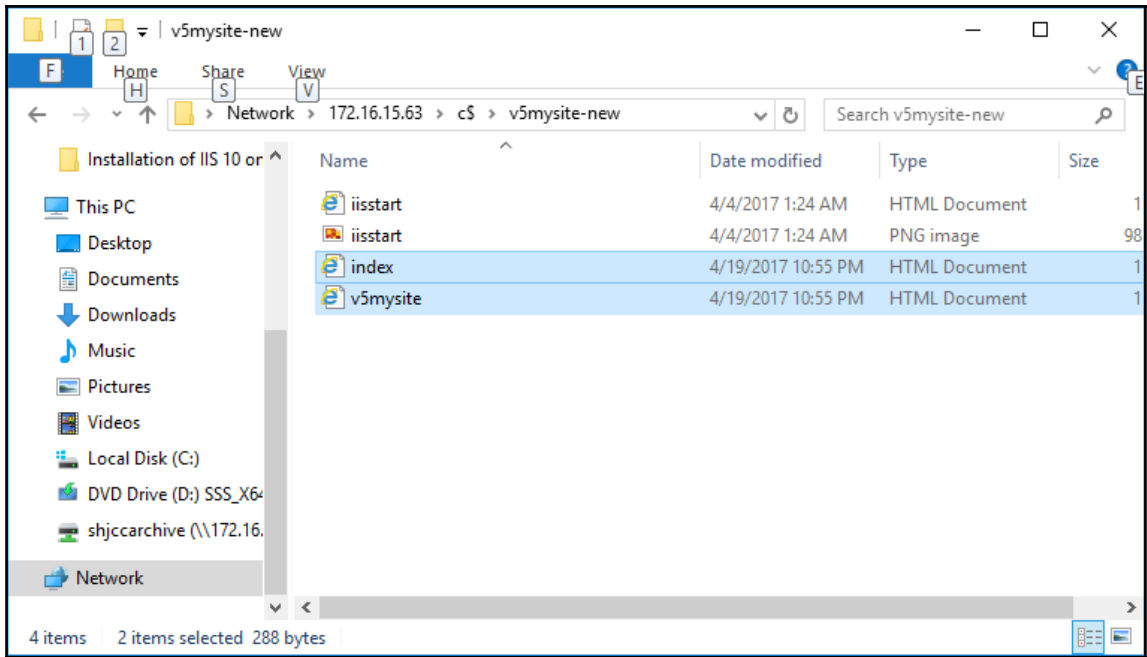
The image shows a screenshot of the Windows PowerShell ISE (Integrated Scripting Environment) running as Administrator. The window title is "Administrator: Windows PowerShell ISE". The menu bar includes "File", "Edit", "View", "Tools", "Debug", "Add-ons", and "Help". The toolbar contains various icons for file operations and execution. The script editor shows two lines of PowerShell code:

```
1 "Welcome to IIS on Nano Server by Ashraf Khan This is Index.htm page" | Out-File -PSF
2 "Welcome to IIS on Nano Server by Ashraf Khan This is v5mysite.htm page " | Out-File
```

The console window below shows the execution output:

```
[172.16.15.63]: PS C:\Users\Administrator\Documents> "Welcome to IIS on Nano Server by Ashraf Khan This is Index.htm page" | Out-File -PSF
[172.16.15.63]: PS C:\Users\Administrator\Documents> "Welcome to IIS on Nano Server by Ashraf Khan This is v5mysite.htm page " | Out-File -PSF
[172.16.15.63]: PS C:\Users\Administrator\Documents>
```

The status bar at the bottom indicates "Completed", "Ln 1 Col 1", and a zoom level of "120%".



```
ApplicationHost - Notepad
File Edit Format View Help

<sites>
  <site name="Default Web Site" id="1">
    <application path="/">
      <virtualDirectory path="/" physicalPath="%SystemDrive%\inetpub
\wwwroot"></virtualDirectory>
    </application>
    <bindings>
      <binding protocol="http" bindingInformation="*:801:"></binding>
    </bindings>
  </site>
  <site name="nanosite.com" id="1607163939">
    <application path="/">
      <virtualDirectory path="/" physicalPath="c:\inetpub\wwwroot
\nanosite"></virtualDirectory>
    </application>
    <bindings>
      <binding protocol="http" bindingInformation="172.16.15.63:8081:"></binding>
    </bindings>
  </site>
  <site name="v5mysite" id="4">
    <application path="/">
      <virtualDirectory path="/" physicalPath="C:\v5mysite" />
    </application>
    <bindings>
      <binding protocol="http" bindingInformation="*:8082:" />
    </bindings>
  </site>
</sites>
<siteDefaults>
  <logFile logFormat="W3C" directory="%SystemDrive%\inetpub\logs\LogFiles"></logFile>
```

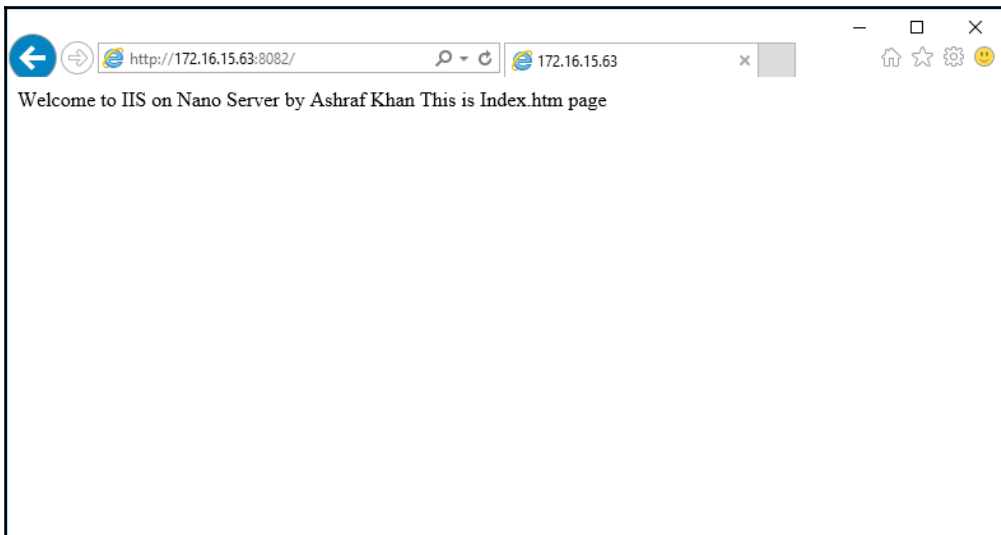
The screenshot shows the Windows PowerShell ISE interface. The top menu bar includes File, Edit, View, Tools, Debug, Add-ons, and Help. The toolbar contains various icons for file operations and execution. The editor has four tabs: Untitled1.ps1*, NANO Server PS.ps1, Untitled9.ps1*, and Untitled12.ps1*. The active tab (Untitled12.ps1*) contains the following PowerShell script:

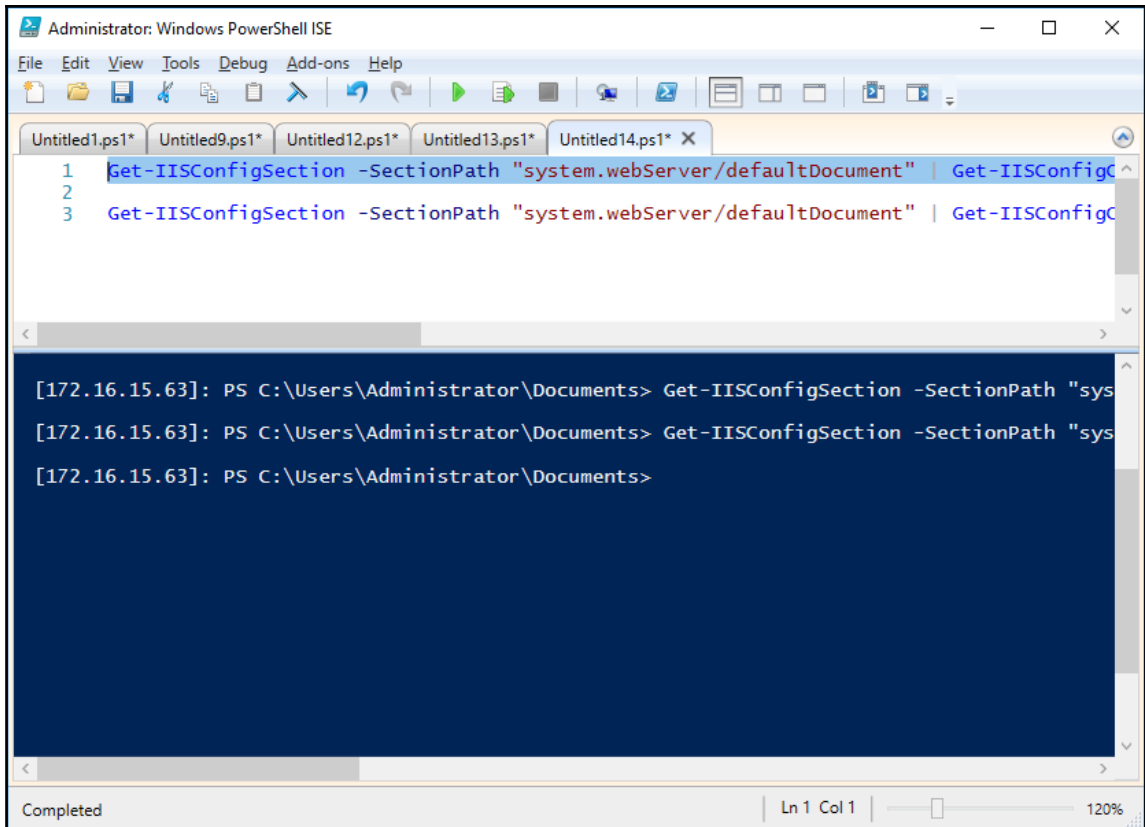
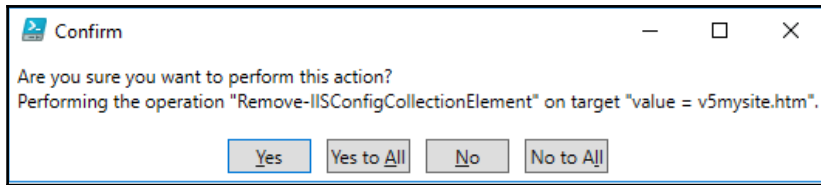
```
1 | Port 8082" -Direction Inbound -LocalPort 8082 -Protocol TCP -Action Allow
2 |und Port 8082,8083"
3 | Port 8082,8083"
```

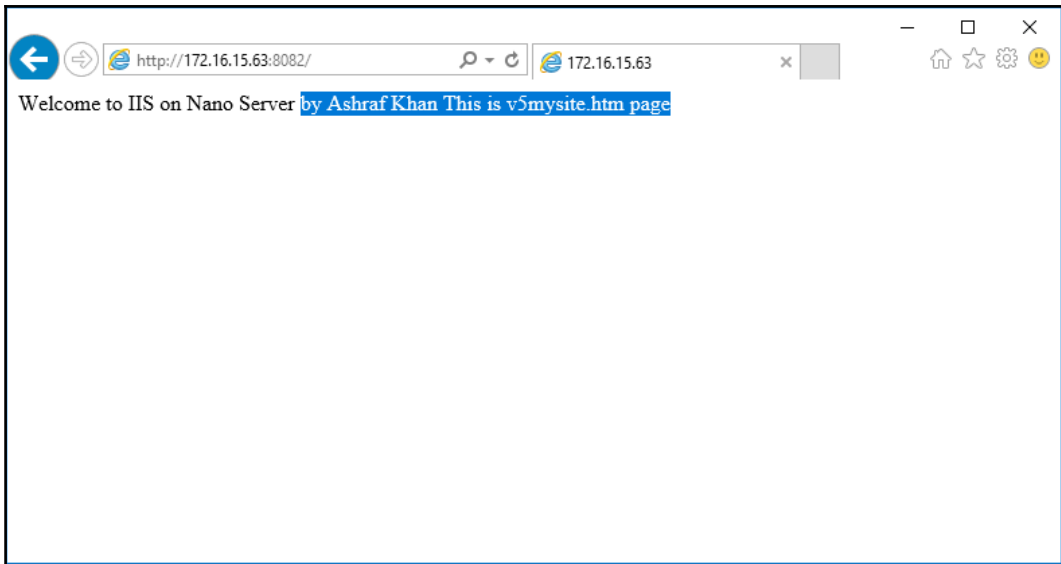
The console window below the editor shows the execution of the command: `[172.16.15.63]: PS C:\Users\Administrator\Documents> New-NetFirewallRule -DisplayName "Allow`. The output displays the properties of the newly created firewall rule:

```
Name : {1e370634-9eb1-4294-9a95-3c60eda6f70b}
DisplayName : Allow Inbound Port 8082
Description :
DisplayGroup :
Group :
Enabled : True
Profile : Any
Platform : {}
Direction : Inbound
Action : Allow
EdgeTraversalPolicy : Block
LooseSourceMapping : False
LocalOnlyMapping : False
Owner :
PrimaryStatus : OK
Status : The rule was parsed successfully from the store. (65536)
```

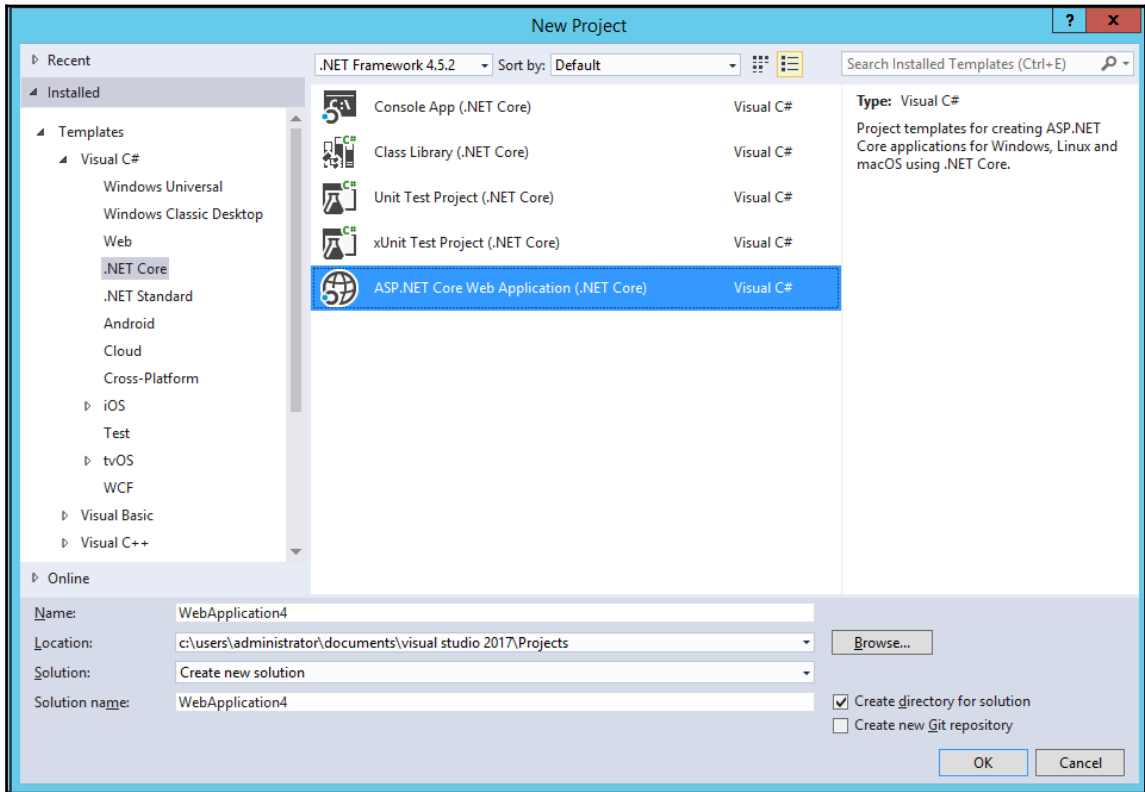
The status bar at the bottom indicates the cursor is at line 27, column 54, and the zoom level is 120%.







Chapter 9: Enabling ASP.NET Core with IIS on Nano Server



New ASP.NET Core Web Application (.NET Core) - WebApplication4

ASP.NET Core 1.1

[Learn more](#)

ASP.NET Core 1.1 Templates



Empty



Web API



Web Application

A project template for creating an ASP.NET Core application with example ASP.NET MVC Views and Controllers. This template can also be used for RESTful HTTP services.

[Learn more](#)

Change Authentication

Authentication: **No Authentication**

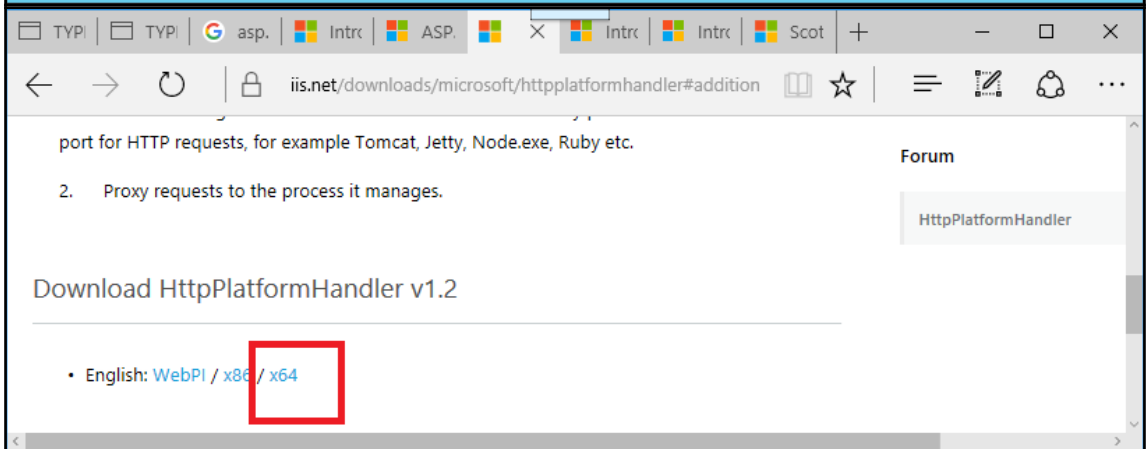
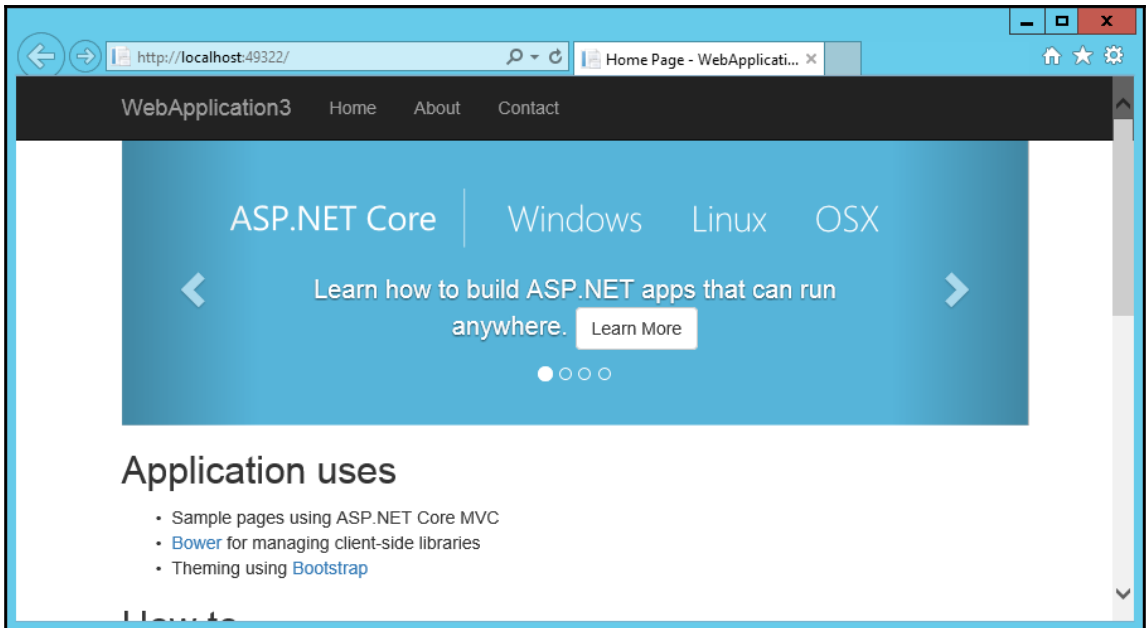
Enable Docker Support

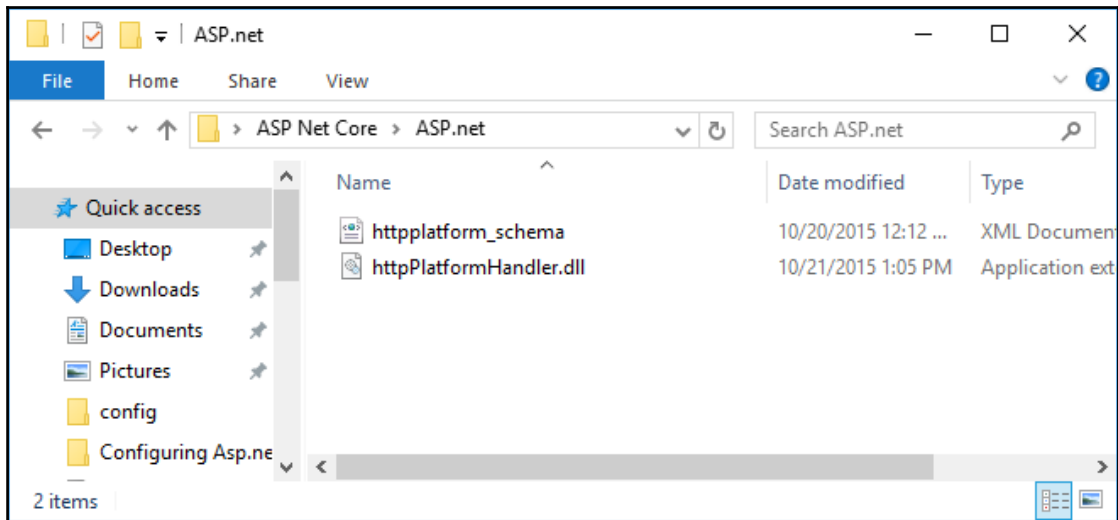
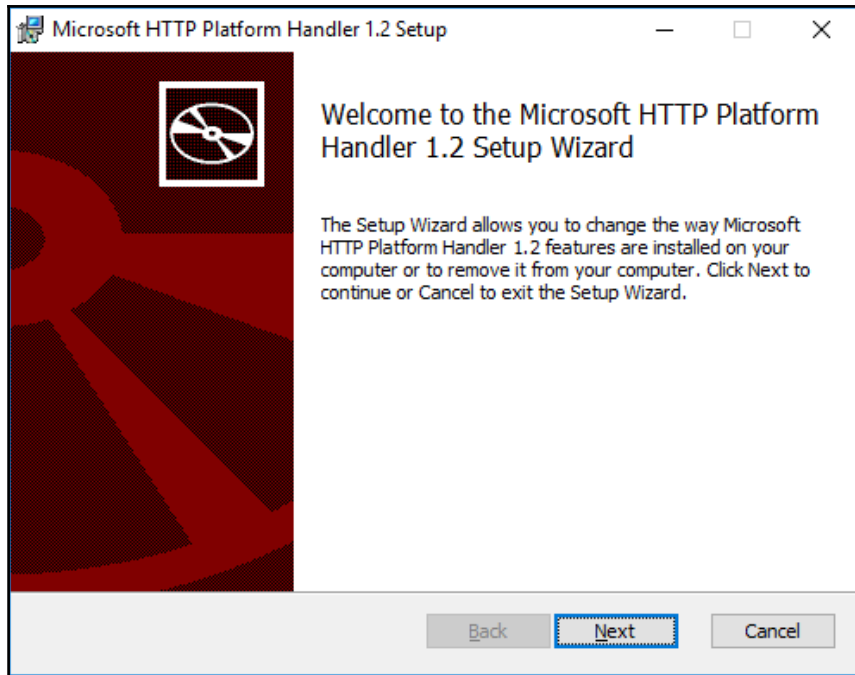
Requires [Docker for Windows](#)

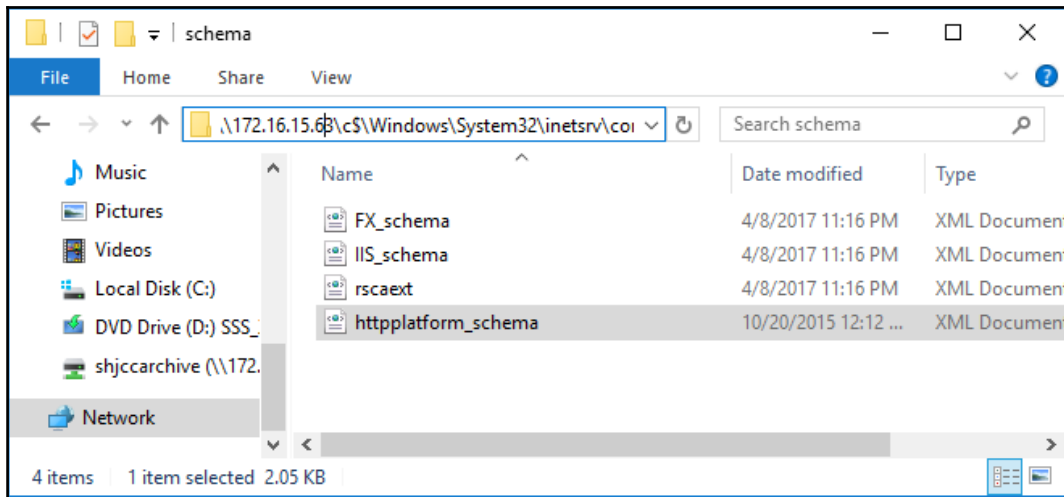
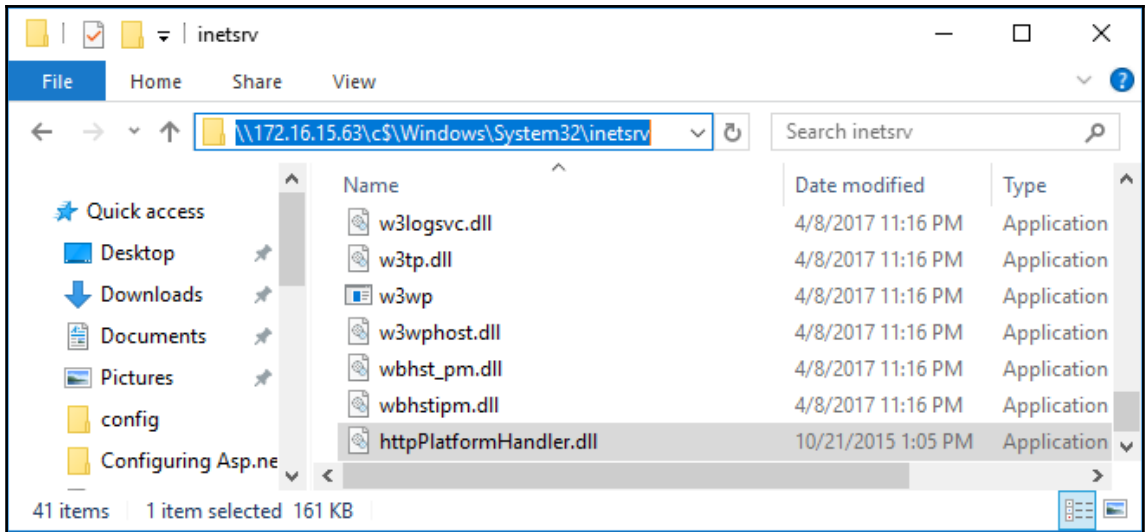
Docker support can also be enabled later [Learn more](#)

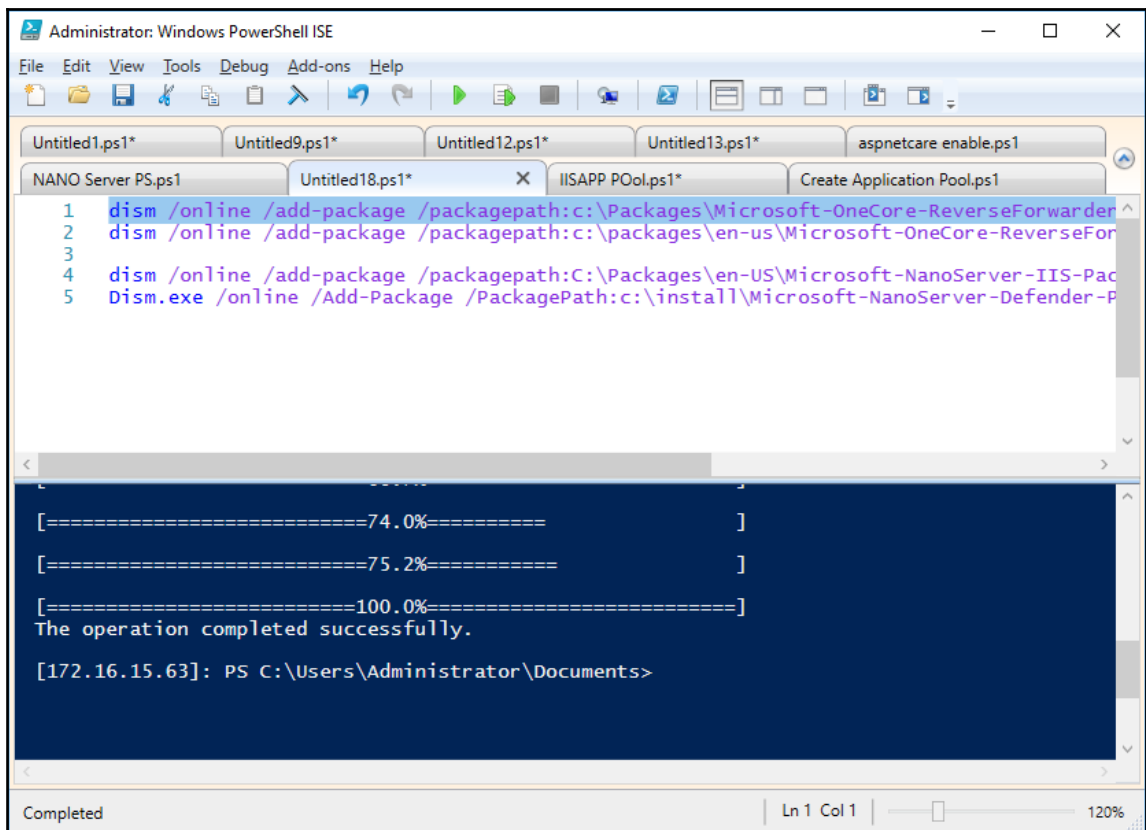
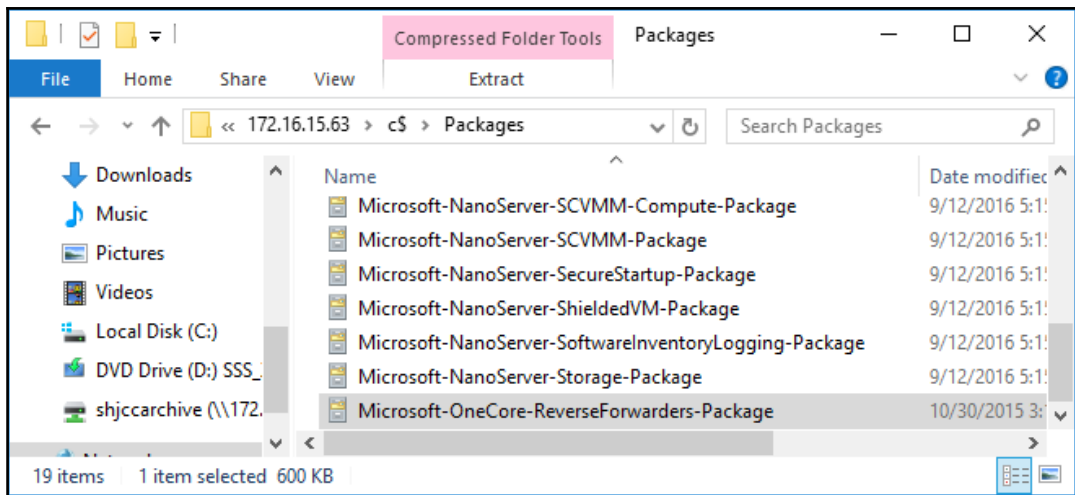
OK

Cancel









```
Administrator: Windows PowerShell ISE
File Edit View Tools Debug Add-ons Help
Untitled1.ps1* Untitled9.ps1* Untitled12.ps1* Untitled13.ps1* aspnetcore enable.ps1 X
1 Import-Module IISAdministration
2 $sm = Get-IISServerManager
3
4 # Add AppSettings section (for Asp.Net Core)
5 $sm.GetApplicationHostConfiguration().RootSectionGroup.Sections.Add("appSettings")
6
7 # Unlock handlers section
8 $appHostConfig = $sm.GetApplicationHostConfiguration()
9
10 $globalModules = Get-IISConfigSection "system.webServer/globalModules" | Get-IISConfigCollection
11 New-IISConfigCollectionElement $globalModules -ConfigAttribute @{"name"="httpPlatformHandler"}
12
13 # Add to modules
14 $modules = Get-IISConfigSection "system.webServer/modules" | Get-IISConfigCollection
15 New-IISConfigCollectionElement $modules -ConfigAttribute @{"name"="httpPlatformHandler"}
16 $sm.CommitChanges()
17
18 AllowDefinition : Everywhere
19 AllowLocation : true
20 Name : appSettings
21 OverrideModeDefault : Allow
22 RequirePermission : True
23 Type :
```

Completed | Ln 23 Col 20 | 120%

Administrator: Windows PowerShell ISE

File Edit View Tools Debug Add-ons Help

Untitled1.ps1* Untitled9.ps1* Untitled12.ps1* Untitled13.ps1* aspnetcare enable.ps1

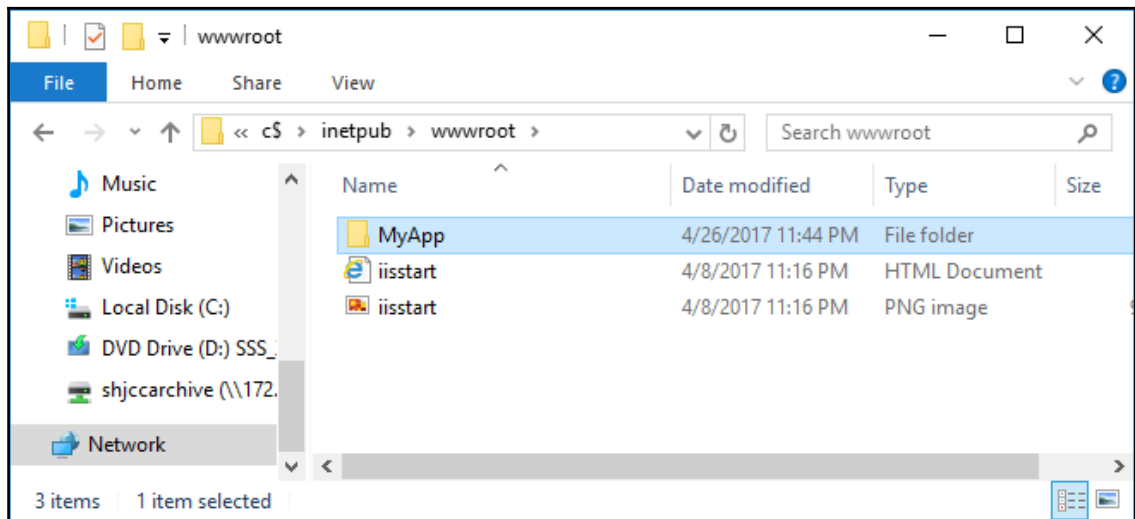
NANO Server PS.ps1* X Untitled18.ps1* IISAPP POol.ps1* Create Application Pool.ps1

```
14 ioAspNet" -PhysicalPath c:\inetpub\wwwroot -BindingInformation " *:8000:"
```

Name	ID	State	Physical Path	Bindings
Default Web Site	1	Started	%SystemDrive%\inetpub\wwwroot	http *:80:
NanoAspNet	8189	Started	c:\inetpub\wwwroot	http *:8000:
	7156			
	4			

[172.16.15.63]: PS C:\Users\Administrator\Documents>

Ln 22 Col 54 | 120%



Administrator: Windows PowerShell ISE

File Edit View Tools Debug Add-ons Help

Untitled1.ps1* Untitled9.ps1* Untitled12.ps1* Untitled13.ps1* aspnetcare enable.ps1
NANO Server PS.ps1* Untitled18.ps1* Create Application Pool.ps1 creating VD.ps1

```
1 $manager = Get-IISServerManager
2 $app = $manager.Sites["NanoAspNet"].Applications.Add("/MyApp", "c:\inetpub\wwwroot\My
3 $manager.CommitChanges()
```

Default Web Site	1	Started	%SystemDrive%\inetpub\wwwroot	http *:80:
NanoAspNet	8189	Started	c:\inetpub\wwwroot	http *:8000:
	7156			
	4			

```
[172.16.15.63]: PS C:\Users\Administrator\Documents> $manager = Get-IISServerManager
$app = $manager.Sites["NanoAspNet"].Applications.Add("/MyApp", "c:\inetpub\wwwroot\MyApp")
$manager.CommitChanges()

[172.16.15.63]: PS C:\Users\Administrator\Documents> Get-IISServerManager
```

Completed | Ln 1 Col 1 | 120%

Administrator: Windows PowerShell ISE

File Edit View Tools Debug Add-ons Help

Untitled1.ps1* Untitled9.ps1* Untitled12.ps1* Untitled13.ps1* aspnetcare enable.ps1 creating VD.ps1 Untitled20.ps1* X

```
1 $sm = Get-IISServerManager
2 $sm.ApplicationPools.Add("NanoAppPool")
```

[172.16.15.63]: PS C:\Users\Administrator\Documents> \$sm = Get-IISServerManager
\$sm.ApplicationPools.Add("NanoAppPool")

Name	Status	CLR Ver	Pipeline Mode	Start Mode
NanoAppPool			Integrated	OnDemand

[172.16.15.63]: PS C:\Users\Administrator\Documents>

Completed | Ln 2 Col 41 | 120%

The image shows a screenshot of the Windows PowerShell ISE (Integrated Scripting Environment) running as Administrator. The window title is "Administrator: Windows PowerShell ISE". The menu bar includes "File", "Edit", "View", "Tools", "Debug", "Add-ons", and "Help". The toolbar contains various icons for file operations and execution. The script editor shows five lines of PowerShell code:

```
1 $manager = Get-IISServerManager
2 # Assign to an application in a virtual directory
3 $website = $manager.Sites["NanoAspNet"]
4 $website.Applications["/MyApp"].ApplicationPoolName = "NanoAppPool"
5 $manager.CommitChanges()
```

The output console shows the execution of these commands on a remote server [172.16.15.63]:

```
[172.16.15.63]: PS C:\Users\Administrator\Documents> $manager = Get-IISServerManager
# Assign to an application in a virtual directory
$website = $manager.Sites["NanoAspNet"]
$website.Applications["/MyApp"].ApplicationPoolName = "NanoAppPool"
$manager.CommitChanges()

[172.16.15.63]: PS C:\Users\Administrator\Documents>
```

The status bar at the bottom indicates "Completed" and shows the cursor position as "Ln 1 Col 1" with a zoom level of "120%".

```
ApplicationHost - Notepad
File Edit Format View Help

</log>

<sites>
  <site name="Default Web Site" id="1">
    <application path="/">
      <virtualDirectory path="/" physicalPath="%SystemDrive%\inetpub
\wwwroot"></virtualDirectory>
    </application>
    <bindings>
      <binding protocol="http" bindingInformation="*:80:"></binding>
    </bindings>
  </site>
  <site name="NanoAspNet" id="818971564">
    <application path="/">
      <virtualDirectory path="/" physicalPath="c:\inetpub\wwwroot" />
    </application>
    <application path="/MyApp" applicationPool="NanoAppPool">
      <virtualDirectory path="/" physicalPath="c:\inetpub\wwwroot\MyApp" />
    </application>
    <bindings>
      <binding protocol="http" bindingInformation="*:8000:" />
    </bindings>
  </site>
  <siteDefaults>
    <logFile logFormat="W3C" directory="%SystemDrive%\inetpub\logs\LogFiles"></logFile>
    <traceFailedRequestsLogging directory="%SystemDrive%\inetpub\logs
\FailedReqLogFiles"></traceFailedRequestsLogging>
  </siteDefaults>
  <applicationDefaults applicationPool="DefaultAppPool"></applicationDefaults>
```

The screenshot shows the Windows PowerShell ISE interface. The top menu bar includes File, Edit, View, Tools, Debug, Add-ons, and Help. The toolbar contains various icons for file operations and execution. The script editor shows several tabs, with the active tab being 'Untitled18.ps1'. The script content is as follows:

```
8 Start-IISSite -Name "nanosite.com"
9 New-IISSite -Name nanosite.com -BindingInformation "*:8080:" -PhysicalPath c:\inetpub
10 cls
11 "Welcome to IIS on Nano Server by Ashraf Khan This Nanosite.com" | Out-File -PSPath "
12 New-NetFirewallRule -DisplayName "Allow Inbound Port 8000" -Direction Inbound -LocalP
13
14 New-IISSite -Name "NanoAspNet" -PhysicalPath c:\inetpub\wwwroot -BindingInformation "
```

The console window shows the execution of the command on line 12:

```
[172.16.15.63]: PS C:\Users\Administrator\Documents> New-NetFirewallRule -DisplayNa
```

The output of the command is displayed in a dark blue background:

```
Name                : {1165a7ec-dbfa-4cf0-ba4b-d746ff7c6d82}
DisplayName         : Allow Inbound Port 8000
Description        :
DisplayGroup       :
Group              :
Enabled            : True
Profile            : Any
Platform          : {}
Direction         : Inbound
```

The status bar at the bottom indicates 'Completed', 'Ln 12 Col 122', and a zoom level of '120%'.

Administrator: Windows PowerShell ISE

File Edit View Tools Debug Add-ons Help

NANO Server PS.ps1 X

```
1 Set-Item WSMAN:\localhost\Client\TrustedHosts -Value 172.16.15.63 -Concatenate
2 Enter-PSSession -ComputerName "172.16.15.63" -Credential ~\Administrator
3 Import-module iisadministration
4 import-module WebAdministration
5 Get-IISSite
6 Stop-IISSite -Name "nanosite.com"
7 Get-IISSite
```

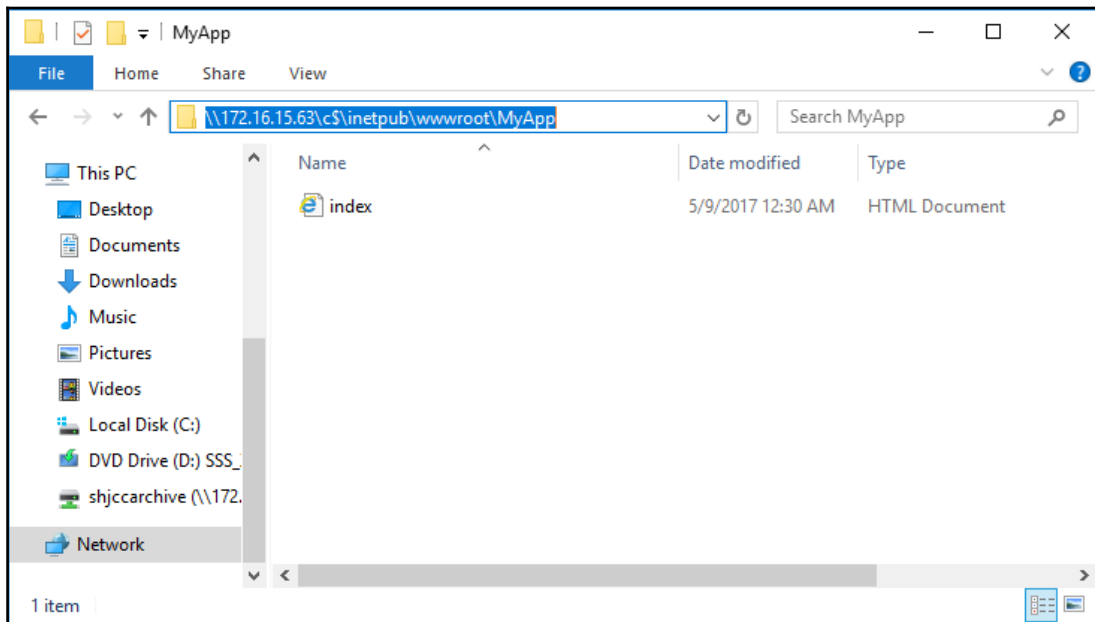
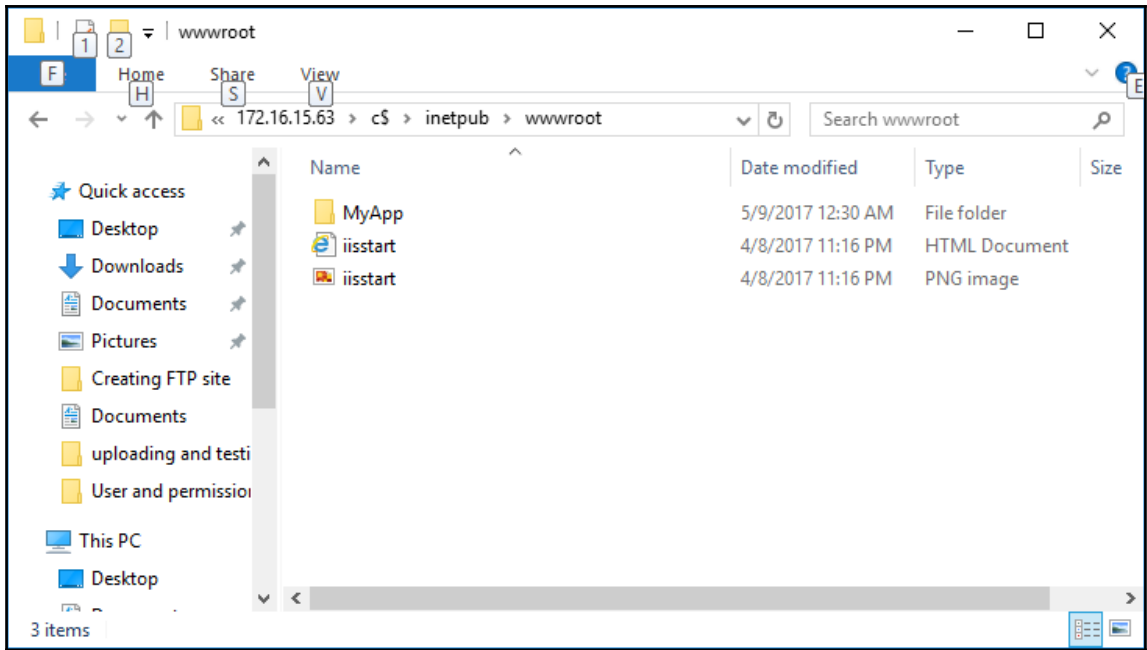
PS C:\Windows\system32> Enter-PSSession -ComputerName "172.16.15.63" -Credential ~\Admin

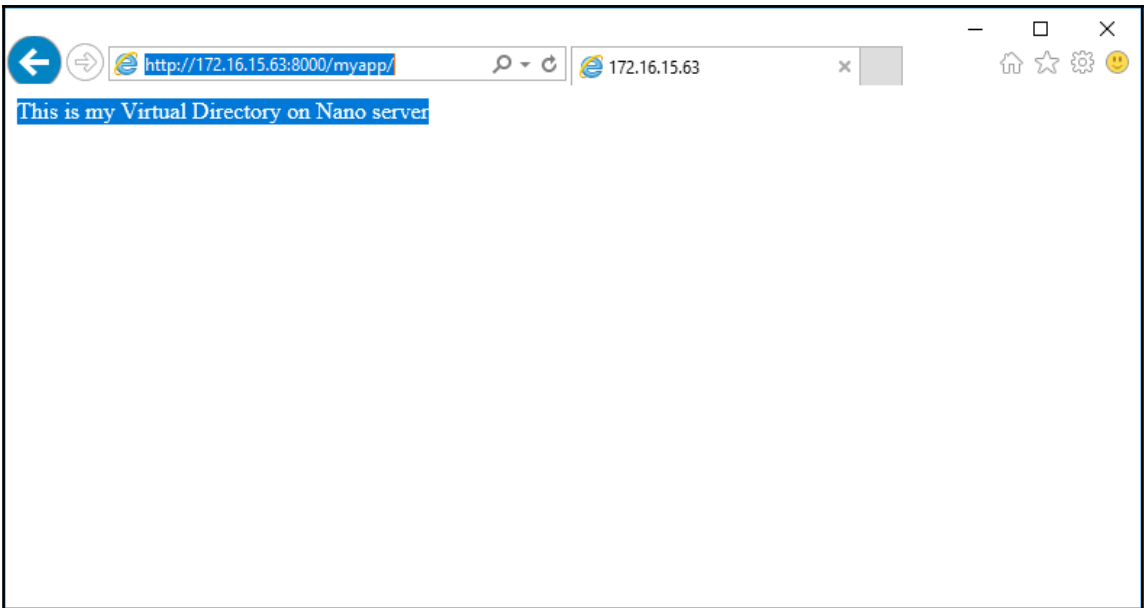
[172.16.15.63]: PS C:\Users\Administrator\Documents> Get-IISSite

Name	ID	State	Physical Path	Bindings
Default Web Site	1	Started	%SystemDrive%\inetpub\wwwroot	http *:80:
NanoAspNet	8189 7156	Started	c:\inetpub\wwwroot	http *:8000:

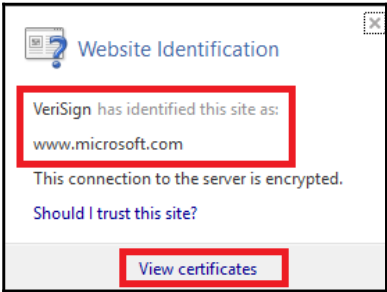
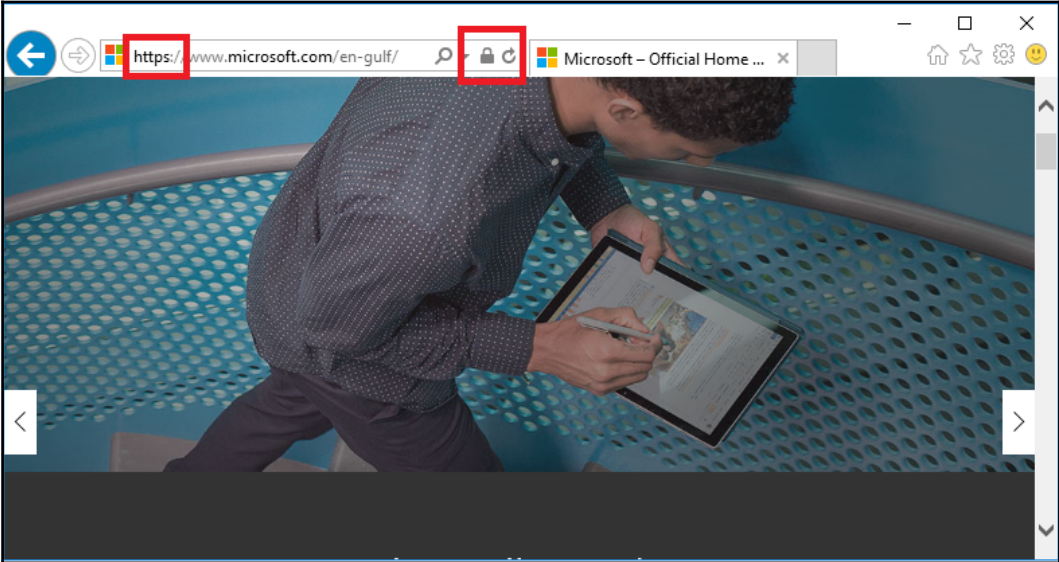
[172.16.15.63]: PS C:\Users\Administrator\Documents>

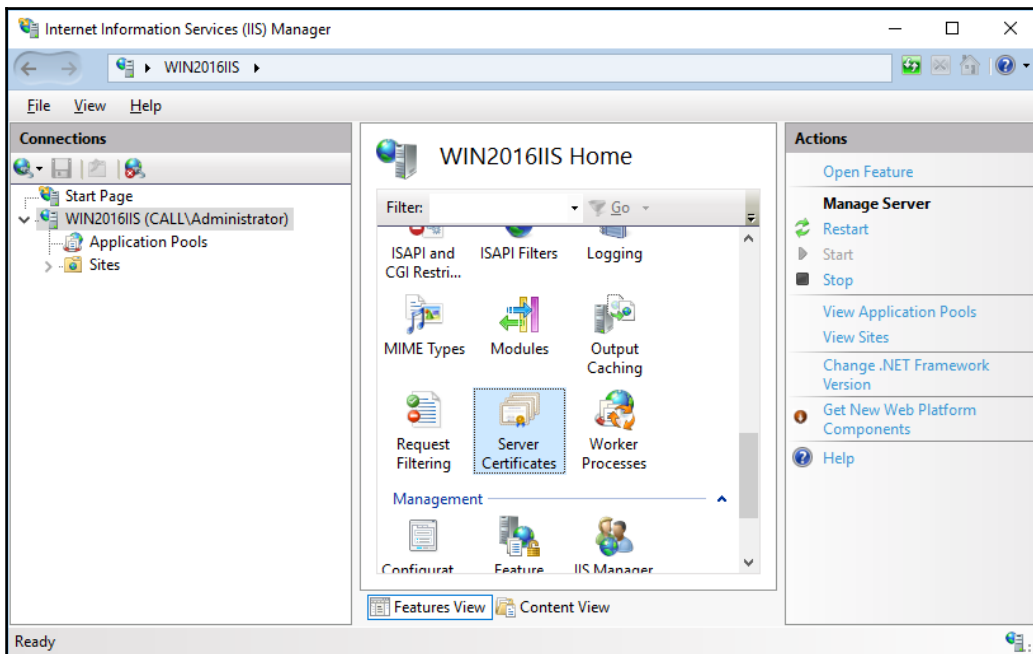
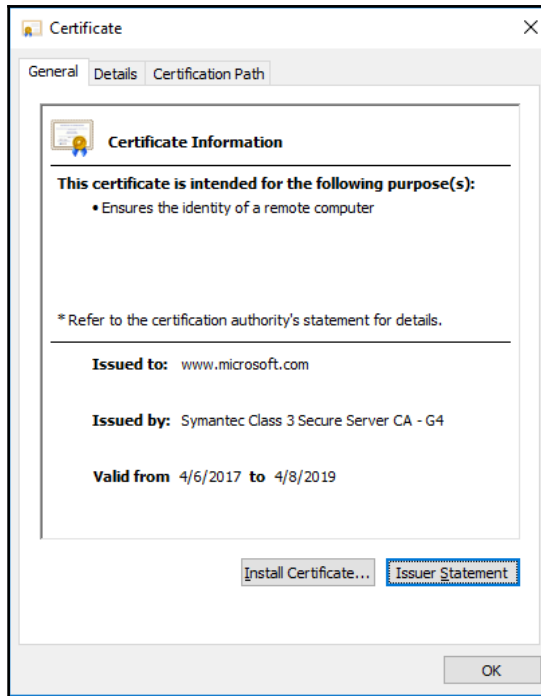
Ln 8 Col 11 | 120%

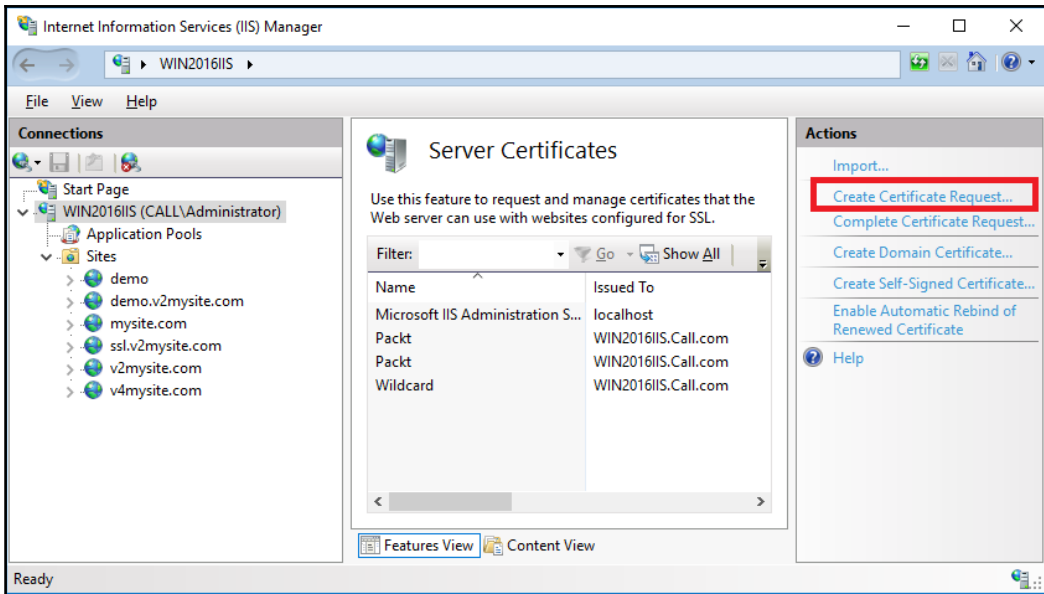




Chapter 10: Installing and Configuring SSL Websites







**Distinguished Name Properties**

Specify the required information for the certificate. State/province and City/locality must be specified as official names and they cannot contain abbreviations.

Common name:	<input type="text" value="mysite.com"/>
Organization:	<input type="text" value="Company LTD"/>
Organizational unit:	<input type="text" value="Web"/>
City/locality:	<input type="text" value="Khorfakkan"/>
State/province:	<input type="text" value="Sharjah"/>
Country/region:	<input type="text" value="AE"/>

Previous

Next

Finish

Cancel

**Cryptographic Service Provider Properties**

Select a cryptographic service provider and a bit length. The bit length of the encryption key determines the certificate's encryption strength. The greater the bit length, the stronger the security. However, a greater bit length may decrease performance.

Cryptographic service provider:

Microsoft RSA SChannel Cryptographic Provider

Bit length:

- 1024
- 384
- 512
- 1024
- 2048
- 4096
- 8192
- 16384

Previous

Next

Finish

Cancel

Request Certificate

? X



File Name

Specify the file name for the certificate request. This information can be sent to a certification authority for signing.

Specify a file name for the certificate request:

...

Previous

Next

Finish

Cancel

```
cert-request-mysite - Notepad
File Edit Format View Help
|-----BEGIN NEW CERTIFICATE REQUEST-----
MIIDXTCCAsYCAQAwTELMAkGA1UEBhMCQUxwEDA0BgNVBAGMB1NoYXJqYWgxEzAR
BgNVBACMCktob3JmYWtrYW4xFDASBgNVBAoMC0NvbXBhbnkgTFREMQuwCgYDVQQL
DANXZWlXezARBgNVBAMMCm15c210ZS5jb20wgZ8wDQYJKoZIhvcNAQEBBQADgY0A
MIGJAoGBA3iPCofXIBMwU6SAH3sV1zhGztA5q3UttDLxgz0DRiDCDFHFWSdv+TFY
Y7vBqFh+vU5G1Bs5zIZivs01N942D1cFHR5RoLQe3wMxWPDUAR1mkb71DHdIS8Ed
i4+pJr61qz5Kq7TPQBQLLVmS4mPRGXG9rsZTArEKmX1FMPyHKB9vAgMBAAGggGu
MBwGCisGAQQBgjcNAgMxMhYMMTAuMC4xNDM5My4yMEgGCsGAQQBgjcVFDE7MDkC
AQUME1dJTjIwMTZJJSVMuQ2FsbC5jb20MEkNBTExcQWRtaW5pc3RyYXRvcgwLaW51
dG1nci5leGUwCgYKKwYBBAGCNw0CAjFKMGICAQEelwBNAGkAYwByAG8AcwBvAGYA
dAAgAFIAUwBBACAuWBDAGgAYQBuAG4AZQB5ACAQwByAHkAcAB0AG8AZwByAGEA
cABoAGkAYwAgFAAcgBvAHYAaQBkAGUAcgMBADCBzwYJKoZIhvcNAQkOMYHBMIG+
MA4GA1UdDwEB/wQEAwIE8DATBgNVHSUEDDAKBggrBgEFBQcDATB4BgkqhkiG9w0B
CQ8EazBpMA4GCCcGSIb3DQMCAGIAgDA0BgggqhkiG9w0DBAICAIAwCwYJYIZIAWUD
BAEQMASGCWCGSAF1AwQBLTALBg1ghkgBZQMEAQIwCwYJYIZIAWUDBAEFMAcGBSsO
AwIHMaoGCCcGSIb3DQMHMB0GA1UdDgQWBbTHgH2cd+Bbsf6QiFZ+SYQ80j5mCDAN
BgkqhkiG9w0BAQUFAAOBgQAGyY68F6yKiMjt+5ryngzkcmlIxinb7BKWx/WvIGA0
jS1mKzwHxv1MK20EFAWmeTSFgg23md9j0nD6rzqcWPJAJDUvALxeLW9y0W0tIzM1
BvCiZP330zc1Wau0a9i2mPStakH4FTdjr00AK5WPeUjpc1Y81ydde08PoE5CQIZ
HQ==
-----END NEW CERTIFICATE REQUEST-----
```

Import Certificate ? X

Certificate file (.pfx):
 ...

Password:

Select Certificate Store:
Personal

Allow this certificate to be exported

OK Cancel



Specify Certificate Authority Response

Complete a previously created certificate request by retrieving the file that contains the certificate authority's response.

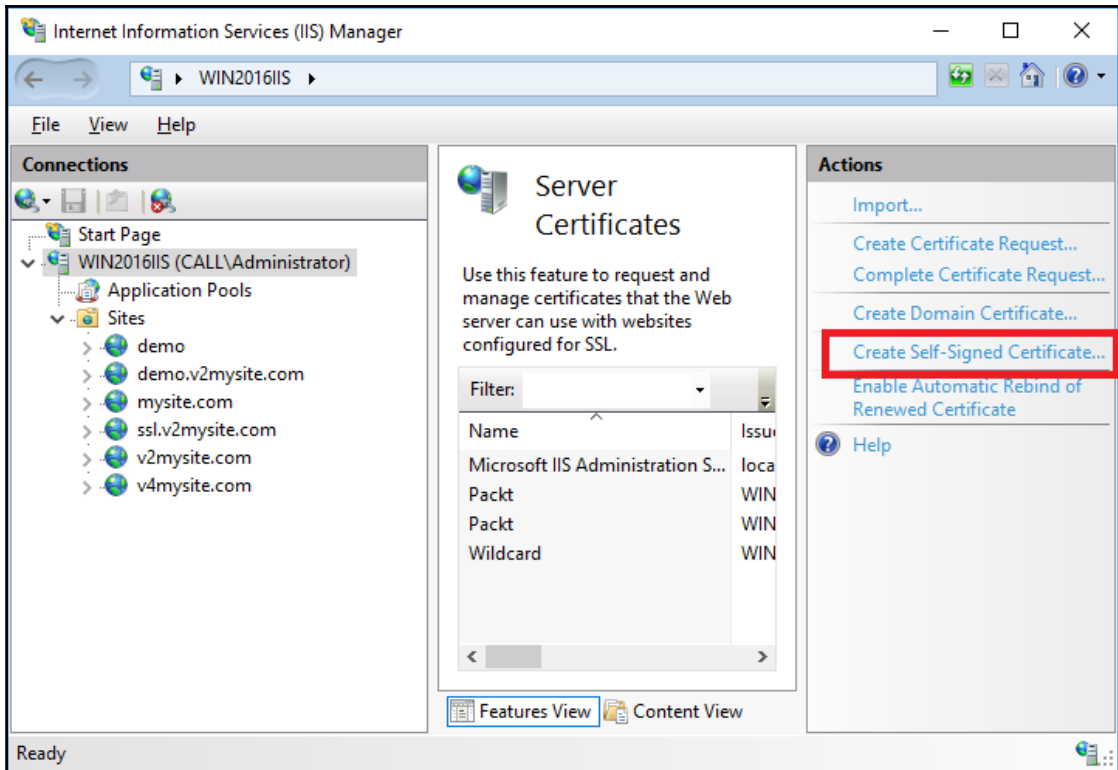
File name containing the certification authority's response:

Friendly name:

Select a certificate store for the new certificate:

OK

Cancel



Create Self-Signed Certificate

?

×



Specify Friendly Name

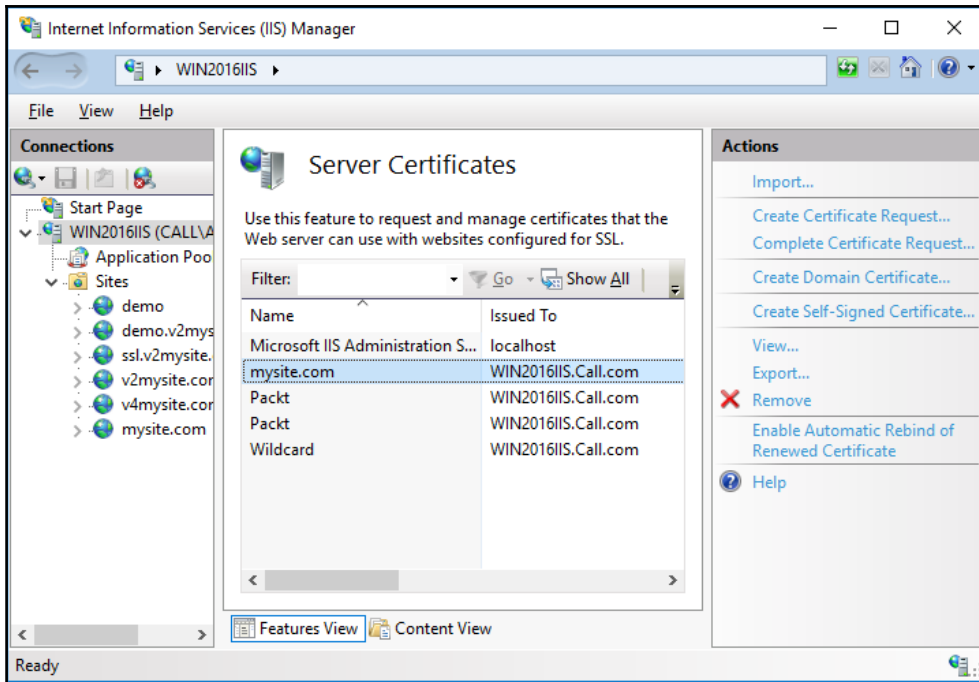
Specify a file name for the certificate request. This information can be sent to a certificate authority for signing:

Specify a friendly name for the certificate:

Select a certificate store for the new certificate:

OK

Cancel



Internet Information Services (IIS) Manager

WIN2016IIS > Sites

File View Help

Connections

- Start Page
- WIN2016IIS (CALL\Administ
- Application Pools
- Sites**
- demo
- demo.v2mysite.com
- ssl.v2mysite.com
- v2mysite.com
- v4mysite.com

Sites

Filter: Go

Name	ID	Status	Bir
demo	6	Stopped (...	*:8
demo.v2mysite....	4	Stopped (...	de
ssl.v2mysite.com	5	Stopped (...	ssl
v2mysite.com	1	Stopped (...	v2i
v4mysite.com	2	Stopped (...	v4i

Actions

- Add Website...**
- Set Website Defaults...
- Help

Features View Content View

Ready

Add Website

Site name: Application pool:

Content Directory

Physical path:

Pass-through authentication

Binding

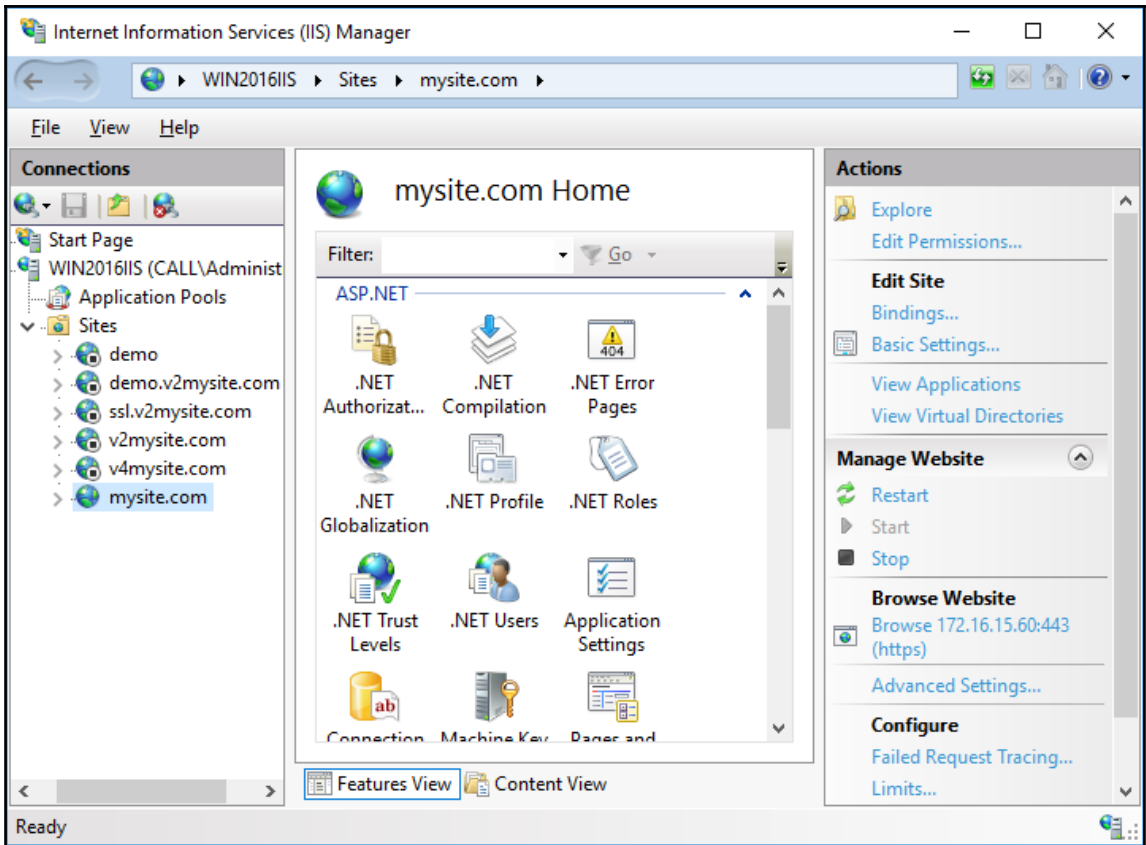
Type:	IP address:	Port:
<input type="text" value="https"/>	<input type="text" value="172.16.15.60"/>	<input type="text" value="443"/>

Host name:

Require Server Name Indication

SSL certificate:

Start Website immediately



The image shows a screenshot of the Windows PowerShell ISE (Integrated Scripting Environment) running as Administrator. The window title is "Administrator: Windows PowerShell ISE". The menu bar includes "File", "Edit", "View", "Tools", "Debug", "Add-ons", and "Help". The toolbar contains various icons for file operations and execution. The script editor shows three lines of code:

```
1 $PSVersionTable.PSVersion
2
3 New-SelfSignedCertificate -DnsName v3mysite.com -CertStoreLocation cert:\LocalMa
```

The output console shows the execution of the command on line 3. The prompt is "PS C:\Windows\system32>". The output is as follows:

```
PS C:\Windows\system32> New-SelfSignedCertificate -DnsName v3mysite.com -CertStoreLoca

PSParentPath: Microsoft.PowerShell.Security\Certificate::LocalMachine\My

Thumbprint                               Subject
-----
0A7F12433E656563F69749DEE60BFACEA43FF593  CN=v3mysite.com

PS C:\Windows\system32>
```

The status bar at the bottom indicates "Ln 32 Col 25" and "120%".

Internet Information Services (IIS) Manager

WIN2016IIS

File View Help

Connections

- Start Page
- WIN2016IIS (CALL\Admini)
 - Application Pools
 - Sites
 - demo
 - demo.v2mysite.c
 - ssl.v2mysite.com
 - v2mysite.com
 - v4mysite.com
 - mysite.com

Server Certificates

Use this feature to request and manage certificates that the Web server can use with websites configured for SSL.

Filter: Go

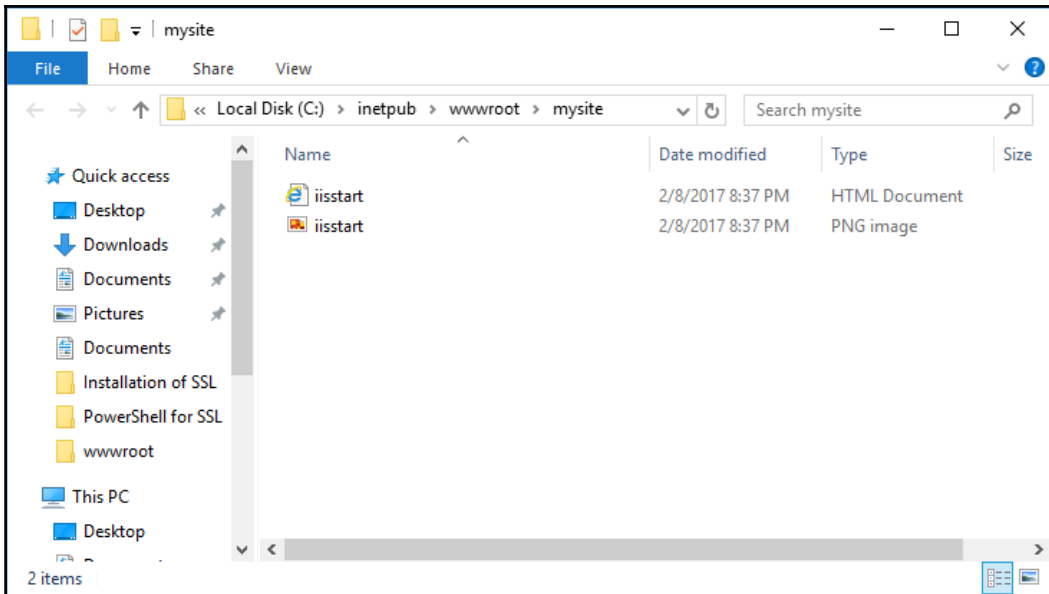
Issued To	Issued By
v3mysite.com	v3mysite.com
localhost	localhost
WIN2016IIS.Call.com	WIN2016IIS.Call.com
WIN2016IIS.Call.com	WIN2016IIS.Call.com
WIN2016IIS.Call.com	WIN2016IIS.Call.com
WIN2016IIS.Call.com	WIN2016IIS.Call.com

Features View Content View

Ready

Actions

- Import...
- Create Certificate Request...
- Complete Certificate Request...
- Create Domain Certificate...
- Create Self-Signed Certificate...
- View...
- Remove
- Disable Automatic Rebind of Renewed Certificate
- Help



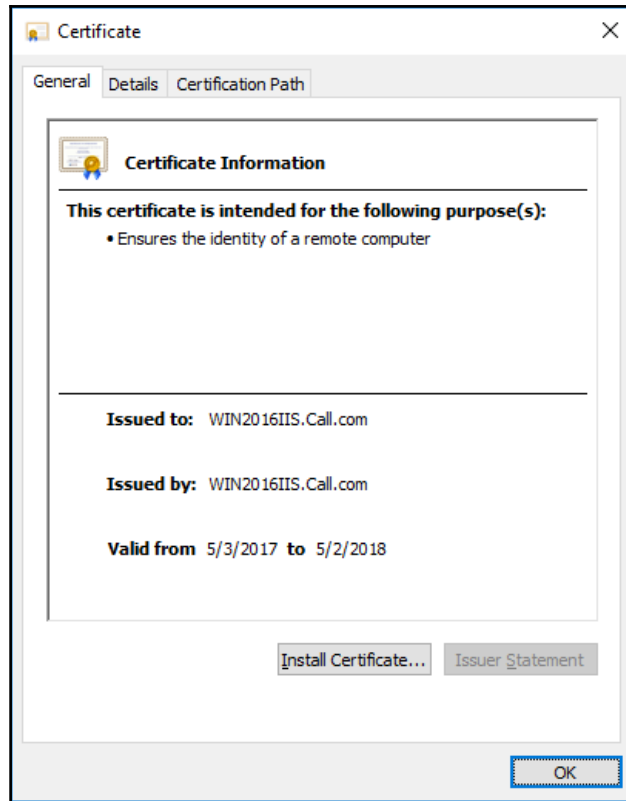

```
hosts - Notepad
File Edit Format View Help
# Copyright (c) 1993-2009 Microsoft Corp.
#
# This is a sample HOSTS file used by Microsoft TCP/IP for Windows.
#
# This file contains the mappings of IP addresses to host names. Each
# entry should be kept on an individual line. The IP address should
# be placed in the first column followed by the corresponding host name.
# The IP address and the host name should be separated by at least one
# space.
#
# Additionally, comments (such as these) may be inserted on individual
# lines or following the machine name denoted by a '#' symbol.
#
# For example:
#
#       102.54.94.97      rhino.acme.com          # source server
#       38.25.63.10     x.acme.com              # x client host

# localhost name resolution is handled within DNS itself.
#       127.0.0.1       localhost
#       ::1             localhost

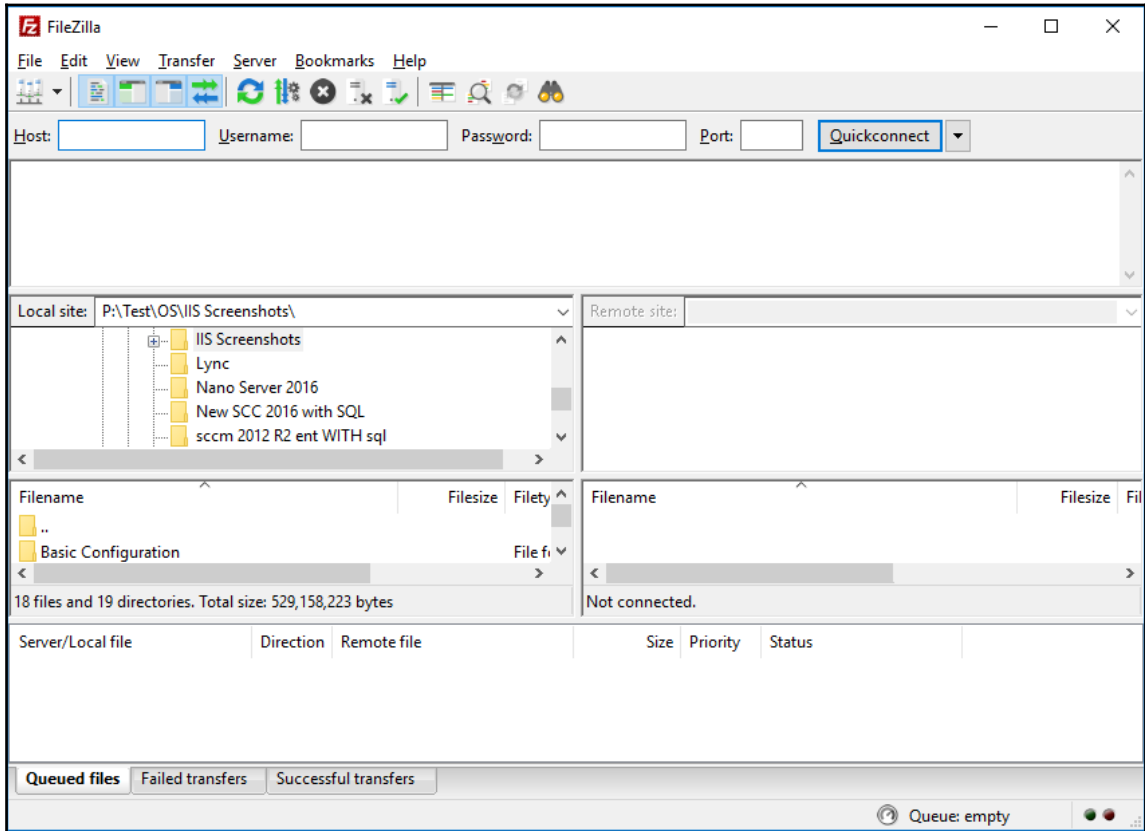
172.16.15.60  mysite.com
```

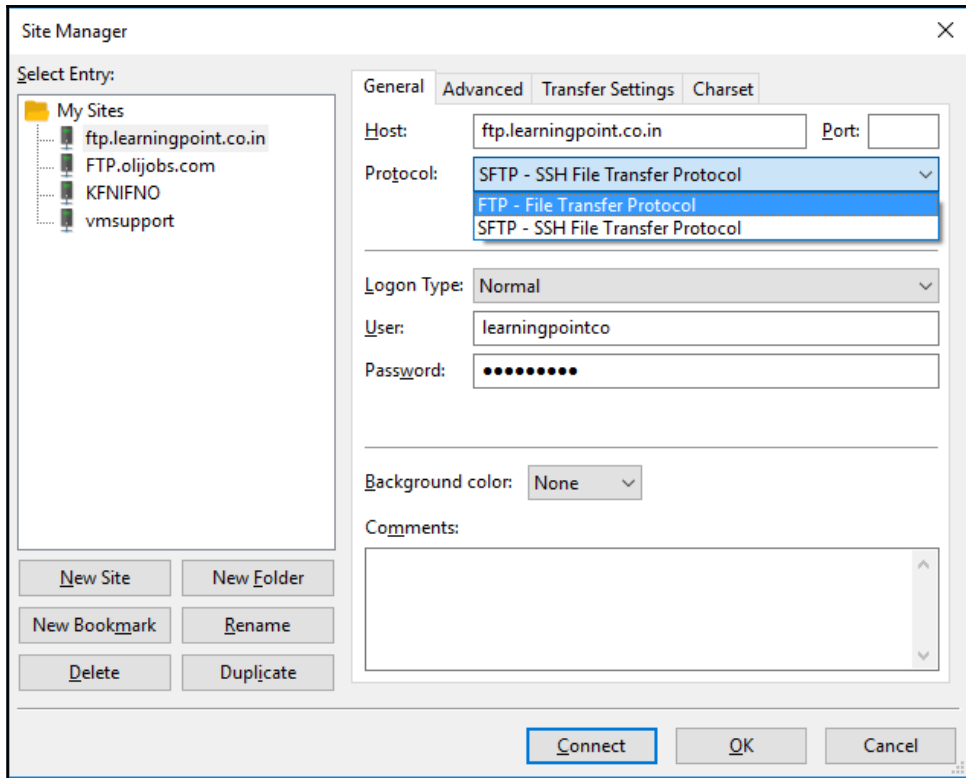
A screenshot of a web browser window displaying a security certificate error. The address bar shows <https://mysite.com/>. The page title is "Certificate Error: Navigation...". The main content area features a red shield icon with a white 'X' and the text: "There is a problem with this website's security certificate." Below this, it states: "The security certificate presented by this website was issued for a different website's address." A warning follows: "Security certificate problems may indicate an attempt to fool you or intercept any data you send to the server." A recommendation is provided: "We recommend that you close this webpage and do not continue to this website." Two options are listed: "Click here to close this webpage." (with a green checkmark icon) and "Continue to this website (not recommended)." (with a red 'X' icon). The second option is highlighted with a red rectangular border. A "More information" link is also visible.

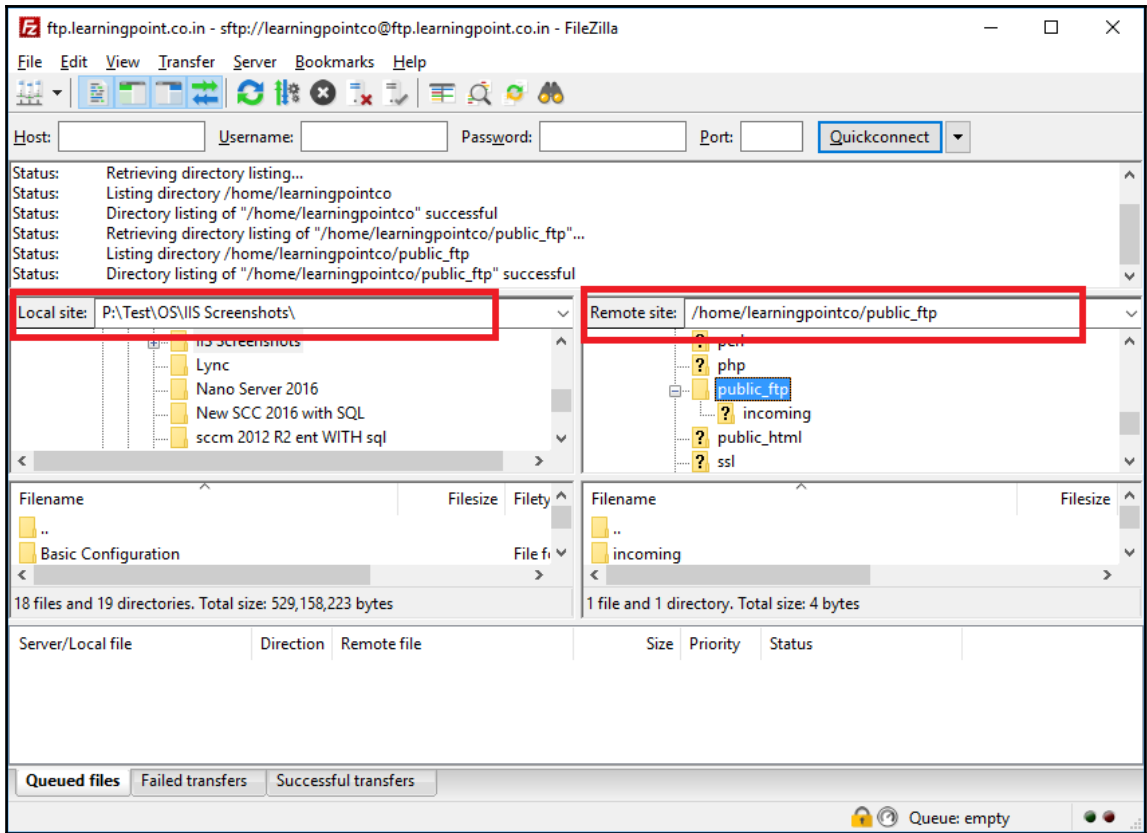
A screenshot of a web browser window displaying the default page of an Internet Information Services (IIS) server. The address bar shows <https://mysite.com/>. The page title is "IIS Windows Server". The main content area features a blue header with the Windows logo and the text "Windows Server". Below the header, the text "Internet Information Services" is displayed in a large, white font. Underneath, there are several colored rectangular blocks containing the word "Welcome" in different languages: "Welcome", "Bienvenue", "Tervetuloa", "ようこそ", "Benvenuto", and "歡迎".



Chapter 11: Extending IIS 10.0 to FTP







Server Manager

Dashboard

Local Server
All Servers
File and Storage Services
IIS
WDS

WELCOME TO SERVER MANAGER

1 Configure this local server

2 Add roles and features

3 Add other servers to manage

4 Create a server group

5 Connect this server to cloud services

QUICK START

WHAT'S NEW

LEARN MORE

Hide

ROLES AND SERVER GROUPS

Roles: 3 | Server groups: 1 | Servers total: 2

File and Storage

Installation progress

DESTINATION SERVER
WIN2016IIS.Call.com

- Before You Begin
- Installation Type
- Server Selection
- Server Roles
- Features
- Confirmation
- Results**

View installation progress

Feature installation

Installation succeeded on WIN2016IIS.Call.com.

- Web Server (IIS)**
- FTP Server
 - FTP Extensibility
 - FTP Service



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.

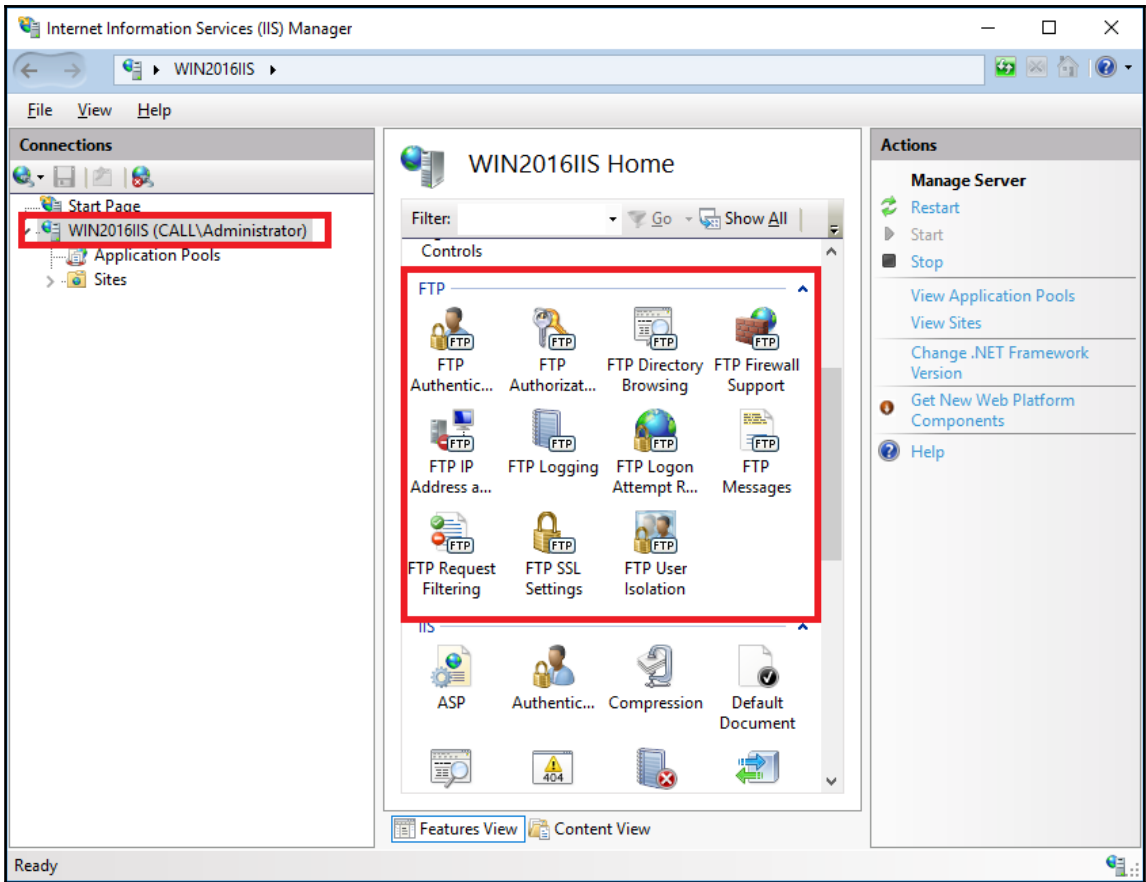
[Export configuration settings](#)

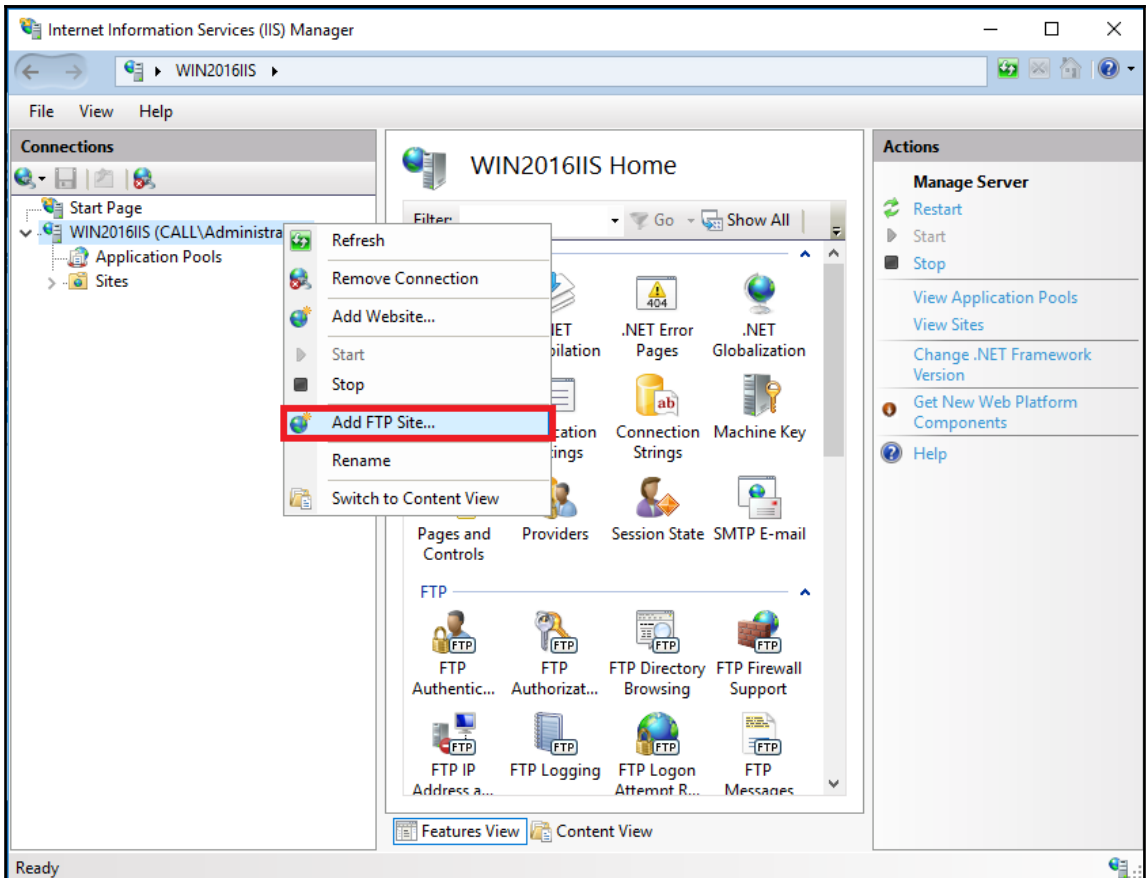
< Previous

Next >

Close

Cancel





Add FTP Site

? X



Site Information

FTP site name:

Content Directory

Physical path:



Previous

Next

Finish

Cancel



Binding and SSL Settings

Binding

IP Address:

All Unassigned

Port:

21

Enable Virtual Host Names:

Virtual Host (example: ftp.contoso.com):

Start FTP site automatically

SSL

No SSL

Allow SSL

Require SSL

SSL Certificate:

Not Selected

Select...

View...

Previous

Next

Finish

Cancel



Binding and SSL Settings

Binding

IP Address: Port:

Enable Virtual Host Names:

Virtual Host (example: ftp.contoso.com):

Start FTP site automatically

SSL

- No SSL
- Allow SSL
- Require SSL

SSL Certificate:

- Not Selected
- Microsoft IIS Administration Server Certificate
- mysite.com
- Packt
- v2mysite.com



Authentication and Authorization Information

Authentication

Anonymous

Basic

Authorization

Allow access to:

Anonymous users ▼

Permissions

Read

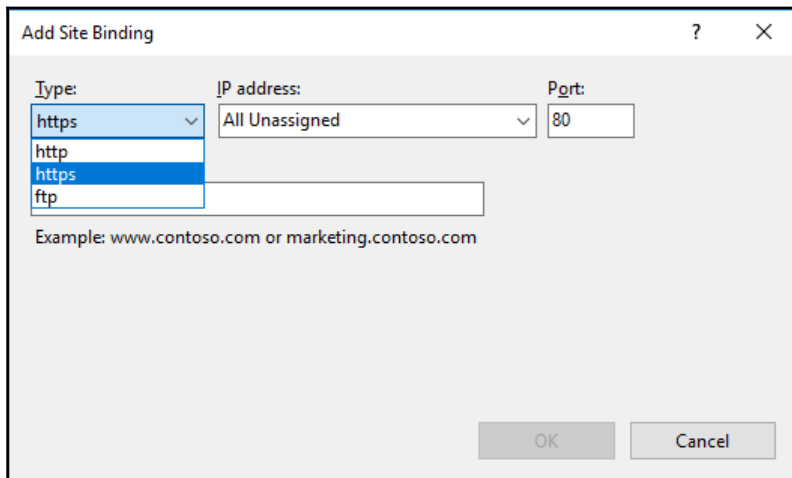
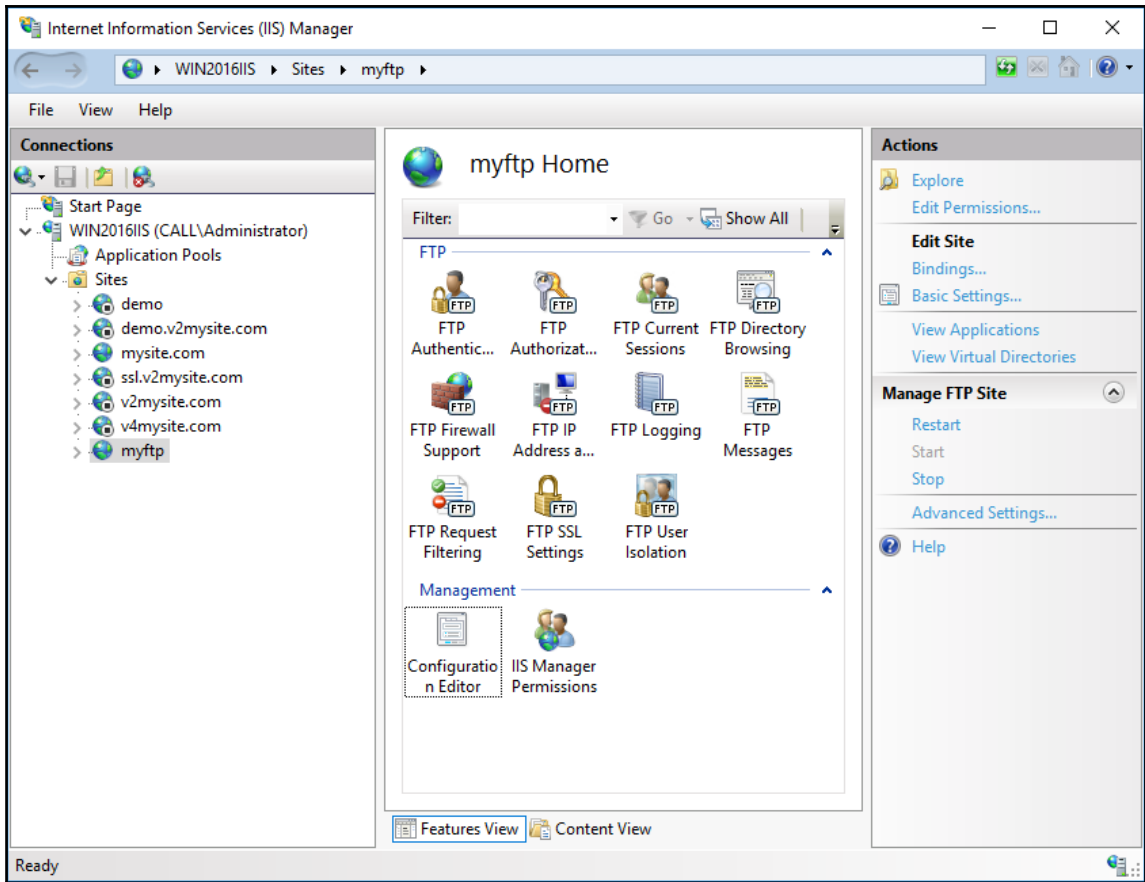
Write

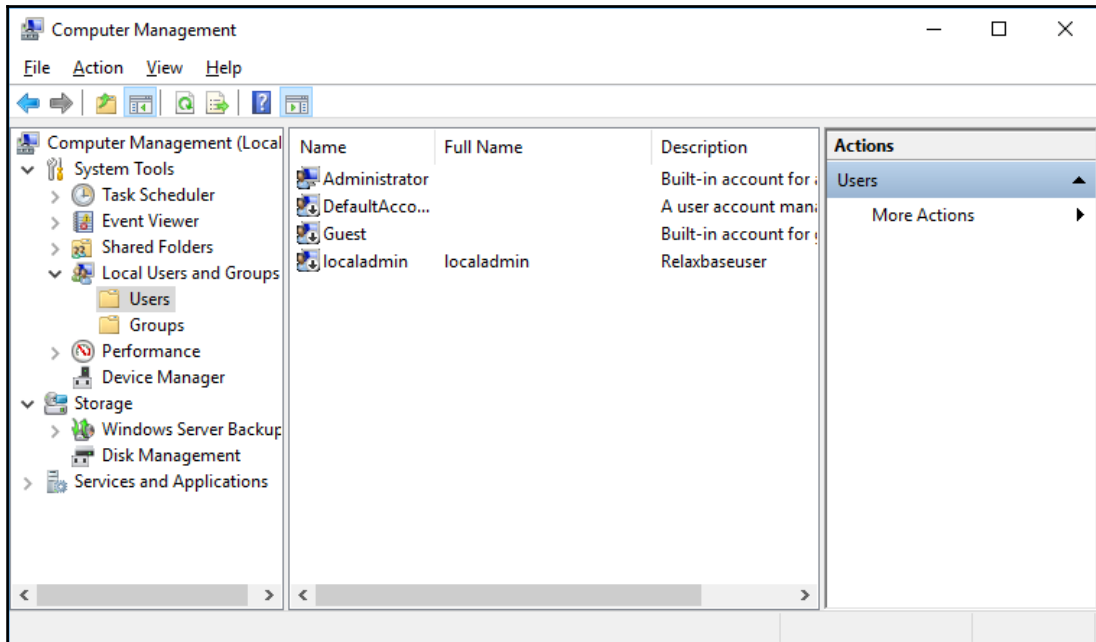
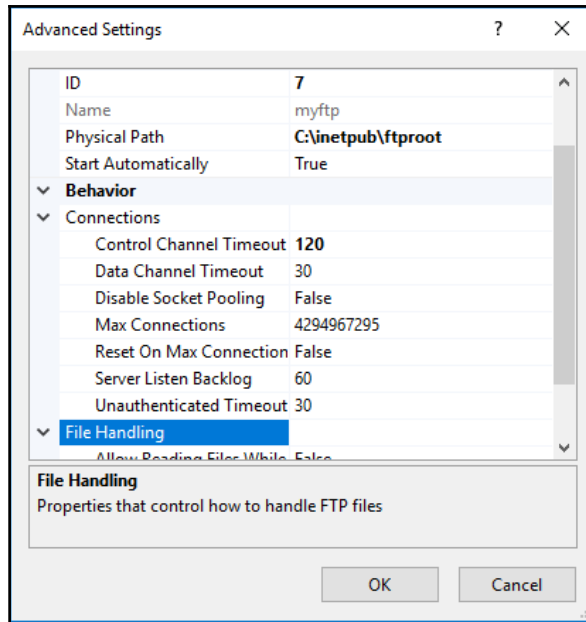
Previous

Next

Finish

Cancel





New User ? X

User name: ftpadmin

Full name: FTP Admin

Description: FTP admin

Password: ●●●●

Confirm password: ●●●●

User must change password at next logon

User cannot change password

Password never expires

Account is disabled

Help Create Close

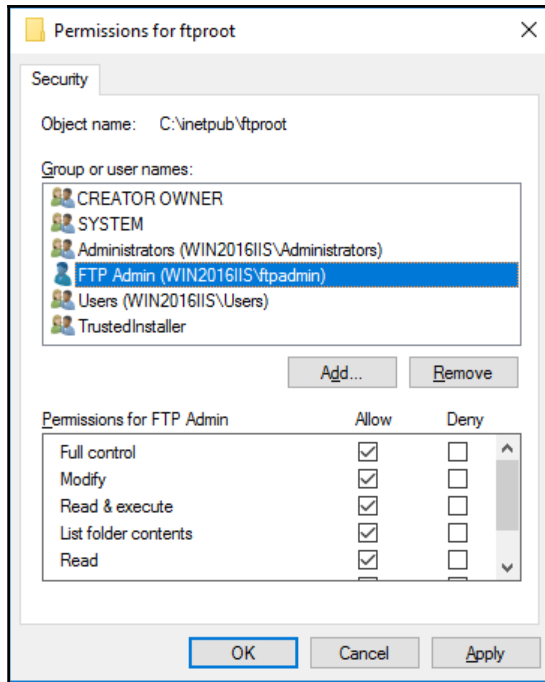
Computer Management

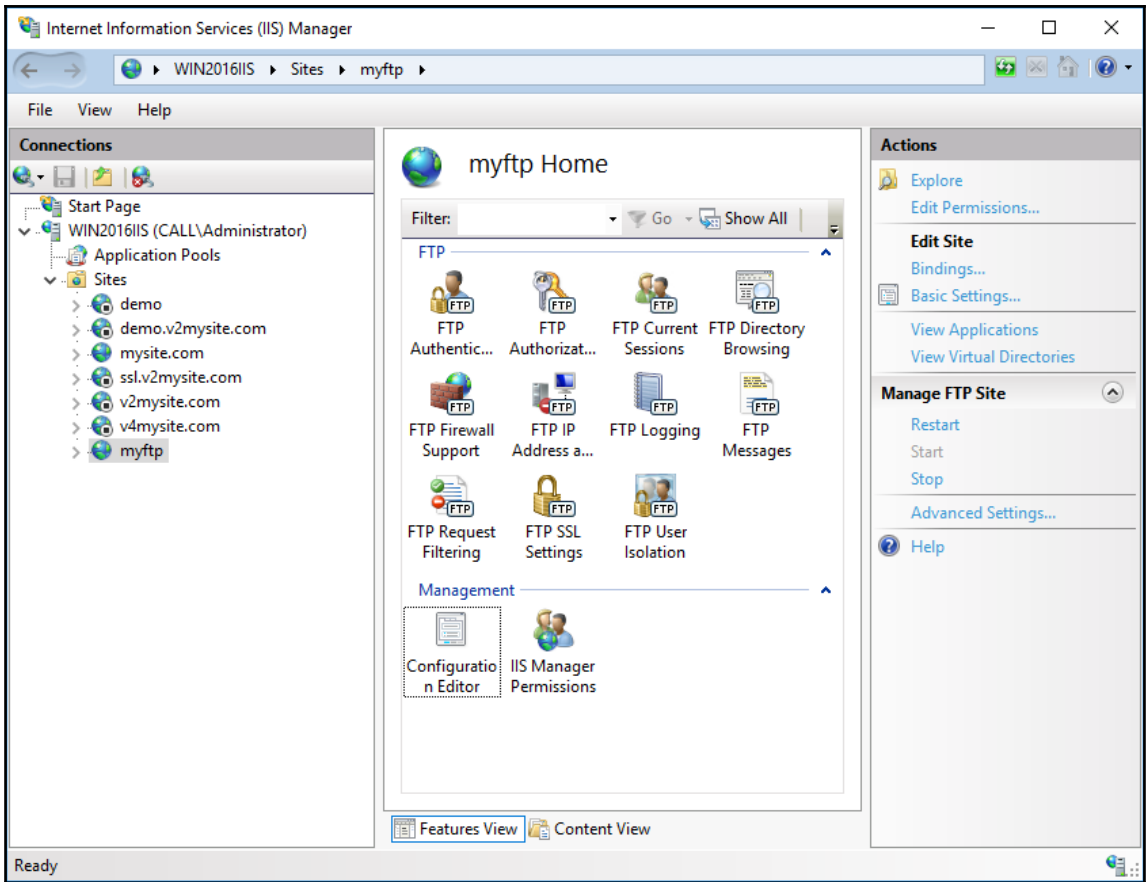
File Action View Help

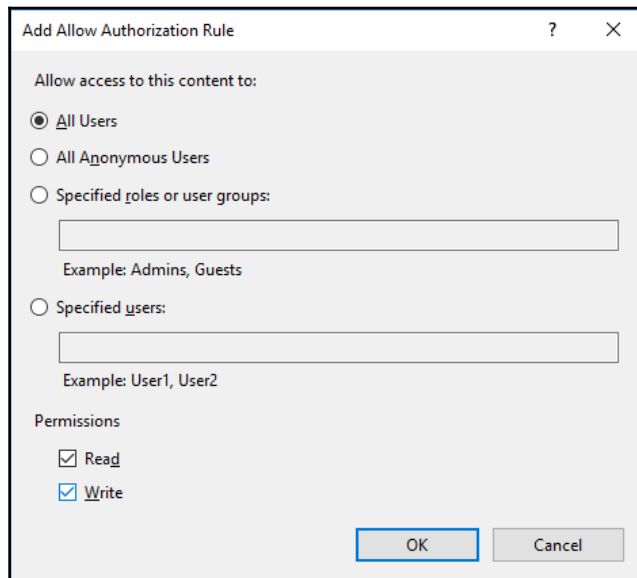
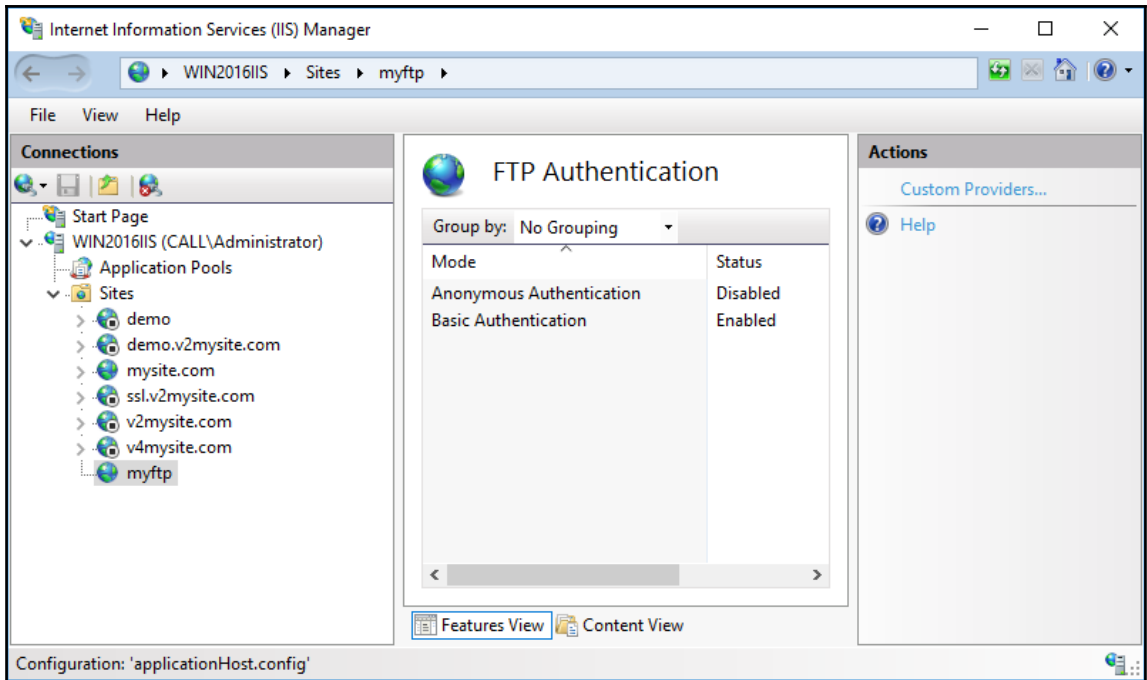
Computer Management (Local)

- System Tools
 - Task Scheduler
 - Event Viewer
 - Shared Folders
- Local Users and Groups
 - Users
 - Groups
- Performance
- Device Manager
- Storage
 - Windows Server Backup
 - Disk Management
- Services and Applications

Name	Full Name	Description	Actions
Administrator		Built-in account for...	Users ▲
DefaultAcco...		A user account man...	More Actions ▶
ftpadmin	FTP Admin	FTP admin	ftpadmin ▲
Guest		Built-in account for...	More Actions ▶
localadmin	localadmin	Relaxbaseuser	







Allow User... ? X

Select the type of user:

Windows

WIN2016IIS\ftpadmin

IIS Manager

Site Manager X

Select Entry:

- My Sites
 - ftp.learningpoint.co.in
 - FTP.olijobs.com
 - KFNIFNO
 - myftp
 - vmsupport

General Advanced Transfer Settings Charset

Host: 172.16.15.60 Port:

Protocol: FTP - File Transfer Protocol

Encryption: Use explicit FTP over TLS if available

Logon Type: Normal

User: ftpadmin

Password: ●●●●●●

Background color: Green

Comments:

myftp - ftpadmin@172.16.15.60 - FileZilla

File Edit View Transfer Server Bookmarks Help

Host: Username: Password: Port: Quickconnect

Status: Connection established, waiting for welcome message...
 Status: Insecure server, it does not support FTP over TLS.
 Status: Logged in
 Status: Retrieving directory listing...
 Status: Directory listing of "/" successful
 Status: Disconnected from server

Local site: P:\Test\OS\IIS Screenshots\
 Remote site: /

<ul style="list-style-type: none"> IIS Screenshots Lync Nano Server 2016 New SCC 2016 with SQL 	<ul style="list-style-type: none"> /
--	---

Filename	Filesize	Filety
..		
Basic Configuration		File fi
Chapter 10		File fi

18 files and 20 directories. Total size: 529,158,223 bytes

Filename	Filesize	Filety
..		

Empty directory listing

Empty directory.

Server/Local file	Direction	Remote file	Size	Priority	Status

Queued files Failed transfers Successful transfers

Queue: empty

myftp - ftpadmin@172.16.15.60 - FileZilla

File Edit View Transfer Server Bookmarks Help

Host: Username: Password: Port: Quickconnect

Status: Starting upload of P:\Test\OS\IIS Screenshots\Chapter 7.rar
 Status: File transfer successful, transferred 1,385,257 bytes in 1 second
 Status: Retrieving directory listing of "/"...
 Status: Calculating timezone offset of server...
 Status: Timezone offset of server is -25200 seconds.
 Status: Directory listing of "/" successful

Local site: P:\Test\OS\IIS Screenshots\ Remote site: /

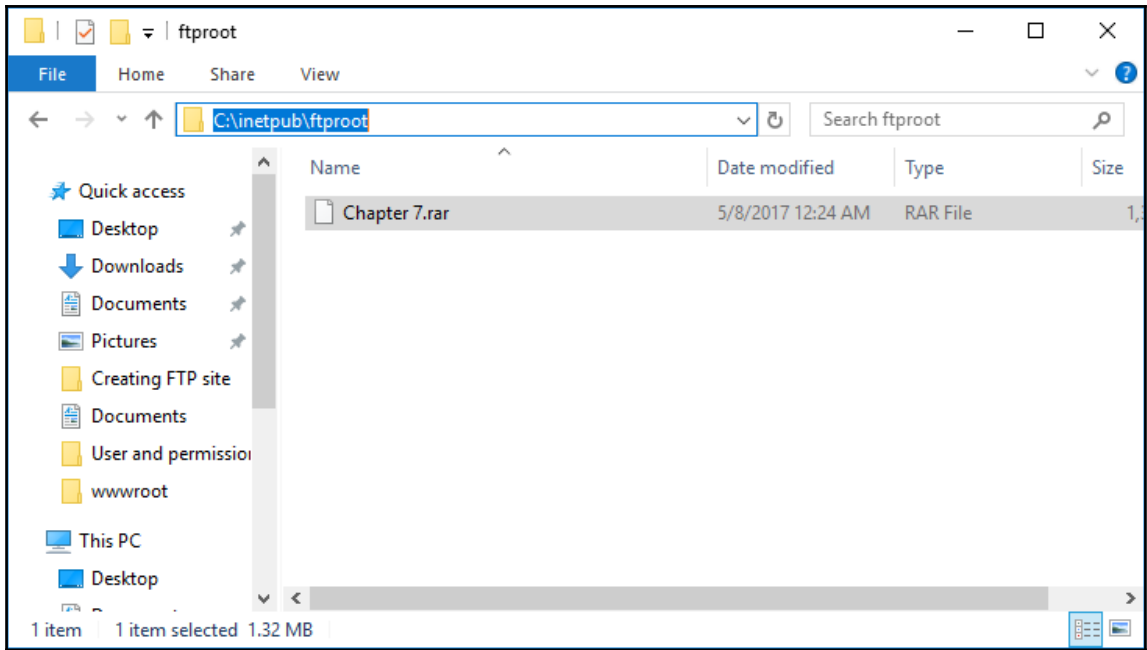
Filename	Filesize	Filety
Add roles Installaion type.png	26,182	PNG
Chapter 7.rar	1,385,257	WinR
Chapter 8.rar	1,227,815	WinR

Selected 1 file. Total size: 1,385,257 bytes

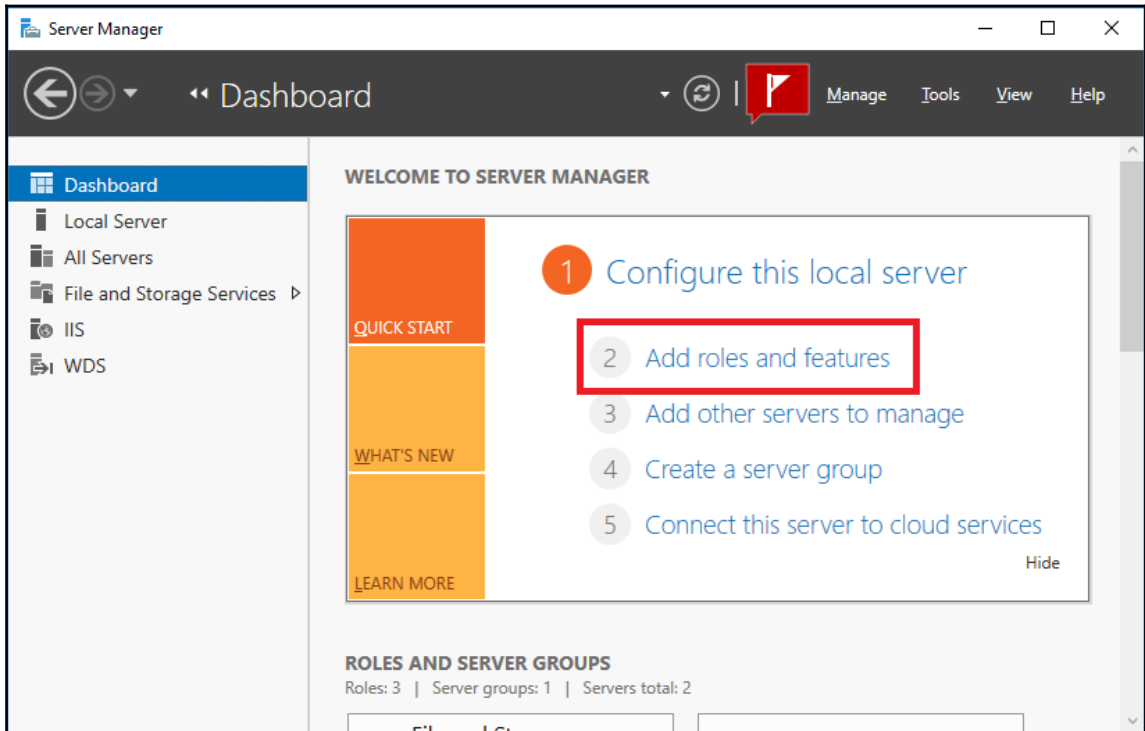
Server/Local file	Direction	Remote file	Size	Priority	Time
ftpadmin@172.16.15.60					
P:\Test\OS\IIS Screenshots\Chapter 7.rar	-->>	/Chapter 7.rar	1,385,257	Normal	5/8/2017 11:32:47 AM

Queued files Failed transfers Successful transfers (1)

Queue: empty



Chapter 12: Securing Your Websites on IIS 10.0



Add Roles and Features Wizard — □ ×

Select server roles

DESTINATION SERVER
WIN2016IIS.Call.com

Before You Begin
Installation Type
Server Selection
Server Roles
Features
Confirmation
Results

Select one or more roles to install on the selected server.

Roles	Description
<input type="checkbox"/> Remote Access	
<input type="checkbox"/> Remote Desktop Services	
<input type="checkbox"/> Volume Activation Services	
<input checked="" type="checkbox"/> Web Server (IIS) (24 of 43 installed)	
<input checked="" type="checkbox"/> Web Server (19 of 34 installed)	
<input checked="" type="checkbox"/> Common HTTP Features (4 of 6 installed)	
<input checked="" type="checkbox"/> Health and Diagnostics (3 of 6 installed)	
<input checked="" type="checkbox"/> Performance (1 of 2 installed)	
<input checked="" type="checkbox"/> Security (3 of 9 installed)	
<input checked="" type="checkbox"/> Request Filtering (Installed)	URL Authorization allows you to create rules that restrict access to Web content. You can bind these rules to users, groups, or HTTP header verbs. By configuring URL authorization rules, you can prevent employees who are not members of certain groups from accessing content or interacting with Web pages.
<input checked="" type="checkbox"/> Basic Authentication (Installed)	
<input checked="" type="checkbox"/> Centralized SSL Certificate Support	
<input checked="" type="checkbox"/> Client Certificate Mapping Authentication	
<input checked="" type="checkbox"/> Digest Authentication	
<input checked="" type="checkbox"/> IIS Client Certificate Mapping Authentica	
<input checked="" type="checkbox"/> IP and Domain Restrictions	
<input checked="" type="checkbox"/> URL Authorization	
<input checked="" type="checkbox"/> Windows Authentication (Installed)	
<input checked="" type="checkbox"/> Application Development (8 of 11 installed)	

Confirm installation selections

DESTINATION SERVER
WIN2016IIS.Call.com

Before You Begin

Installation Type

Server Selection

Server Roles

Features

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.

Web Server (IIS)
Web Server
Security
IIS Client Certificate Mapping Authentication
Centralized SSL Certificate Support
Client Certificate Mapping Authentication
Digest Authentication
IP and Domain Restrictions
URL Authorization

[Export configuration settings](#)
[Specify an alternate source path](#)

< Previous

Next >

Install

Cancel

Installation progress

DESTINATION SERVER
WIN2016IIS.Call.com

- Before You Begin
- Installation Type
- Server Selection
- Server Roles
- Features
- Confirmation
- Results**

View installation progress

Feature installation

Installation succeeded on WIN2016IIS.Call.com.

- Web Server (IIS)**
 - Web Server**
 - Security**
 - IIS Client Certificate Mapping Authentication
 - Centralized SSL Certificate Support
 - Client Certificate Mapping Authentication
 - Digest Authentication
 - IP and Domain Restrictions
 - URL Authorization



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

ASP.NET

- .NET Authorization Rules
- .NET Globalization
- Connection Strings
- Providers
- .NET Compilation
- .NET Trust Levels
- Machine Key
- Session State
- .NET Error Pages
- Application Settings
- Pages and Controls
- SMTP E-mail

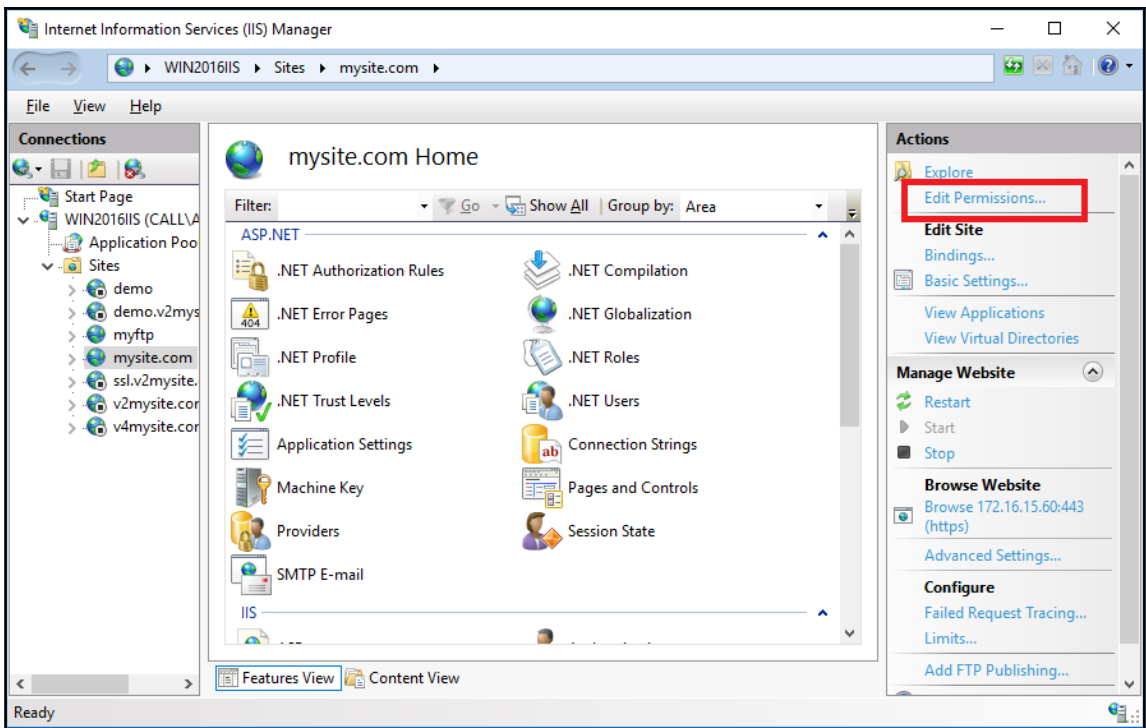
FTP

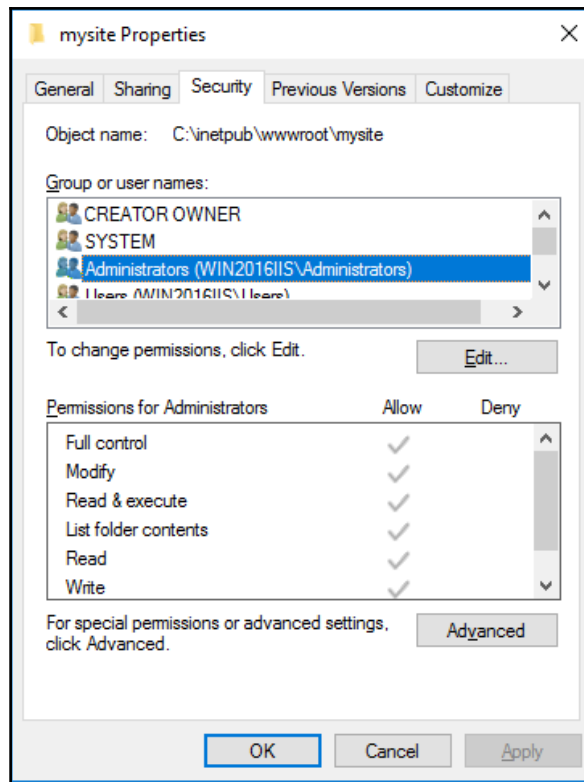
IIS

- ASP
- Compression
- Error Pages
- HTTP Response Headers
- ISAPI Filters
- Modules
- Server Certificates
- Authentication
- Default Document
- Failed Request Tracing Rules
- IP Address and Domain Restrictions
- Logging
- Output Caching
- Worker Processes
- Authorization Rules
- Directory Browsing
- Handler Mappings
- ISAPI and CGI Restrictions
- MIME Types
- Request Filtering

Management

- Centralized Certificates
- IIS Manager Permissions
- Shared Configuration
- Configuration Editor
- IIS Manager Users
- Feature Delegation
- Management Service





Internet Information Services (IIS) Manager

WIN2016IIS

File View Help

Connections

- Start Page
- WIN2016IIS (CALLVA

IIS Manager Users

Group by: No Grouping

Name	Status
ftpuser	Enabled

Alerts

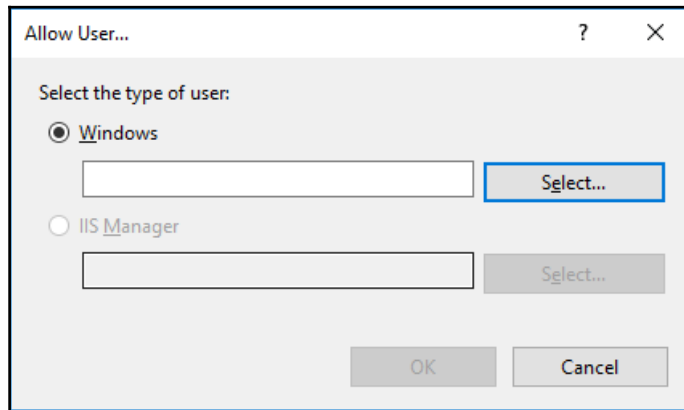
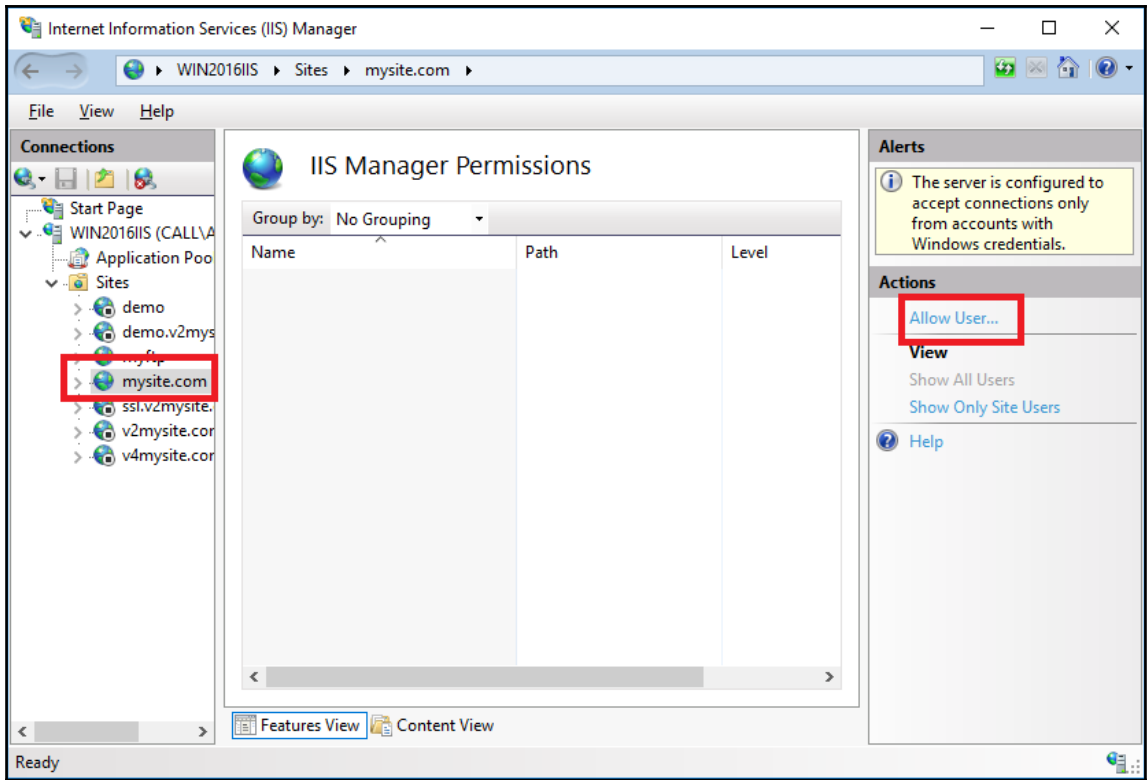
The server is configured to accept connections only from accounts with Windows credentials.

Actions

- Add User...
- Help

Features View Content View

Ready



Select User or Group

Select this object type:
User Object Types...

From this location:
WIN2016IIS Locations...

Enter the object name to select (examples):
Administrator Check Names

Advanced... OK Cancel

Allow User...

Select the type of user:

Windows
WIN2016IIS\Administrator Select...

IIS Manager
Select...

OK Cancel

Internet Information Services (IIS) Manager

WIN2016IIS > Sites > mysite.com

File View Help

Connections

- Start Page
- WIN2016IIS (CALLVA)
- Application Pool
- Sites
 - demo
 - demo.v2mysite.com
 - myftp
 - mysite.com
 - ssl.v2mysite.com
 - v2mysite.com
 - v4mysite.com

IIS Manager Permissions

Group by: No Grouping

Name	Path	Level
WIN2016IIS\Administrator	mysite.com	Site

Alerts

The server is configured to accept connections only from accounts with Windows credentials.

Actions

- Allow User...
- Deny User

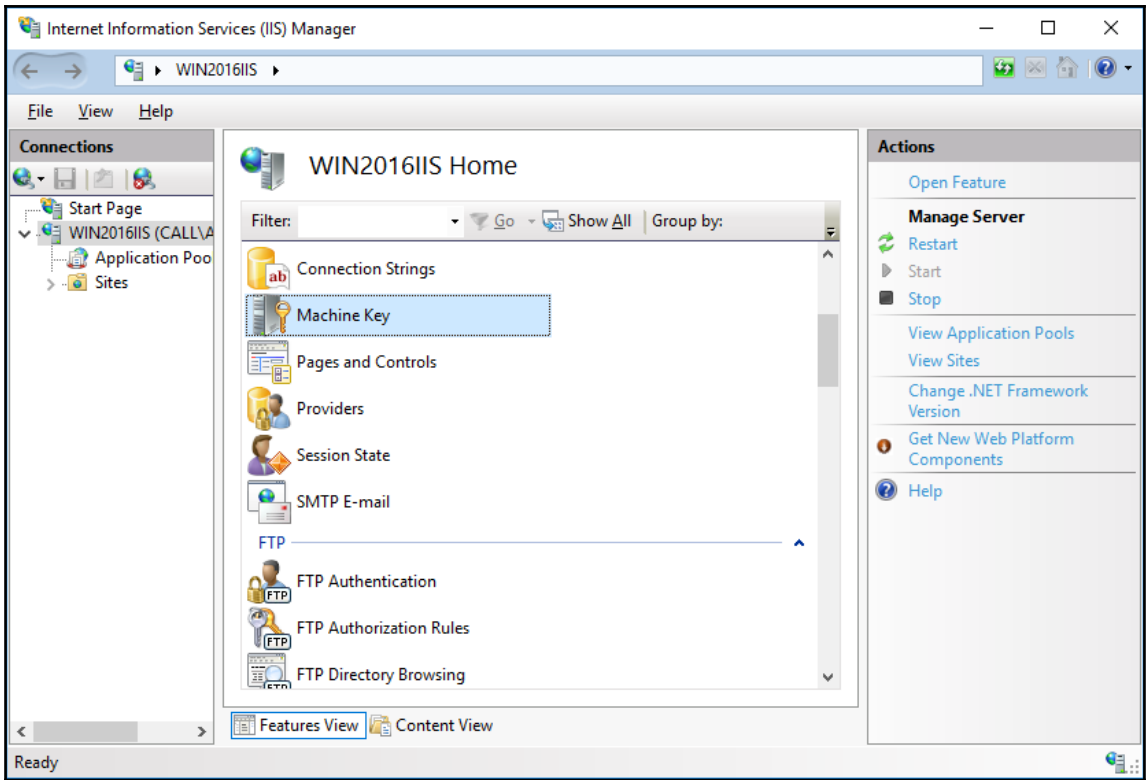
View

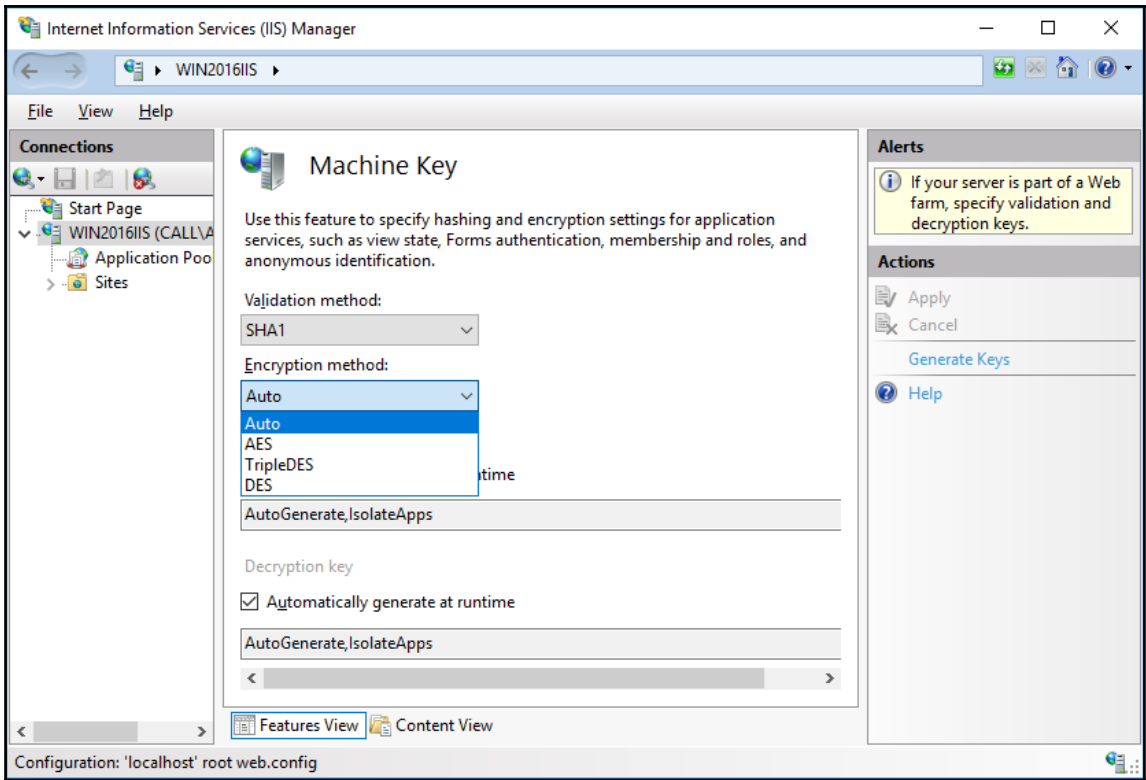
- Show All Users
- Show Only Site Users

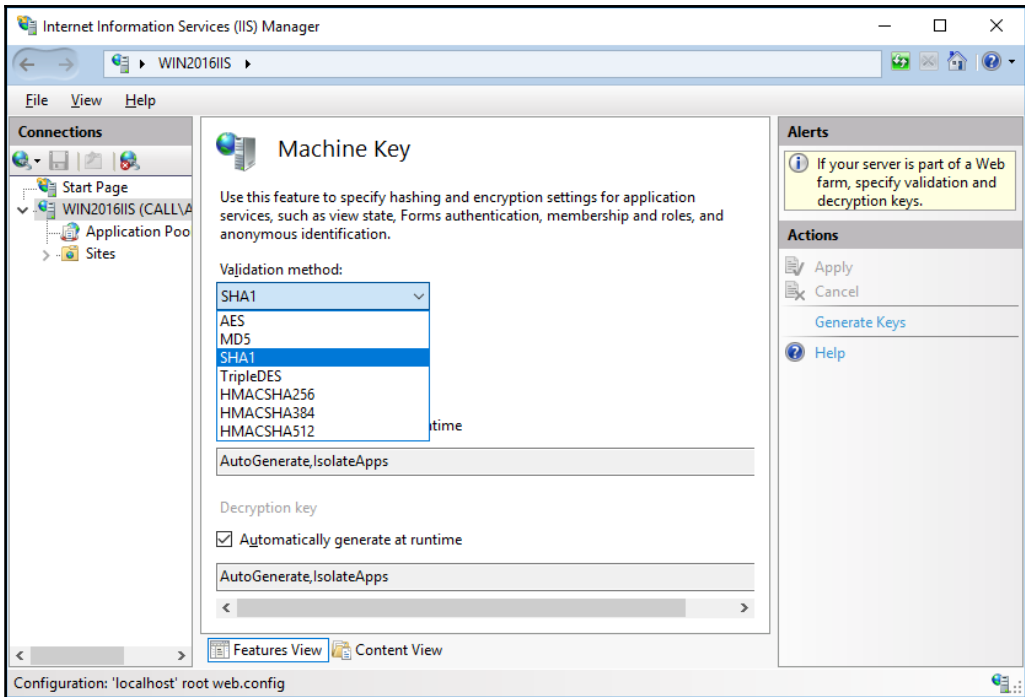
Help

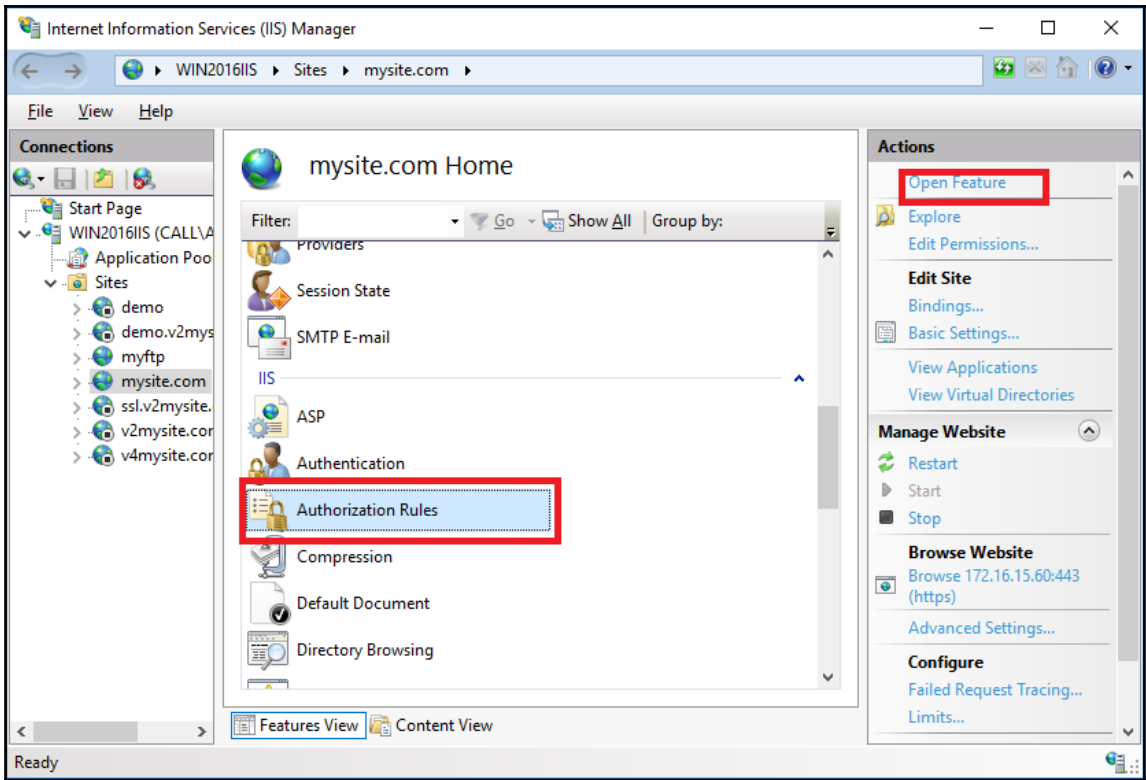
Features View Content View

Ready









Internet Information Services (IIS) Manager

WIN2016IIS > Sites > mysite.com

File View Help

Connections

- Start Page
- WIN2016IIS (CALLVA)
- Application Pool
- Sites
 - demo
 - demo.v2mys
 - myftp
 - mysite.com
 - ssl.v2mysite.
 - v2mysite.cor
 - v4mysite.cor

.NET Authorization Rules

Use this feature to specify rules for authorizing users to access websites and applications.

Mode	Users	Roles	Verbs
Allow	All Users		

Features View Content View

Configuration: 'mysite.com' web.config

Actions

- Add Allow Rule...
- Add Deny Rule...

Related Features

- Users
- Roles
- Help

Add Allow Authorization Rule ? X

Allow access to this Web content to:

All users

All anonymous users

Specified roles or user groups:

Example: Administrators

Specified users:

Example: User1, User2

Apply this rule to specific verbs:

Example: GET, POST

OK Cancel

Add Deny Authorization Rule ? ×

Deny access to this Web content to:

All users

All anonymous users

Specified roles or user groups:

Example: Administrators

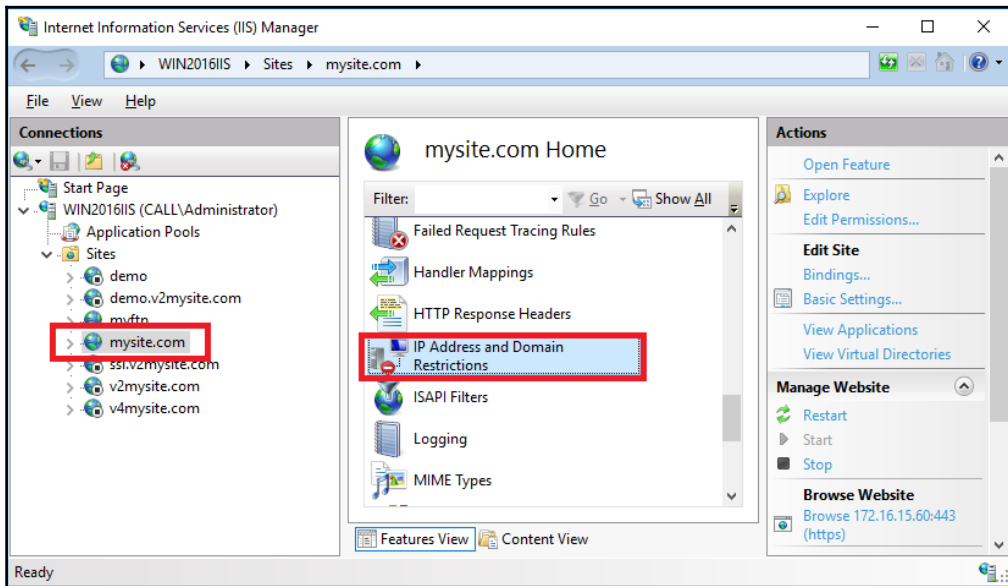
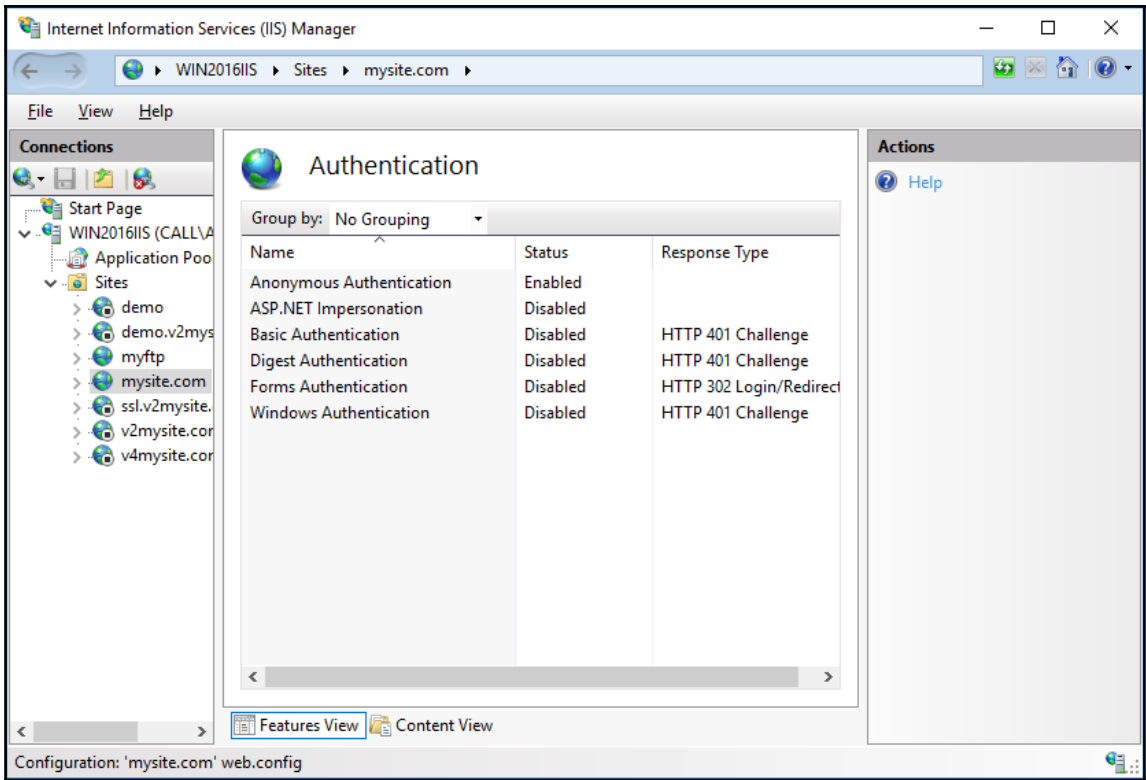
Specified users:

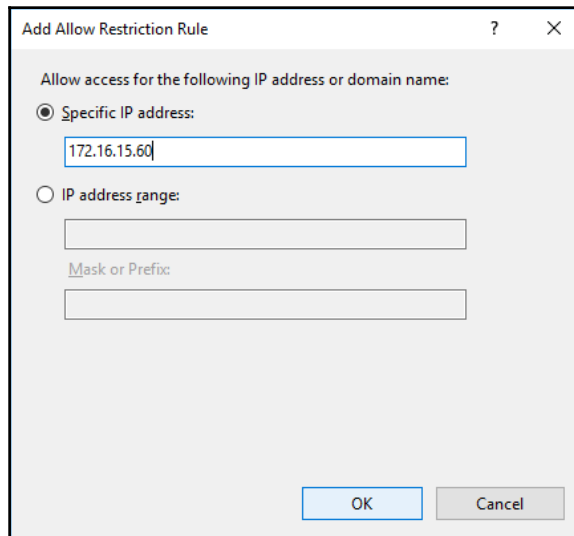
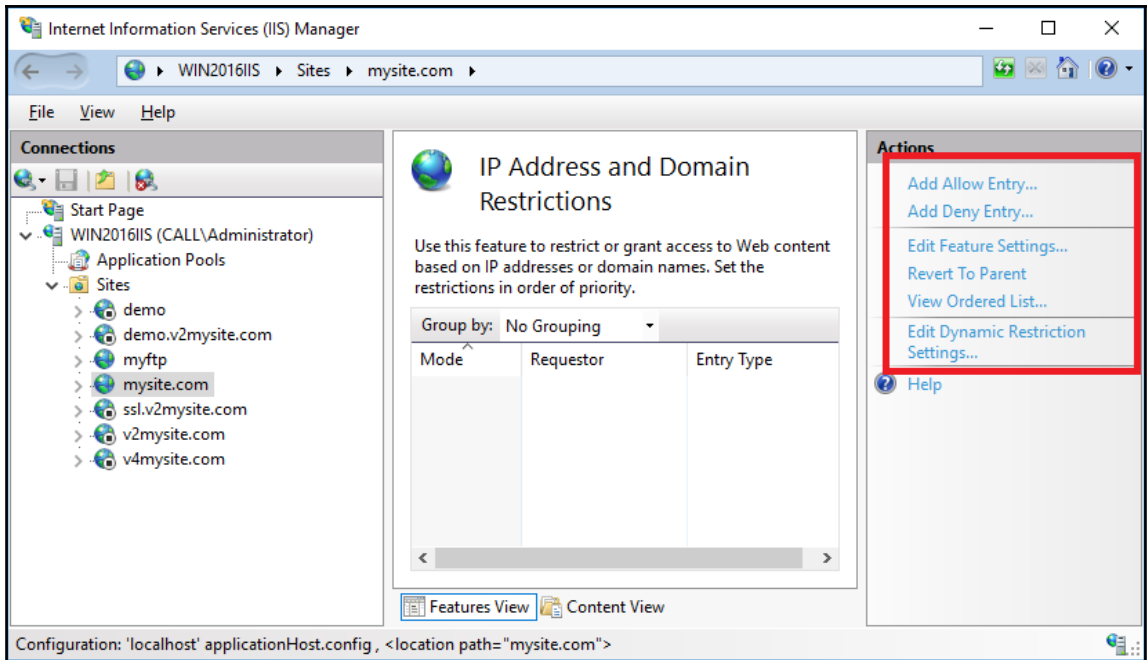
Example: User1, User2

Apply this rule to specific verbs:

Example: GET, POST

OK Cancel





Add Deny Restriction Rule ? X

Deny access to the following IP address or domain name:

Specific IP address:

IP address range:

Mask or Prefix:

OK Cancel

Dynamic IP Restriction Settings ? X

Deny IP Address based on the number of concurrent requests

Maximum number of concurrent requests:

Deny IP Address based on the number of requests over a period of time

Maximum number of requests:

Time Period (in milliseconds):

Enable Logging Only Mode

OK Cancel

Internet Information Services (IIS) Manager

WIN2016IIS > Sites > mysite.com

IP Address and Domain Restrictions

Use this feature to restrict or grant access to Web content based on IP addresses or domain names. Set the restrictions in order of priority.

Group by: No Grouping

Mode	Requestor	Entry Type
Allow	172.16.15.60	Local
Deny	172.16.15.65	Local

Configuration: 'localhost' applicationHost.config, <location path="mysite.com">

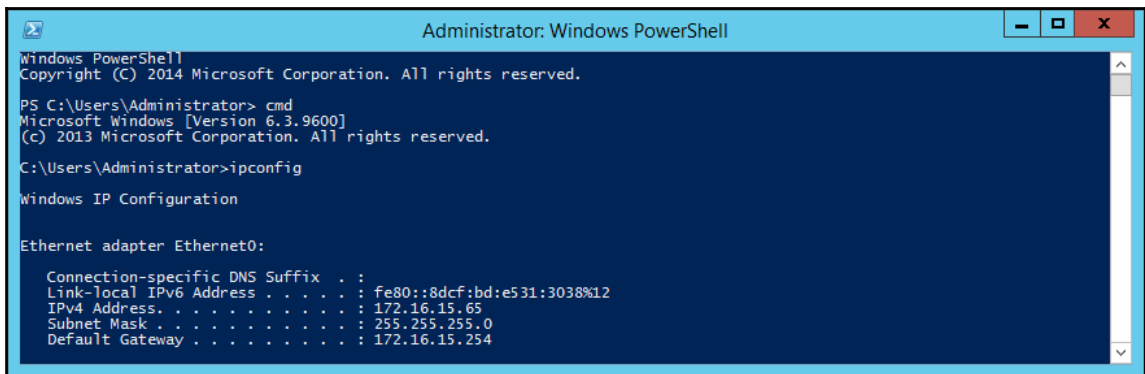
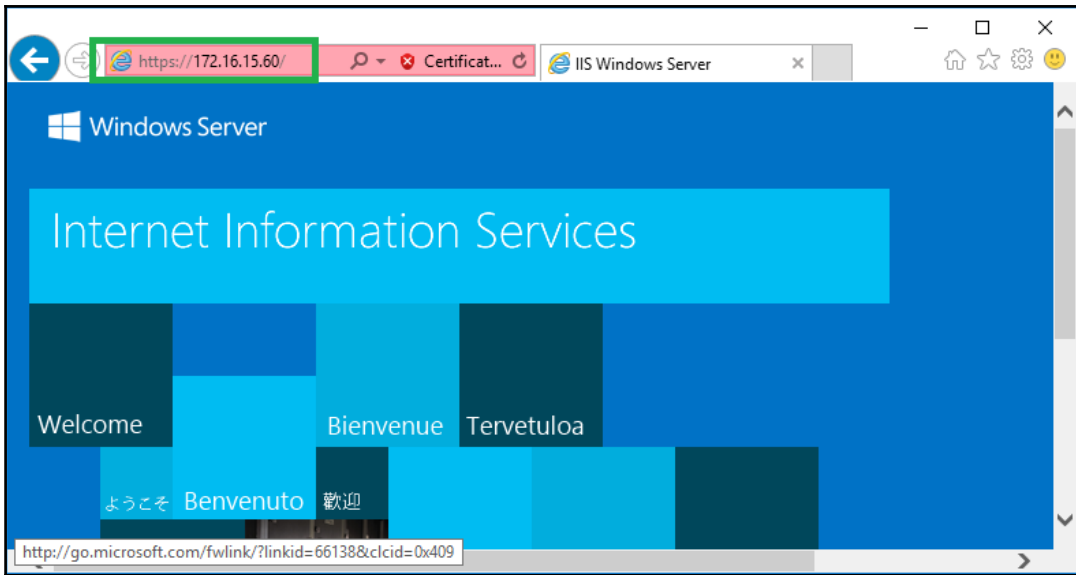
```
Administrator: C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.14393]
(c) 2016 Microsoft Corporation. All rights reserved.

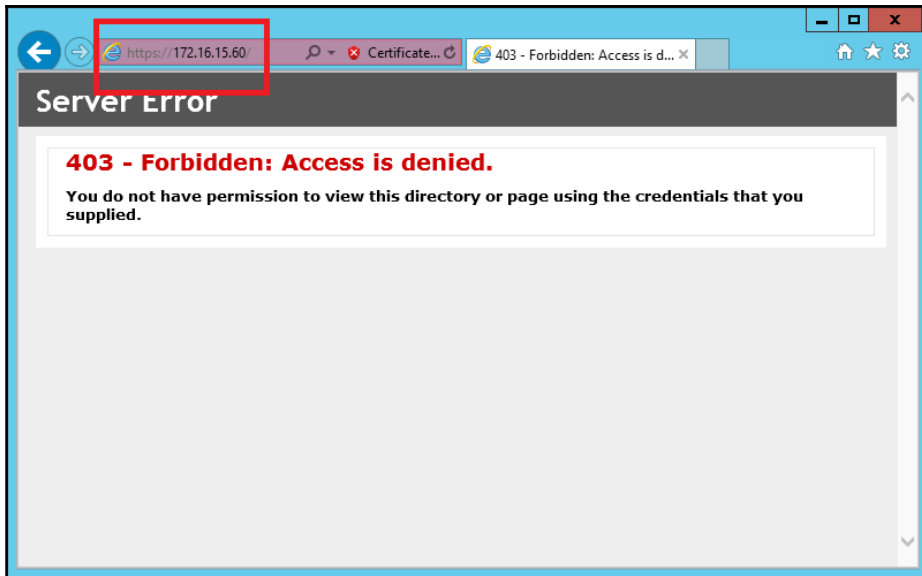
C:\Users\administrator.CALL>ipconfig

Windows IP Configuration

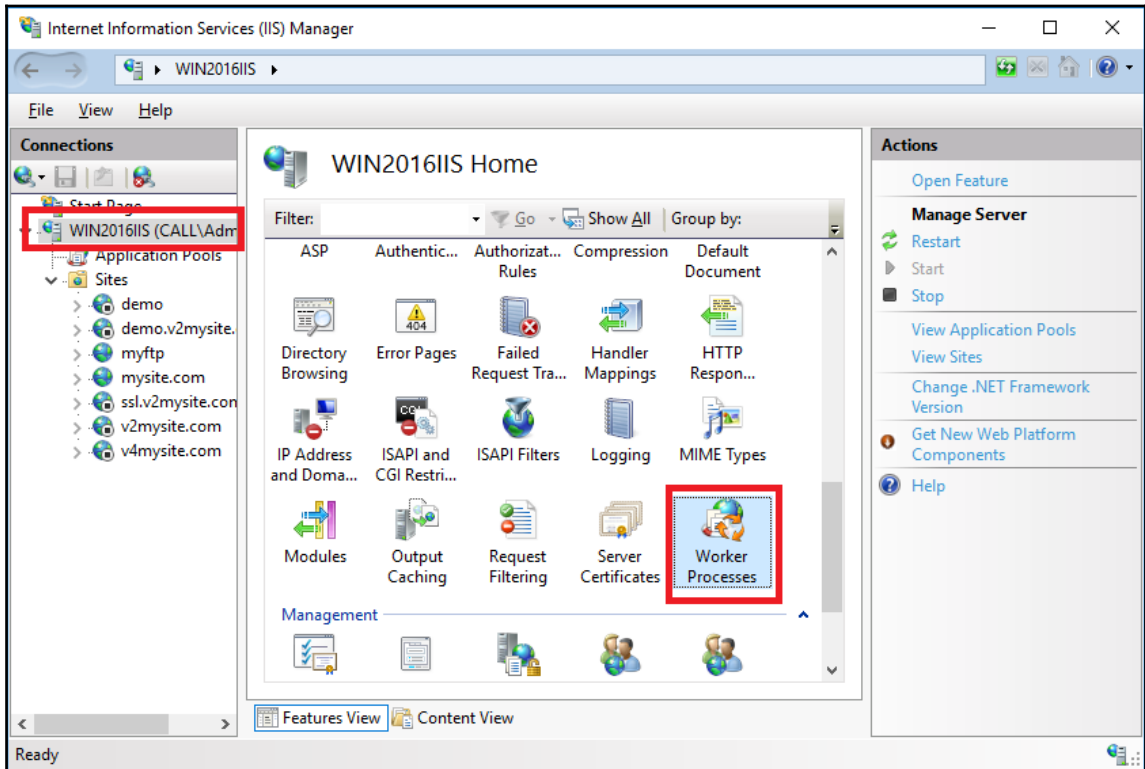
Ethernet adapter Ethernet:

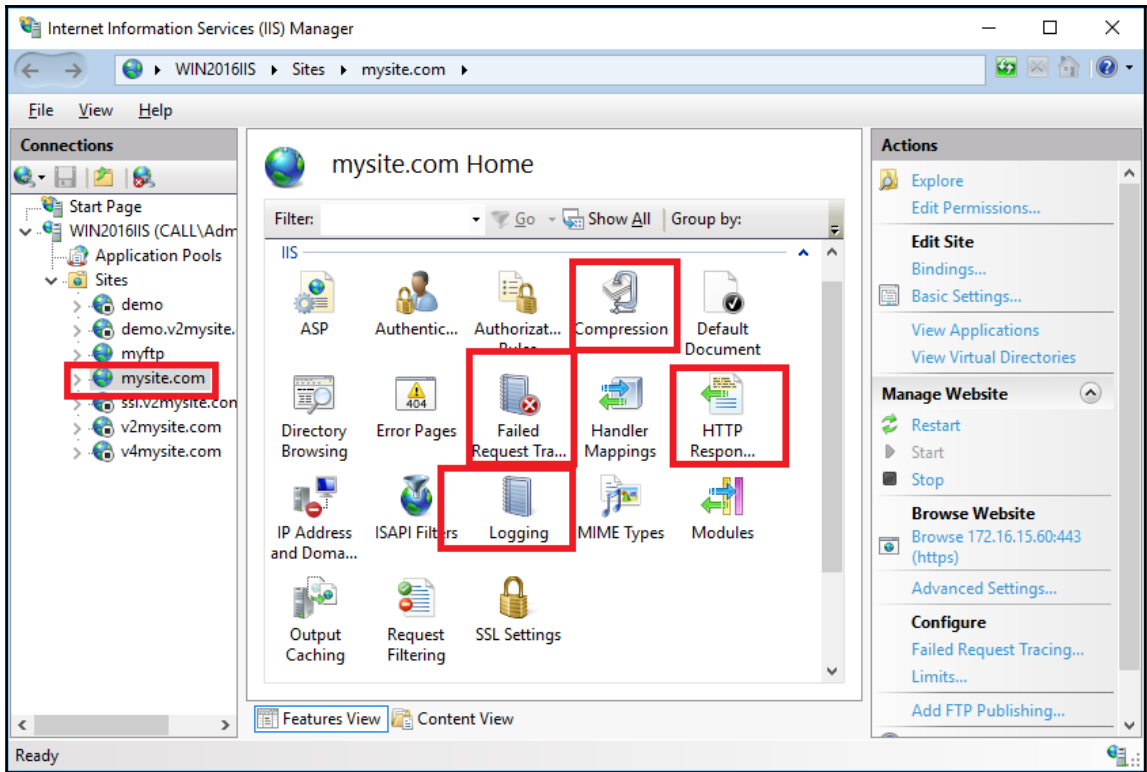
    Connection-specific DNS Suffix . . . : 
    Link-local IPv6 Address . . . . . : fe80::a460:fc3:9780:3156%3
    IPv4 Address. . . . . : 172.16.15.60
    Subnet Mask . . . . . : 255.255.255.0
    IPv4 Address. . . . . : 172.10.15.01
    Subnet Mask . . . . . : 255.255.255.0
```





Chapter 13: Managing and Troubleshooting IIS 10.0





Server Manager

Dashboard

Manage Tools View Help

Dashboard

- Local Server
- All Servers
- File and Storage Services
- IIS
- WDS

WELCOME TO SERVER MANAGER

1 Configure this local server

2 Add roles and features

3 Add other servers to manage

4 Create a server group

5 Connect this server to cloud services

Hide

QUICK START

WHAT'S NEW

LEARN MORE

ROLES AND SERVER GROUPS

Roles: 3 | Server groups: 1 | Servers total: 2

File and Storage

Add Roles and Features Wizard [Window Title Bar]

DESTINATION SERVER
WIN2016IIS.Call.com

Select server roles

Select one or more roles to install on the selected server.

Before You Begin
Installation Type
Server Selection
Server Roles
Features
Confirmation
Results

Roles

- Print and Document Services
- Remote Access
- Remote Desktop Services
- Volume Activation Services
- Web Server (IIS) (30 of 43 installed)**
 - Web Server (25 of 34 installed)**
 - Common HTTP Features (4 of 6 installed)**
 - Health and Diagnostics (3 of 6 installed)**
 - HTTP Logging (Installed)
 - Custom Logging
 - Logging Tools
 - ODBC Logging**
 - Request Monitor (Installed)
 - Tracing (Installed)
 - Performance (1 of 2 installed)
 - Security (Installed)
 - Application Development (8 of 11 installed)
 - FTP Server (Installed)
 - Management Tools (3 of 7 installed)

Description

ODBC Logging provides infrastructure that supports logging Web server activity to an ODBC-compliant database. With a logging database, you can programmatically display and manipulate data from the logging database on an HTML page. You might do this to search logs for specific events to call out user defined events that you want to monitor.

< Previous Next > Install Cancel

Add Roles and Features Wizard

DESTINATION SERVER
WIN2016IIS.Call.com

Select server roles

Before You Begin
Installation Type
Server Selection
Server Roles
Features
Confirmation
Results

Select one or more roles to install on the selected server.

Roles

- MultiPoint Services
- Network Controller
- Network Policy and Access Services
- Print and Document Services
- Remote Access
- Remote Desktop Services
- Volume Activation Services
- Web Server (IIS) (30 of 43 installed)
 - Web Server (25 of 34 installed)
 - Common HTTP Features (4 of 6 installed)
 - Health and Diagnostics (3 of 6 installed)
 - Performance (1 of 2 installed)
 - Static Content Compression (Installed)
 - Dynamic Content Compression
 - Security (Installed)
 - Application Development (8 of 11 installed)
 - FTP Server (Installed)
 - Management Tools (3 of 7 installed)
 - Windows Deployment Services (Installed)

Description

Dynamic Content Compression provides infrastructure to configure HTTP compression of dynamic content. Enabling dynamic compression always gives you more efficient utilization of bandwidth, but if your server's processor utilization is already very high, the CPU load imposed by dynamic compression might make your site perform more slowly.

< Previous Next > Install Cancel

Confirm installation selections

Before You Begin

Installation Type

Server Selection

Server Roles

Features

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.

Web Server (IIS)
Web Server
 Health and Diagnostics
 Custom Logging
 Logging Tools
 ODBC Logging
 Performance
 Dynamic Content Compression

[Export configuration settings](#)
[Specify an alternate source path](#)

< Previous

Next >

Install

Cancel

Installation progress

DESTINATION SERVER
WIN2016IIS.Call.com

- Before You Begin
- Installation Type
- Server Selection
- Server Roles
- Features
- Confirmation
- Results**

View installation progress

Feature installation

Installation succeeded on WIN2016IIS.Call.com.

Web Server (IIS)

Web Server

Health and Diagnostics

Custom Logging

Logging Tools

ODBC Logging

Performance

Dynamic Content Compression



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.

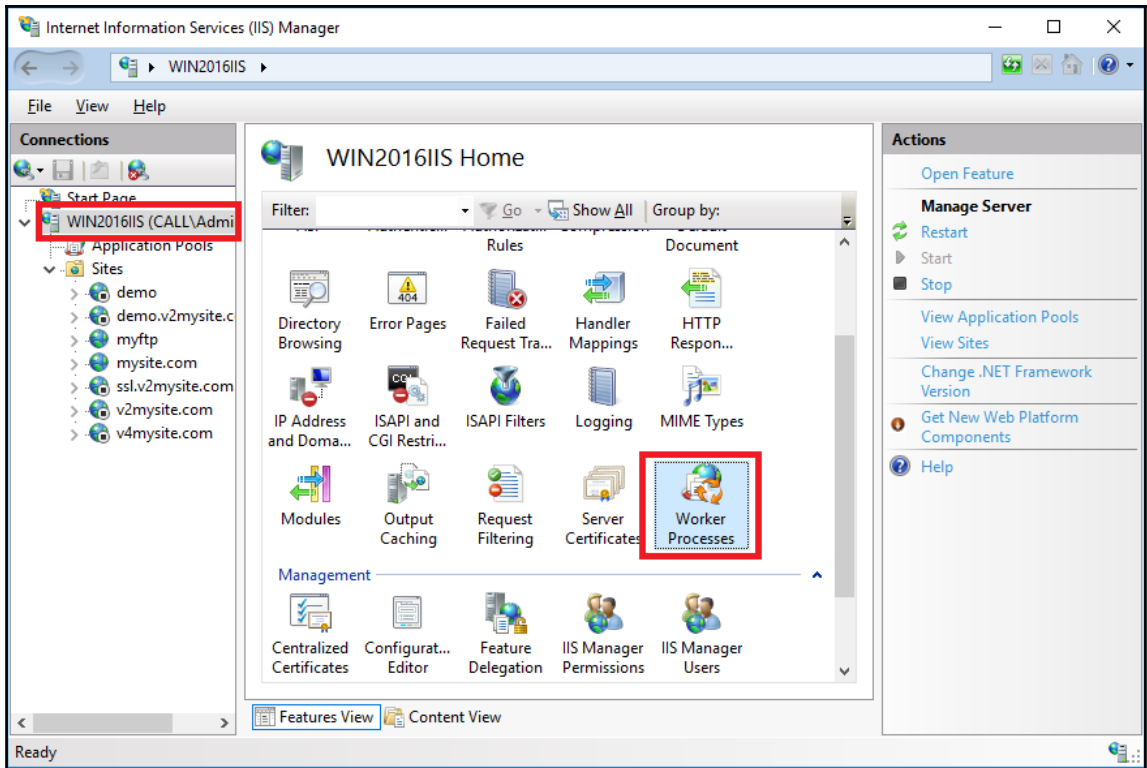
[Export configuration settings](#)

< Previous

Next >

Close

Cancel



Internet Information Services (IIS) Manager

WIN2016IIS

File View Help

Connections

- Start Page
- WIN2016IIS (CALL\Admin) [Red Box]
- Application Pools
- Sites
 - demo
 - demo.v2mysite.c
 - myftp
 - mysite.com
 - ssl.v2mysite.com
 - v2mysite.com
 - v4mysite.com

Worker Processes

Use this feature to view information about worker processes running on the Web server and about requests running inside those worker processes

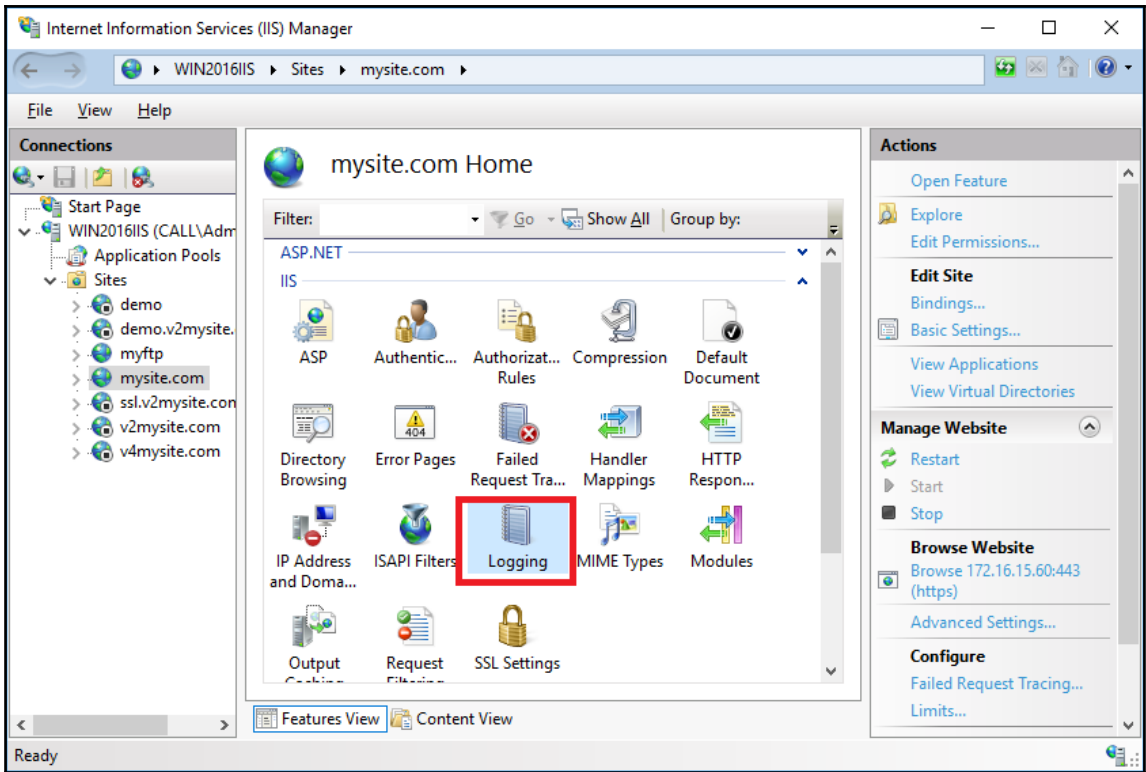
Application Pool Name	Pro...	State	CPU %	Private Bytes (KB)
-----------------------	--------	-------	-------	--------------------

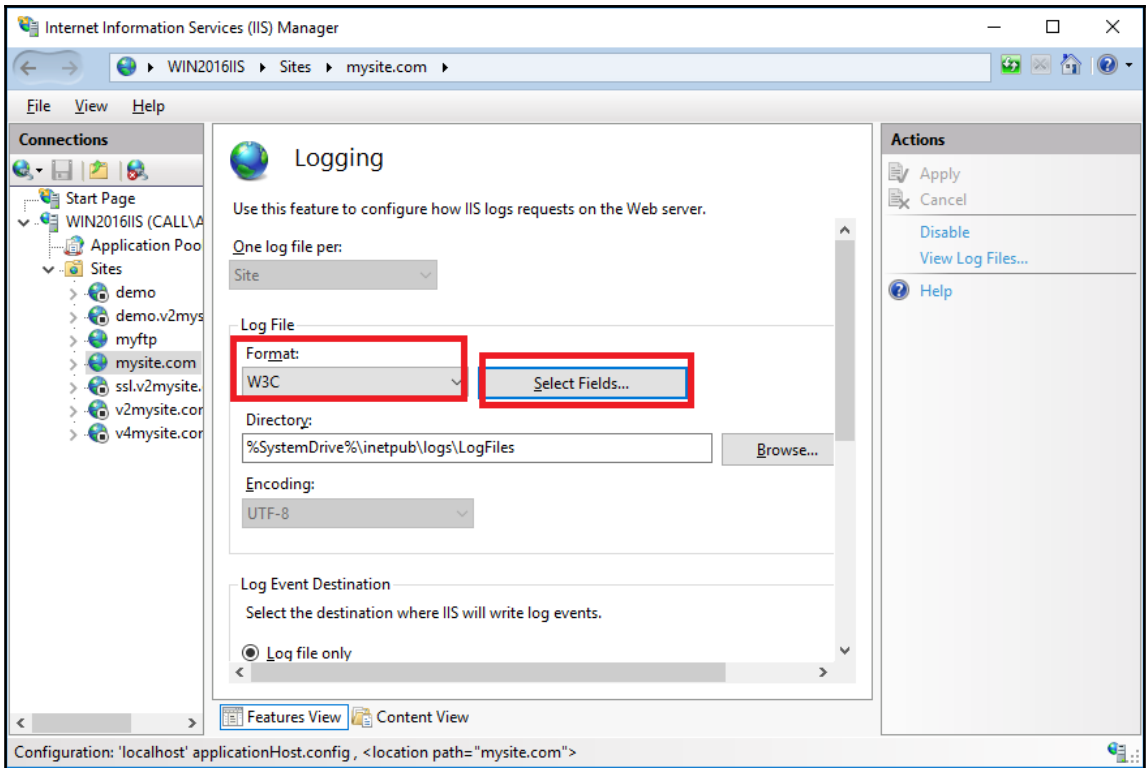
Actions

Help

Features View Content View

Ready





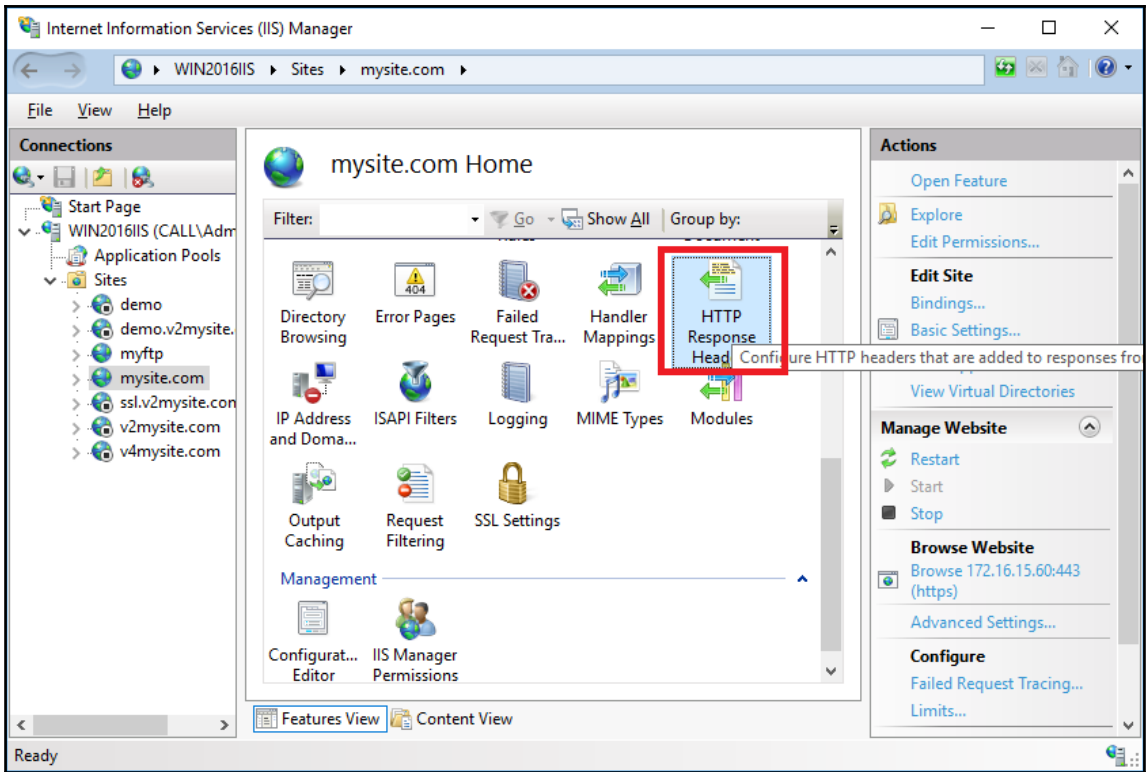
W3C Logging Fields ? X

Standard Fields:

- Date (date)
- Time (time)
- Client IP Address (c-ip)
- User Name (cs-username)
- Service Name (s-sitename)
- Server Name (s-computername)
- Server IP Address (s-ip)
- Server Port (s-port)
- Method (cs-method)
- URI Stem (cs-uri-stem)
- URI Query (cs-uri-query)
- Protocol Status (sc-status)
- Protocol Substatus (sc-substatus)

Custom Fields:

Log Field	Source Type	Source



Internet Information Services (IIS) Manager

WIN2016IIS > Sites > mysite.com

File View Help

Connections

- Start Page
- WIN2016IIS (CALL\Adm
- Application Pools
- Sites
 - demo
 - demo.v2mysite.
 - myftp
 - mysite.com
 - ssl.v2mysite.com
 - v2mysite.com
 - v4mysite.com

HTTP Response Headers

Use this feature to configure HTTP headers that are added to responses from the Web server.

Group by: No Grouping

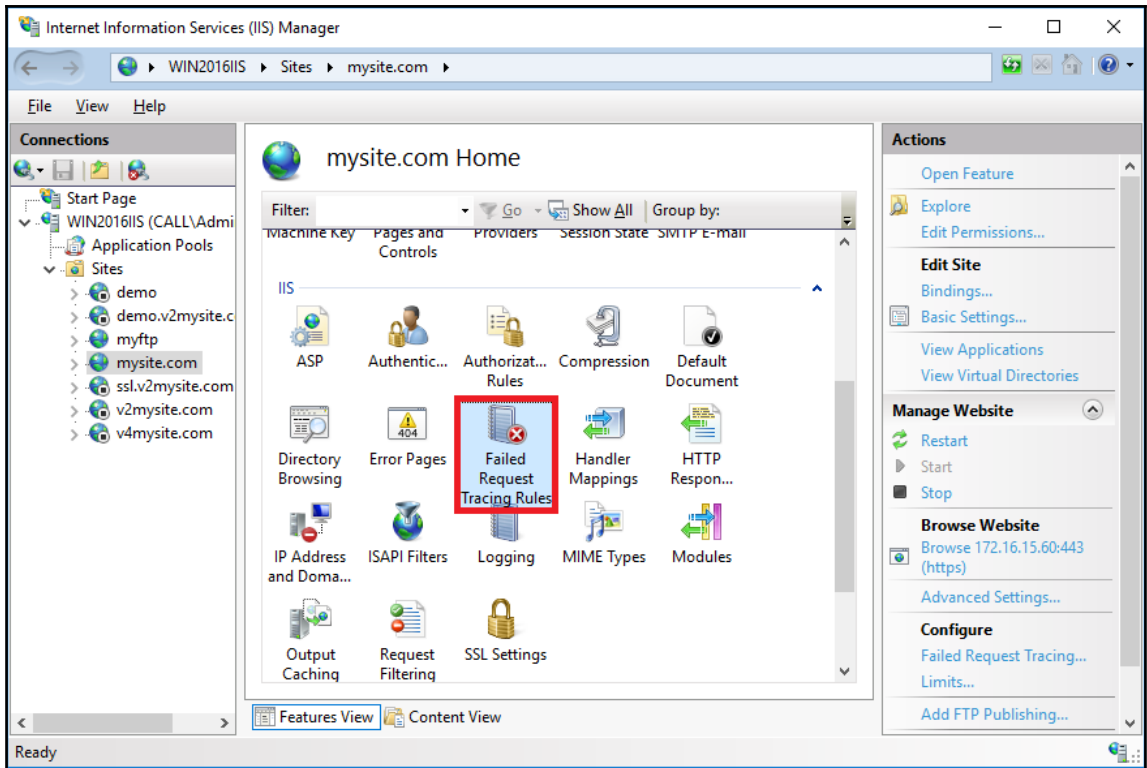
Name	Value	Entry Type
Test	Hello	Local
X-Powered-By	ASP.NET	Inherited

Actions

- Add...
- Set Common Headers...
- Edit
- Remove**
- Help

Features View Content View

Configuration: 'mysite.com' web.config



Internet Information Services (IIS) Manager

WIN2016IIS > Sites > mysite.com

File View Help

Connections

- Start Page
- WIN2016IIS (CALL\Admi)
- Application Pools
- Sites
 - demo
 - demo.v2mysite.c
 - myftp
 - mysite.com
 - ssl.v2mysite.com
 - v2mysite.com
 - v4mysite.com

Failed Request Tracing Rules

Use this feature to configure tracing for failed requests. A request trace is logged either when an error status code is generated or when the time taken for the request exceeds a specified duration. If both conditions have been fulfilled, the first condition that is met will generate the request trace.

Group by: No Grouping

Path	Associated Provid...	Status Codes
------	----------------------	--------------

Features View Content View

Configuration: 'mysite.com' web.config

Alerts

Failed request tracing is not enabled for this website. To enable and configure logging of failed requests for this website, click here.

Actions

- Add...
- Revert To Parent
- View Ordered List...
- View Trace Logs...
- Edit Site Tracing...
- Help



Define Trace Conditions

Under which condition(s) should a request be traced?

Status code(s):

401.3

Example: 401.3-999,405

Time taken (in seconds):

Event severity:

Error

Previous

Next

Finish

Cancel



Select Trace Providers

Providers:

- ASP
- ASPNET
- ISAPI Extension
- WWW Server

Provider Properties

Verbosity:

Areas:

Previous

Next

Finish

Cancel

Internet Information Services (IIS) Manager

WIN2016IIS > Sites > mysite.com

Failed Request Tracing Rules

Use this feature to configure tracing for failed requests. A request trace is logged either when an error status code is generated or when the time taken for the request exceeds a specified duration. If both conditions have been fulfilled, the first condition that is met will generate the request trace.

Group by: No Grouping

Path	Associated Provid...	Status Codes
*	ASP, ASPNET, ISAPI...	401.3

Configuration: 'mysite.com' web.config

Alerts

- Failed request tracing is not enabled for this website. To enable and configure logging of failed requests for this website, click here.

Actions

- Add...
- Edit...
- Remove
- Revert To Parent
- View Ordered List...
- View Trace Logs...
- Edit Site Tracing...
- Help

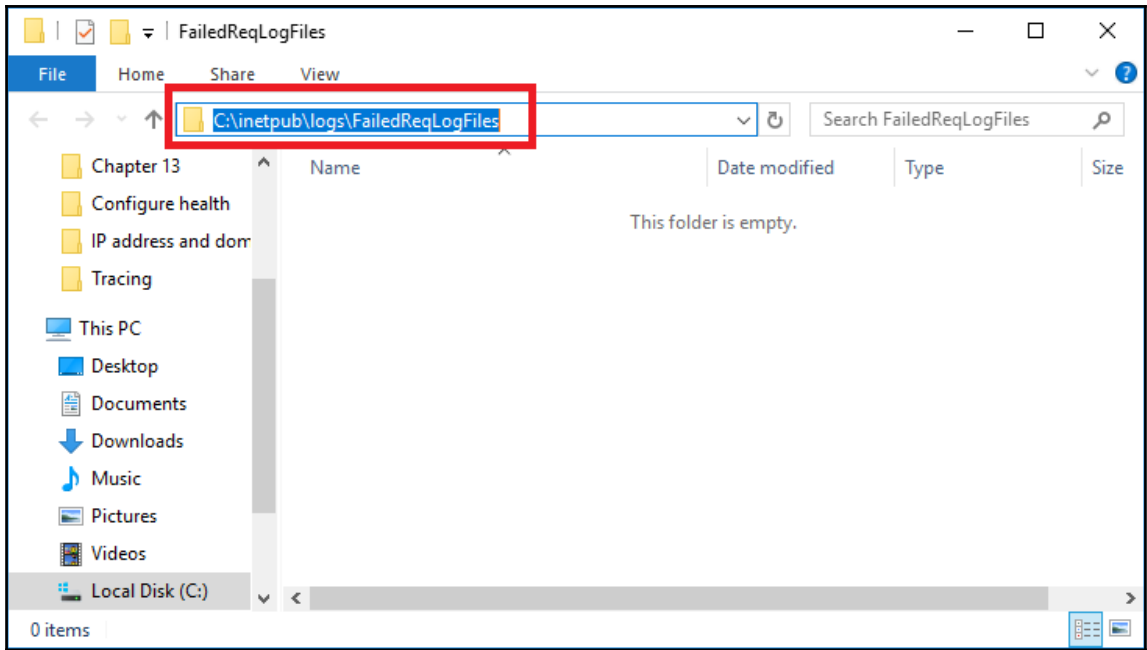
Edit Website Failed Request Tracing Settings

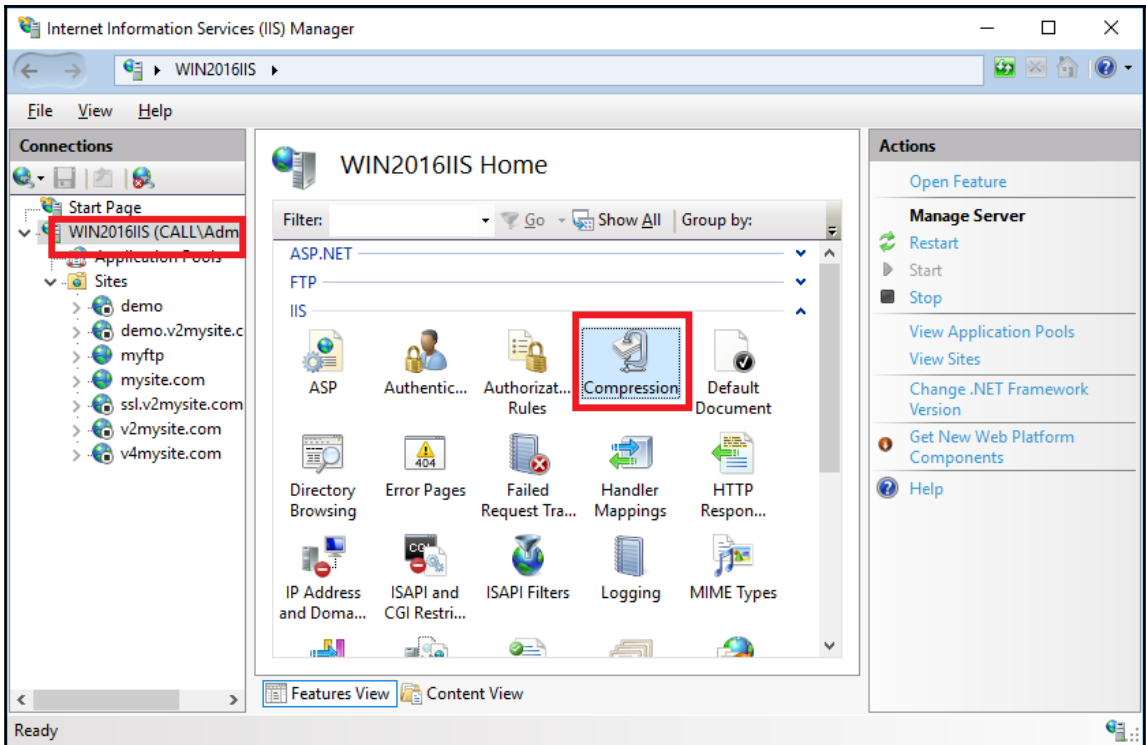
Enable

Directory:
%SystemDrive%\inetpub\logs\FailedReqLogFiles

Maximum number of trace files:
50

OK Cancel





Internet Information Services (IIS) Manager

WIN2016IIS

File View Help

Connections

- Start Page
- WIN2016IIS (CALL\Adm)
- Application Pools
- Sites
 - demo
 - demo.v2mysite.c
 - myftp
 - mysite.com
 - ssl.v2mysite.com
 - v2mysite.com
 - v4mysite.com

Compression

Use this feature to configure settings for compression of responses. This can improve the perceived performance of a website greatly and reduce bandwidth-related charges.

Enable static content compression

Static Compression

Only compress files larger than (in bytes):
2700

Cache directory:
%SystemDrive%\inetpub\temp\IIS Temporary Compressed Files

Per application pool disk space limit (in MB):
100

Alerts

Use of dynamic compression may increase processor utilization and reduce the overall performance of the server.

Actions

- Apply
- Cancel
- Help

Features View Content View

Configuration: 'localhost' applicationHost.config

