

Dream Report® Tech Note Revised: November 20, 2017

Manual Configuration of IIS for use with Dream Report Web Portal

Introduction

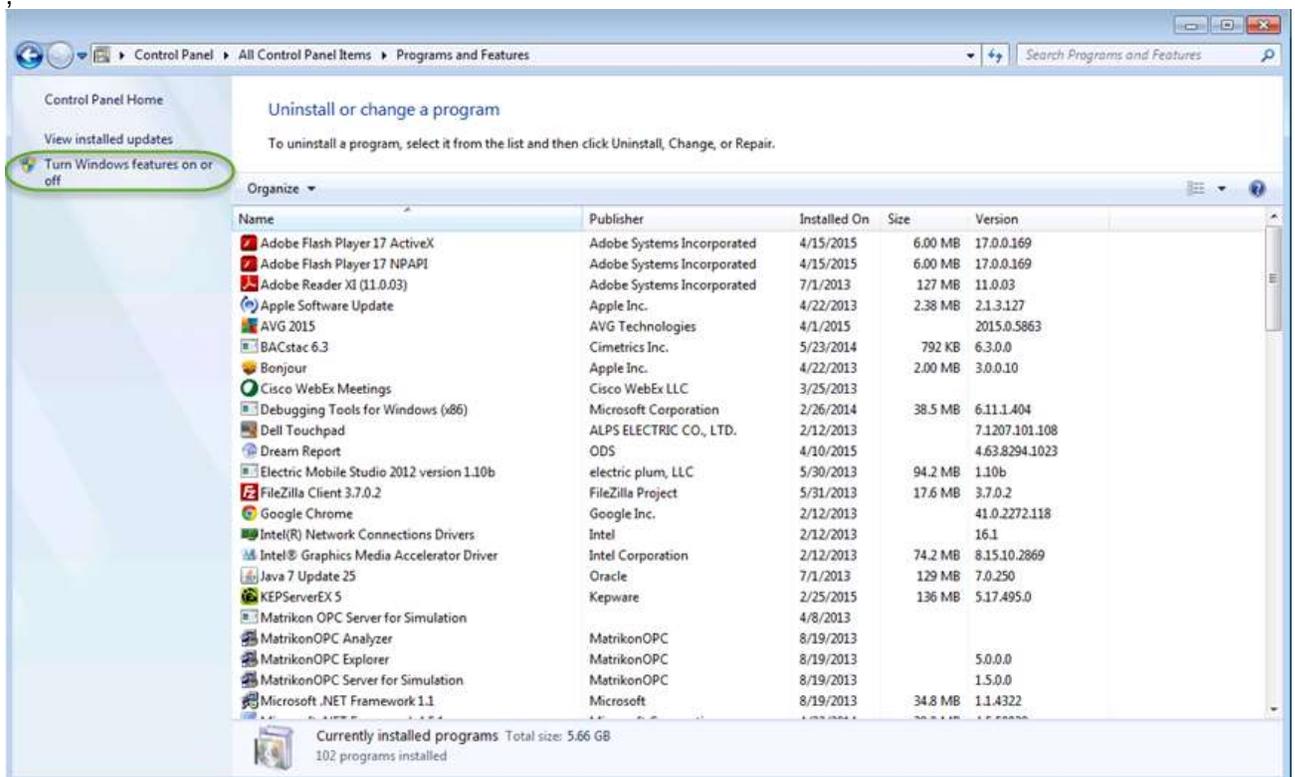
Before installing Dream Report with the Web Portal option, IIS needs to be enabled/configured with specific options, as described below. Those actions are required prior to Dream Report installation, and don't have to be performed again when creating/running a new project.

Steps to follow:

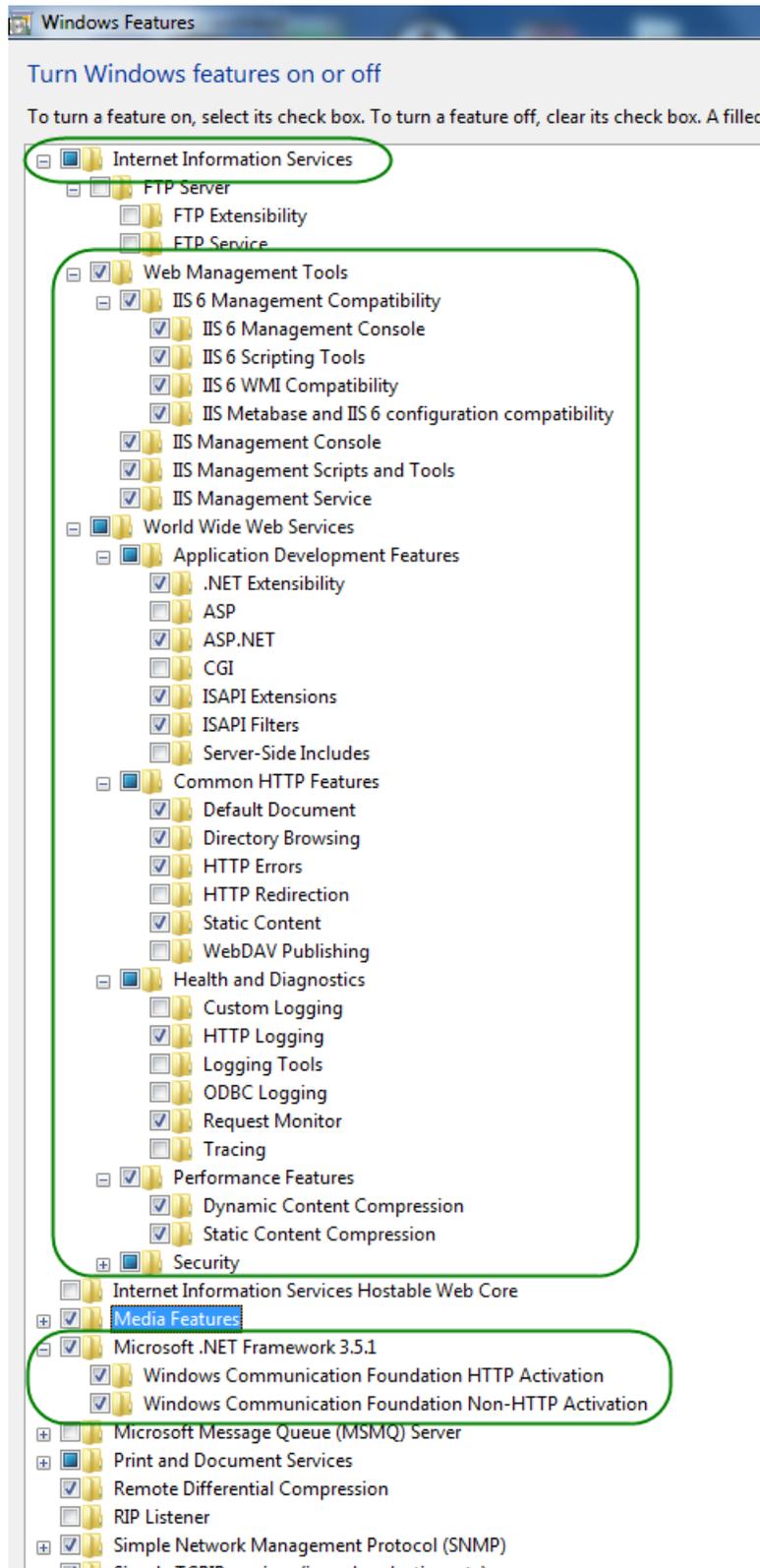
1. Log in to Windows as a System Administrator.
2. Ensure that the computer on which you are installing Dream Report has Microsoft **.Net Framework version 4.6 or later** installed
3. Configure Internet Information Services, specific to the Windows operating system being used:

3.1 Configuring IIS on Windows 7:

- Open the **Programs and Features** window from the *Control Panel* -> *Programs and Features* on your PC and click on *Turn Windows features on or off*, as shown below:

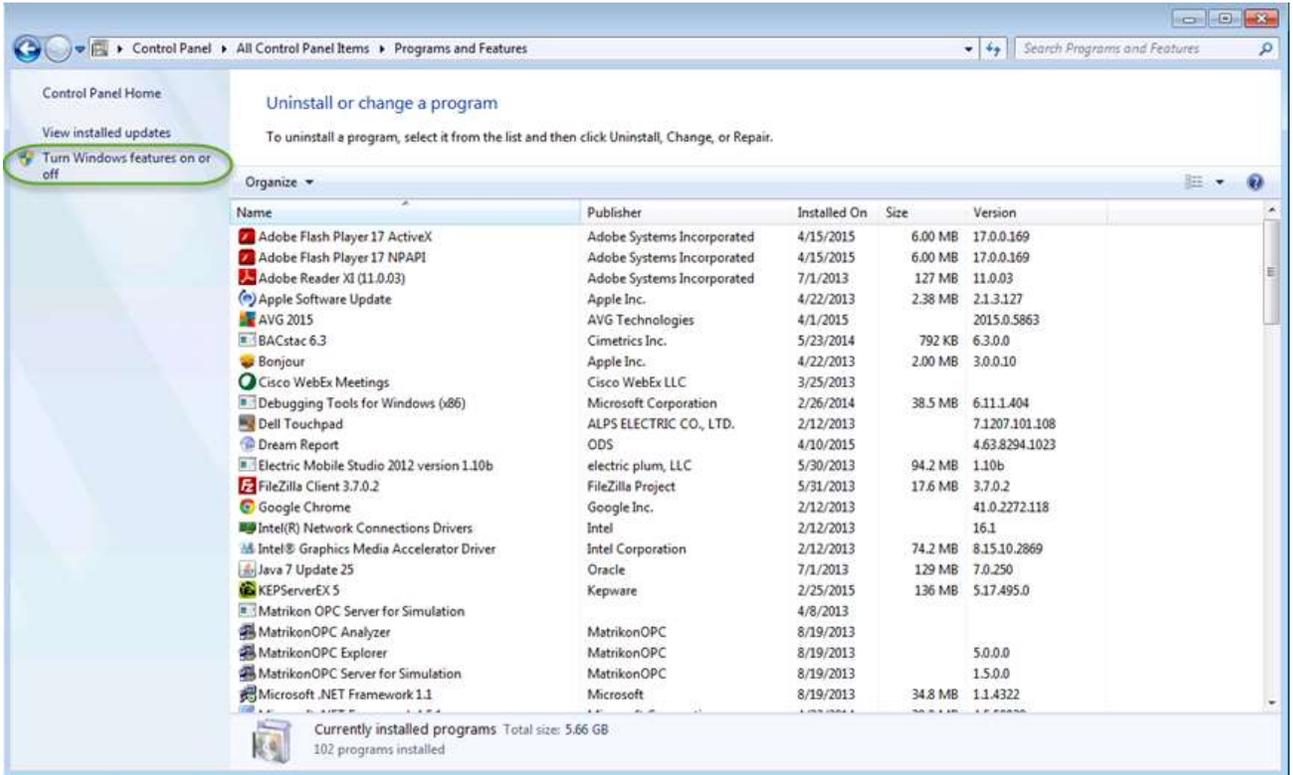


- Expand the *Internet Information Services* section in the list of Windows features and make sure that all the following components are enabled (please see the checked items in the image below):



3.2 Configuring IIS on [Windows 8](#):

- Open the Windows **Control Panel**
- Open the **Programs and Features** window from the *Control Panel -> Programs and Features* on your PC and click the *Turn Windows features on or off* option, as shown below:



- Please make sure that the following components are enabled (the checked items in the following images):

 Windows Features

Turn Windows features on or off

To turn a feature on, select its checkbox. To turn a feature off, clear its checkbox. A filled box means that only pa

- .NET Framework 3.5 (includes .NET 2.0 and 3.0)
 - Windows Communication Foundation HTTP Activation
 - Windows Communication Foundation Non-HTTP Activation
- .NET Framework 4.6 Advanced Services
 - ASP.NET 4.6
 - WCF Services
 - HTTP Activation
 - Message Queuing (MSMQ) Activation
 - Named Pipe Activation
 - TCP Activation
 - TCP Port Sharing
- Active Directory Lightweight Directory Services
- Embedded Boot Experience
- Embedded Logon
- Embedded Shell Launcher
- Hyper-V
- Internet Explorer 11
- Internet Information Services
 - FTP Server
 - Web Management Tools
 - IIS 6 Management Compatibility
 - IIS 6 Management Console
 - IIS 6 Scripting Tools
 - IIS 6 WMI Compatibility
 - IIS Metabase and IIS 6 configuration compatibility
 - IIS Management Console
 - IIS Management Scripts and Tools
 - IIS Management Service
- World Wide Web Services
 - Internet Information Services Hostable Web Core
- Legacy Components
- Media Features
- Microsoft Message Queue (MSMQ) Server
- Microsoft Print to PDF
- MultiPoint Connector
- Print and Document Services
- RAS Connection Manager Administration Kit (CAK)
- Remote Differential Compression API Support
- RIP Listener
- Services for NFS
- Simple Network Management Protocol (SNMP)
- Simple TCP/IP services (i.e. echo, daytime etc)
- SMB 1.0/CIFS File Sharing Support
- Telnet Client
- TFTP Client
- Unified Write Filter
- Windows Identity Foundation 3.5
- Windows PowerShell 2.0
- Windows Process Activation Service

 Windows Features

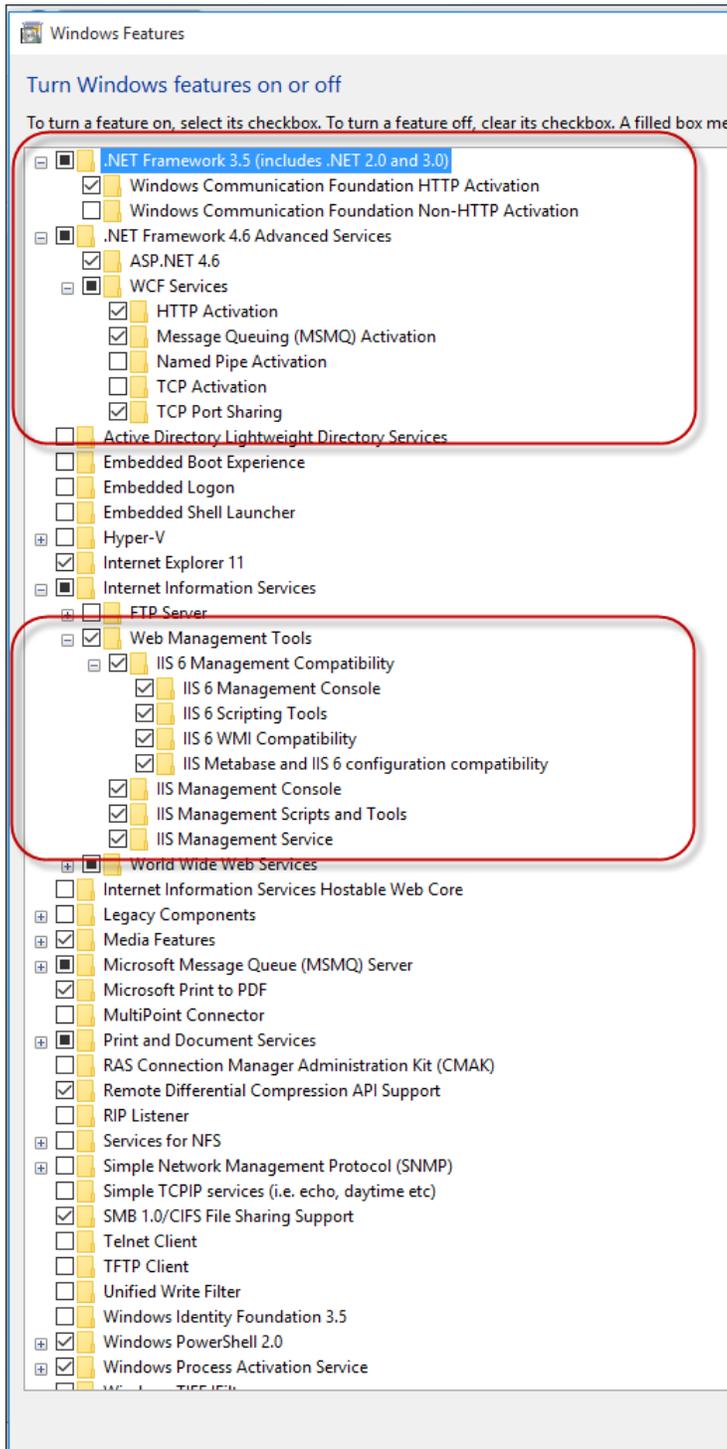
Turn Windows features on or off

To turn a feature on, select its checkbox. To turn a feature off, clear its checkbox. A filled box means that only part of the feature is

- .NET Framework 3.5 (includes .NET 2.0 and 3.0)
- .NET Framework 4.6 Advanced Services
- Active Directory Lightweight Directory Services
- Embedded Boot Experience
- Embedded Logon
- Embedded Shell Launcher
- Hyper-V
- Internet Explorer 11
- Internet Information Services
 - FTP Server
 - Web Management Tools
 - World Wide Web Services
 - Application Development Features
 - .NET Extensibility 3.5
 - .NET Extensibility 4.6
 - Application Initialization
 - ASP
 - ASP.NET 3.5
 - ASP.NET 4.6
 - CGI
 - ISAPI Extensions
 - ISAPI Filters
 - Server-Side Includes
 - WebSocket Protocol
 - Common HTTP Features
 - Default Document
 - Directory Browsing
 - HTTP Errors
 - HTTP Redirection
 - Static Content
 - WebDAV Publishing
 - Health and Diagnostics
 - Custom Logging
 - HTTP Logging
 - Logging Tools
 - ODBC Logging
 - Request Monitor
 - Tracing
 - Performance Features
 - Dynamic Content Compression
 - Static Content Compression
 - Security
 - Basic Authentication
 - Centralized SSL Certificate Support
 - Client Certificate Mapping Authentication
 - Digest Authentication
 - IIS Client Certificate Mapping Authentication
 - IP Security
 - Request Filtering
 - URL Authorization
 - Windows Authentication
 - Internet Information Services Hostable Web Core

3.3 Configuring IIS on [Windows 10](#):

- Click on the Windows icon in the lower-left corner of the screen, and then click [Settings](#).
- Click [Search](#) at the center of the window, and enter [Turn Windows features on or off](#) in the search box - select this option.
- Make sure that the following components are enabled (the checked items in the images below):



Windows Features

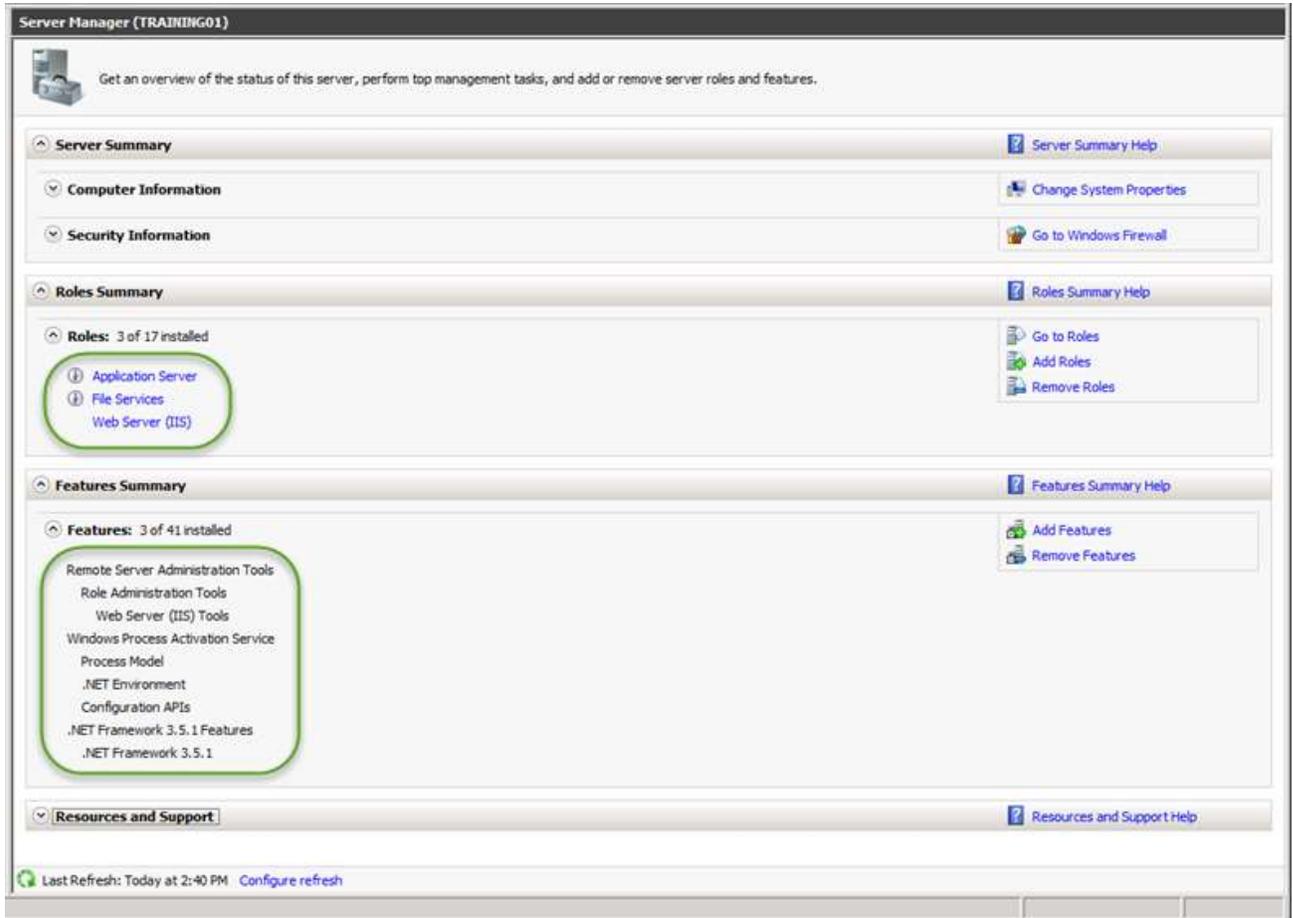
Turn Windows features on or off

To turn a feature on, select its checkbox. To turn a feature off, clear its checkbox. A filled box means

- .NET Framework 3.5 (includes .NET 2.0 and 3.0)
- .NET Framework 4.6 Advanced Services
- Active Directory Lightweight Directory Services
- Embedded Boot Experience
- Embedded Logon
- Embedded Shell Launcher
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 - Directory Browsing
 - HTTP Errors
 - HTTP Redirection
 - Static Content
 - WebDAV Publishing
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 - Custom Logging
 - HTTP Logging
 - Logging Tools
 - ODBC Logging
 - Request Monitor
 - Tracing
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3.4 Configuring IIS on [Windows Server 2008](#):

- Click [Start](#), then right-click on [Computer](#), and in the context menu select [Manage](#)
- Please select the specified features and roles:

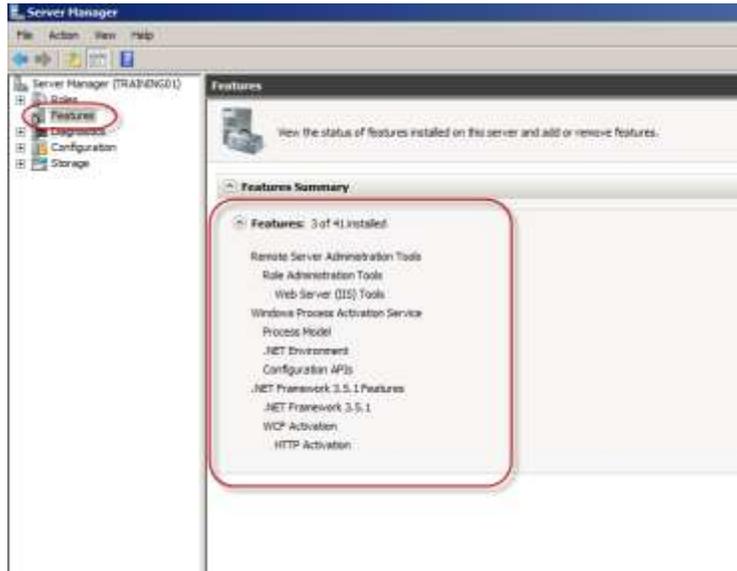


The screenshot displays the Windows Server Manager interface for a server named TRAINING01. The interface is organized into several sections:

- Server Summary:** Includes links for "Server Summary Help", "Change System Properties", and "Go to Windows Firewall".
- Roles Summary:** Shows "Roles: 3 of 17 installed". A green circle highlights the installed roles: "Application Server", "File Services", and "Web Server (IIS)". To the right are links for "Roles Summary Help", "Go to Roles", "Add Roles", and "Remove Roles".
- Features Summary:** Shows "Features: 3 of 41 installed". A green circle highlights the installed features: "Remote Server Administration Tools", "Role Administration Tools", "Web Server (IIS) Tools", "Windows Process Activation Service", "Process Model", ".NET Environment", "Configuration APIs", ".NET Framework 3.5.1 Features", and ".NET Framework 3.5.1". To the right are links for "Features Summary Help", "Add Features", and "Remove Features".
- Resources and Support:** Includes a link for "Resources and Support Help".

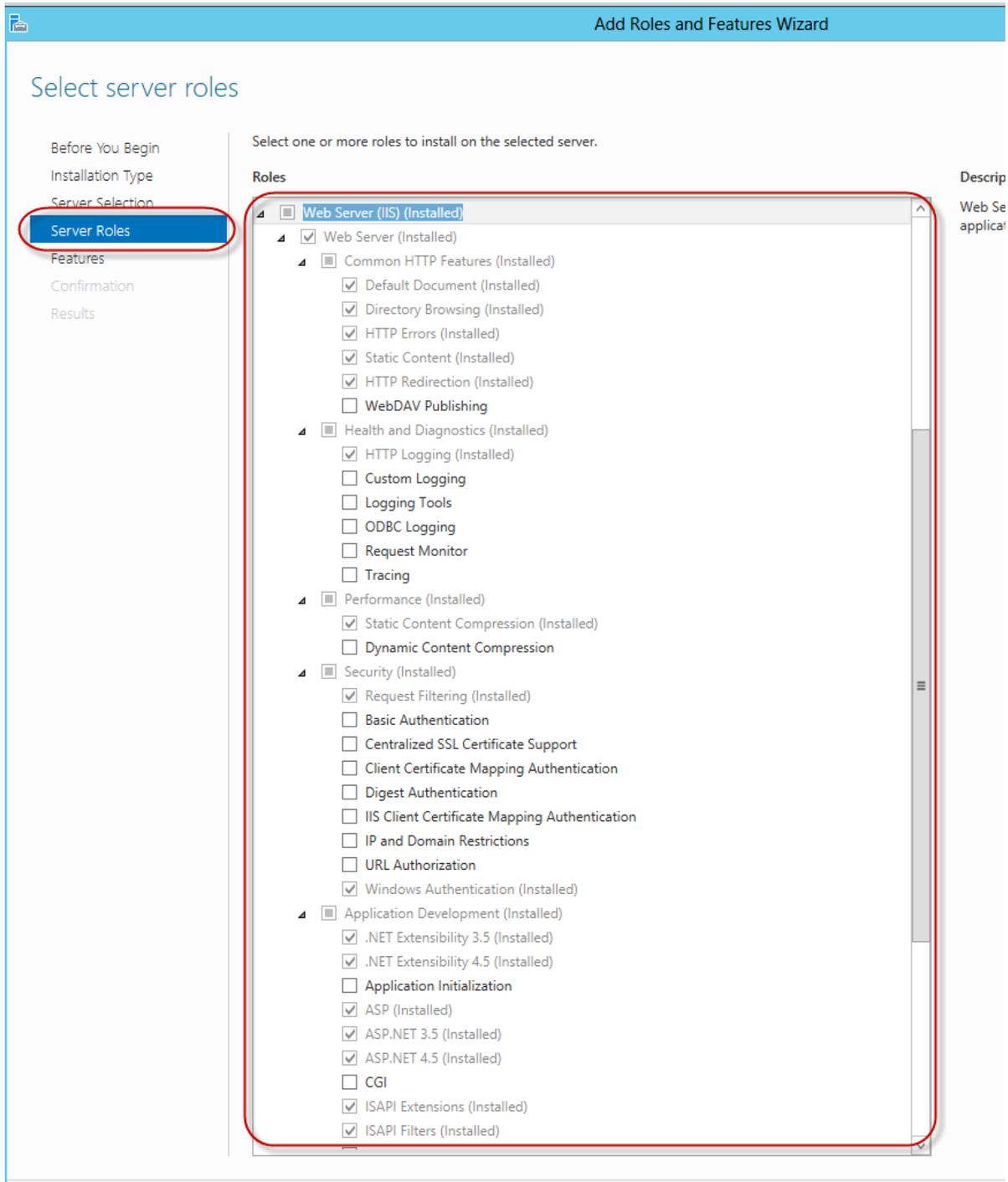
At the bottom, a status bar indicates "Last Refresh: Today at 2:40 PM" with a "Configure refresh" link.

- Then, please go to the **Roles** section of the **Server Manager**, select the **Web Server (IIS)** role, and configure the **Role Services** as shown on the images below:

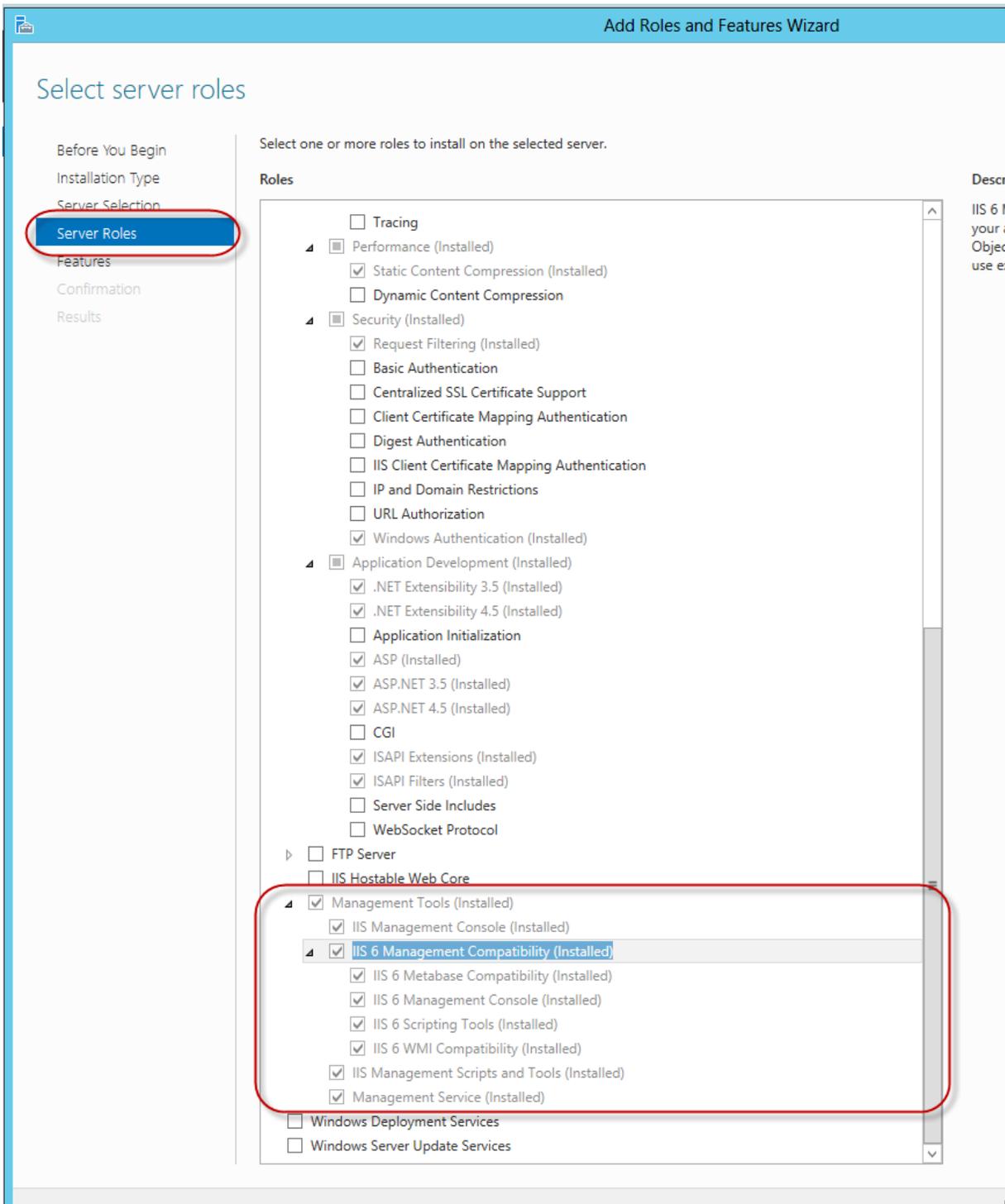


3.5 Configuring IIS on [Windows Server 2012](#):

- Click *Server Manager* from the *Start* menu and configure *Server Roles* as shown in the images below:



Server Roles configuration, continued...



Add Roles and Features Wizard

Select server roles

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

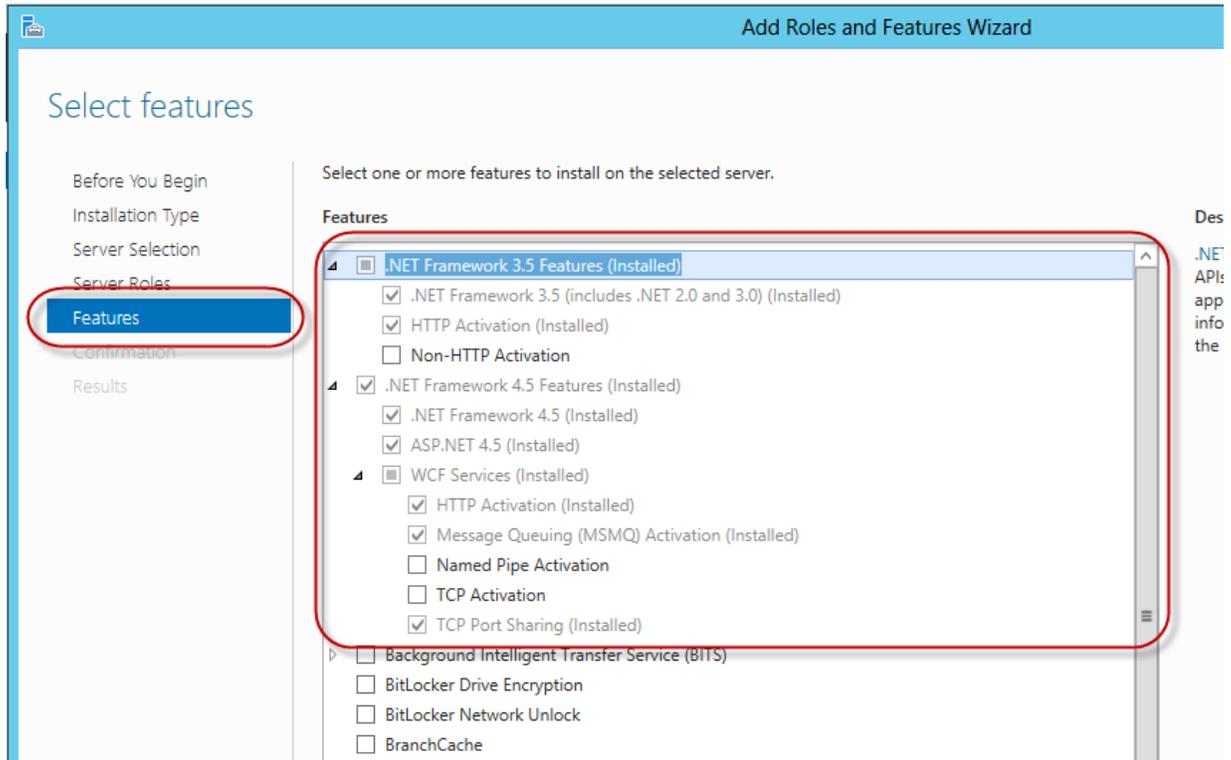
Select one or more roles to install on the selected server.

Roles

- Tracing
- Performance (Installed)
 - Static Content Compression (Installed)
 - Dynamic Content Compression
- Security (Installed)
 - Request Filtering (Installed)
 - Basic Authentication
 - Centralized SSL Certificate Support
 - Client Certificate Mapping Authentication
 - Digest Authentication
 - IIS Client Certificate Mapping Authentication
 - IP and Domain Restrictions
 - URL Authorization
 - Windows Authentication (Installed)
- Application Development (Installed)
 - .NET Extensibility 3.5 (Installed)
 - .NET Extensibility 4.5 (Installed)
 - Application Initialization
 - ASP (Installed)
 - ASP.NET 3.5 (Installed)
 - ASP.NET 4.5 (Installed)
 - CGI
 - ISAPI Extensions (Installed)
 - ISAPI Filters (Installed)
 - Server Side Includes
 - WebSocket Protocol
- FTP Server
- IIS Hostable Web Core
- Management Tools (Installed)
 - IIS Management Console (Installed)
 - IIS 6 Management Compatibility (Installed)**
 - IIS 6 Metabase Compatibility (Installed)
 - IIS 6 Management Console (Installed)
 - IIS 6 Scripting Tools (Installed)
 - IIS 6 WMI Compatibility (Installed)
 - IIS Management Scripts and Tools (Installed)
 - Management Service (Installed)
- Windows Deployment Services
- Windows Server Update Services

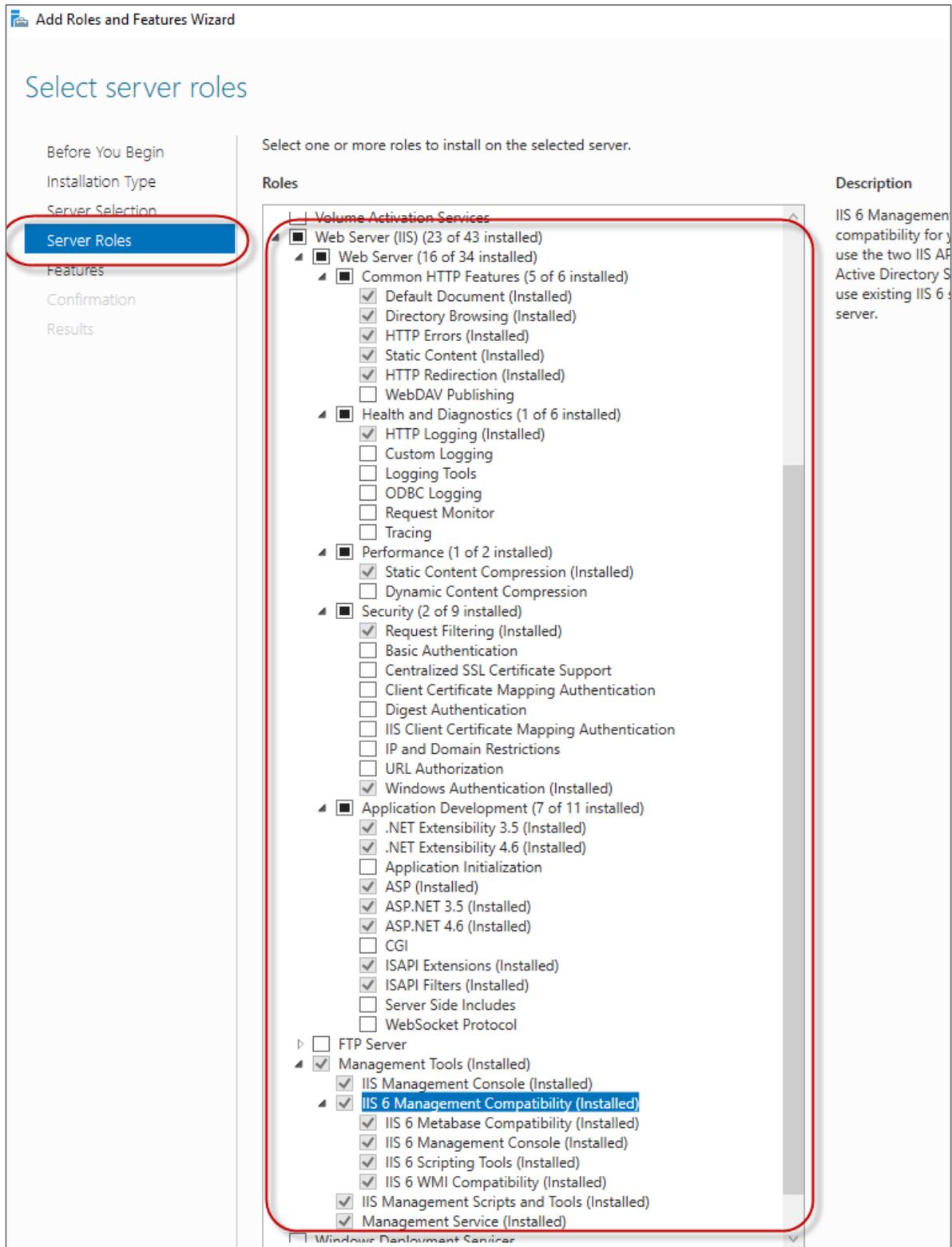
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- After configuring *Server Roles*, please go to the *Features* section and configure it as shown below:



3.6 Configuring the IIS on [Windows Server 2016](#):

- Click *Server Manager* from the *Start menu* and configure *Server Roles* as shown below:



Add Roles and Features Wizard

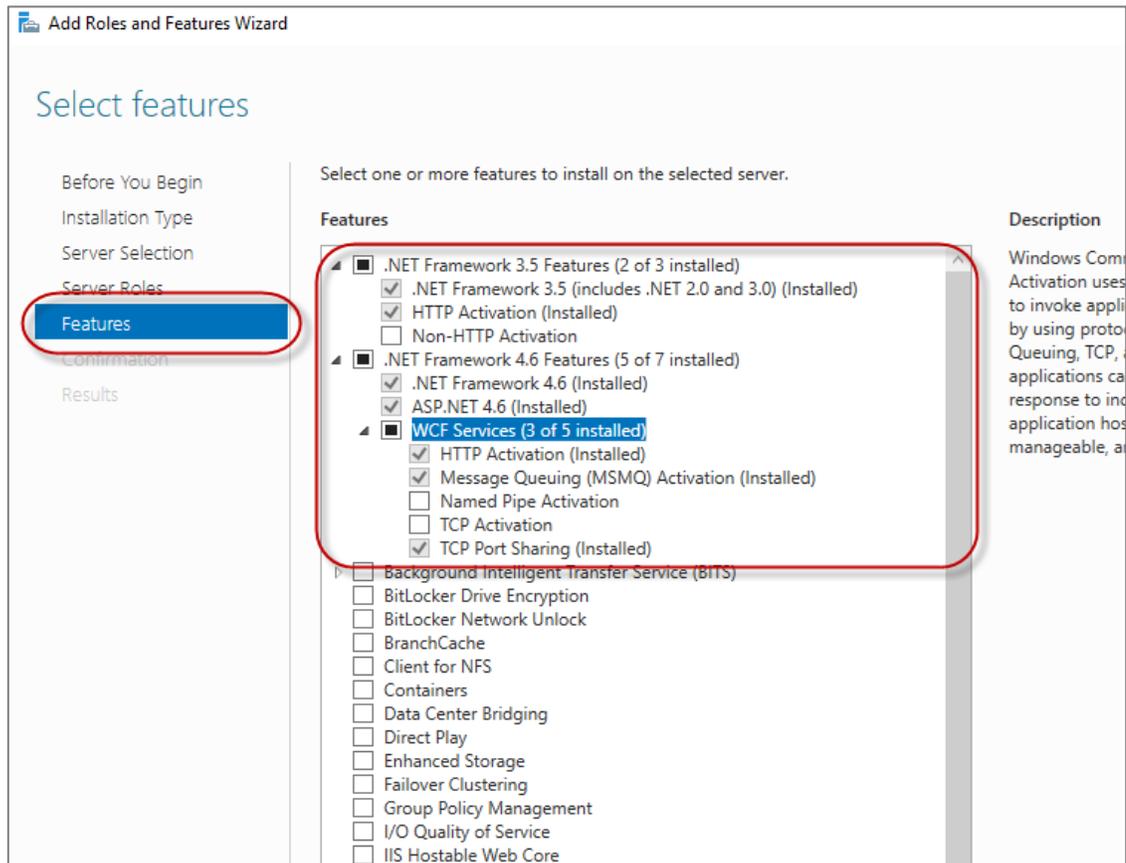
Select server roles

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

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

Roles	Description
<ul style="list-style-type: none"> Volume Activation Services <input checked="" type="checkbox"/> Web Server (IIS) (23 of 43 installed) <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Web Server (16 of 34 installed) <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Common HTTP Features (5 of 6 installed) <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Default Document (Installed) <input checked="" type="checkbox"/> Directory Browsing (Installed) <input checked="" type="checkbox"/> HTTP Errors (Installed) <input checked="" type="checkbox"/> Static Content (Installed) <input checked="" type="checkbox"/> HTTP Redirection (Installed) <input type="checkbox"/> WebDAV Publishing <input checked="" type="checkbox"/> Health and Diagnostics (1 of 6 installed) <ul style="list-style-type: none"> <input checked="" type="checkbox"/> HTTP Logging (Installed) <input type="checkbox"/> Custom Logging <input type="checkbox"/> Logging Tools <input type="checkbox"/> ODBC Logging <input type="checkbox"/> Request Monitor <input type="checkbox"/> Tracing <input checked="" type="checkbox"/> Performance (1 of 2 installed) <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Static Content Compression (Installed) <input type="checkbox"/> Dynamic Content Compression <input checked="" type="checkbox"/> Security (2 of 9 installed) <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Request Filtering (Installed) <input type="checkbox"/> Basic Authentication <input type="checkbox"/> Centralized SSL Certificate Support <input type="checkbox"/> Client Certificate Mapping Authentication <input type="checkbox"/> Digest Authentication <input type="checkbox"/> IIS Client Certificate Mapping Authentication <input type="checkbox"/> IP and Domain Restrictions <input type="checkbox"/> URL Authorization <input checked="" type="checkbox"/> Windows Authentication (Installed) <input checked="" type="checkbox"/> Application Development (7 of 11 installed) <ul style="list-style-type: none"> <input checked="" type="checkbox"/> .NET Extensibility 3.5 (Installed) <input checked="" type="checkbox"/> .NET Extensibility 4.6 (Installed) <input type="checkbox"/> Application Initialization <input checked="" type="checkbox"/> ASP (Installed) <input checked="" type="checkbox"/> ASP.NET 3.5 (Installed) <input checked="" type="checkbox"/> ASP.NET 4.6 (Installed) <input type="checkbox"/> CGI <input checked="" type="checkbox"/> ISAPI Extensions (Installed) <input checked="" type="checkbox"/> ISAPI Filters (Installed) <input type="checkbox"/> Server Side Includes <input type="checkbox"/> WebSocket Protocol <input type="checkbox"/> FTP Server <input checked="" type="checkbox"/> Management Tools (Installed) <ul style="list-style-type: none"> <input checked="" type="checkbox"/> IIS Management Console (Installed) <input checked="" type="checkbox"/> IIS 6 Management Compatibility (Installed) <ul style="list-style-type: none"> <input checked="" type="checkbox"/> IIS 6 Metabase Compatibility (Installed) <input checked="" type="checkbox"/> IIS 6 Management Console (Installed) <input checked="" type="checkbox"/> IIS 6 Scripting Tools (Installed) <input checked="" type="checkbox"/> IIS 6 WMI Compatibility (Installed) <input checked="" type="checkbox"/> IIS Management Scripts and Tools (Installed) <input checked="" type="checkbox"/> Management Service (Installed) 	<p>IIS 6 Management compatibility for use with the two IIS Applications Programming Model (APM) Active Directory Sites and Services (ADSIS) use existing IIS 6 server.</p>

- After configuring *Server Roles*, please go to the *Features* section and configure it as shown below:



4. After installing/configuring IIS, you may be prompted to restart the computer.
5. Install Dream Report.

Notes:

1. If IIS is *not* installed and configured correctly prior to installing Dream Report, Dream Report can still be installed, but you will receive a message stating that the DRWeb Portal will not be installed as part of the installation. IIS can be installed and configured later, at which point, you can run the Dream Report software installation again, where you will have the opportunity to modify the installation, and install the DRWeb Portal.
2. Please note that for Dream Report 4.8 and later, **HTTP Activation** must be enabled, as shown in the various IIS configuration images above. HTTP Activation was not a requirement for the Dream Report web portal prior to version 4.8.