



Extranet User Manager

Version 4.1: Pre-Requisites



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Extranet User Manager
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Introduction

Extranet User Manager Overview

Extranet User Manager (EUM) is an application that provides enhanced user management solutions for corporate Extranets. EUM turns your Extranet into a seamless portal that allows users inside and outside your corporate network to collaborate and share information with streamlined simplicity. EUM is an easy-to-use website application that contains a robust set of administrative and end-user features to enable collaboration with your external users. EUM is compatible with SharePoint 2010:2016, Office 365/SharePoint Online, SaaS Applications, ASP.NET Applications, Azure Websites, etc.

Customers can collaborate with external vendors, partners, suppliers and others in a secure environment with individual permission levels. The Extranet solution may also be used to provide access to employees who do not have active directory accounts or who are connecting from outside of the network.

The Extranet User Manager provides password management and lost password retrieval, a landing page for directing external users into the sites to which they have access, display and management of site access for users, and web-based account creation and management.

About this Guide

This guide provides instructions on how to install the pre-requisites required for a successful deployment of Extranet User Manager V4.

Documentation

This document is part of the following set of documents available at <https://www.extranetusermanager.com/Support>.

| Document | Description |
|--|---|
| Extranet User Manager Pre-Requisite Guide | Document including the pre-requisites to install the current release of EUM |
| Extranet User Manager Deployment and Configuration Guide | Installation and configuration guide for the current release of EUM |
| Extranet User Manager User Guide | User guide for the end user and admin sections of EUM |
| Extranet User Manager Branding Guidelines | Branding Guidelines to customize Extranet User Manager |
| Extranet User Manager Developer Guide | Guide on how to customize Extranet User Manager |

Pre-Requisites Checklist

- Windows Server x64 (2012 R2 or higher)
- Microsoft .NET 4.8 Runtime
- Microsoft .Net Core Windows Server Hosting 2.1.13
- SSL Certificates for the server (All federated web traffic must be SSL encrypted)
- MS SQL Server Database 2016 (Can be configured to work on SQL 2012 or higher)
- Active Directory – EUM V4 supports users stored in Active Directory (SQL server and Universal Providers can be used in place of Active Directory)
- DNS and Host names for Login site

Note: EUM can also be installed in an Azure App Service that utilizes an Azure SQL database.

Setting up New Server

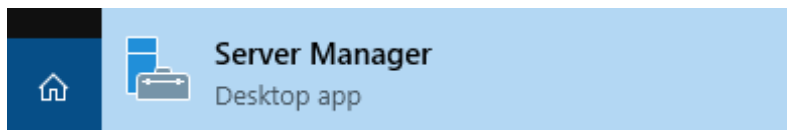
1. Begin by downloading and installing the follow Runtimes and Windows Server Hosting .NET core:

- a. ASP.NET Core/.NET Core: [Runtime & Hosting Bundle](#)

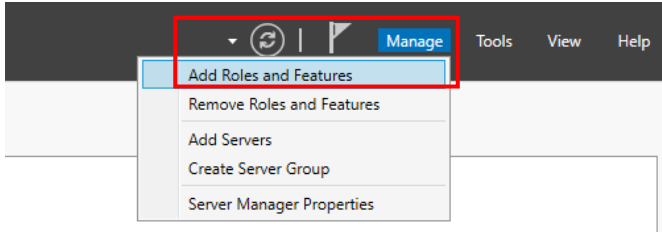
Note: if your server does not have internet access, download and install the [Microsoft Visual C++ 2015 Redistributable Update 3 RC](#) prior to installing the above.

2. Install the [.Net 4.8 Runtime](#)
3. Also download and install the following Packages for Microsoft SQL Server:
 - a. From <https://www.microsoft.com/en-us/download/details.aspx?id=46696>
 - i. ENU\x64\SQLSysClrTypes.msi
 - ii. ENU\X64\SharedManagementObjects.msi
 - iii. ENU\X64\PowerShellTools.msi

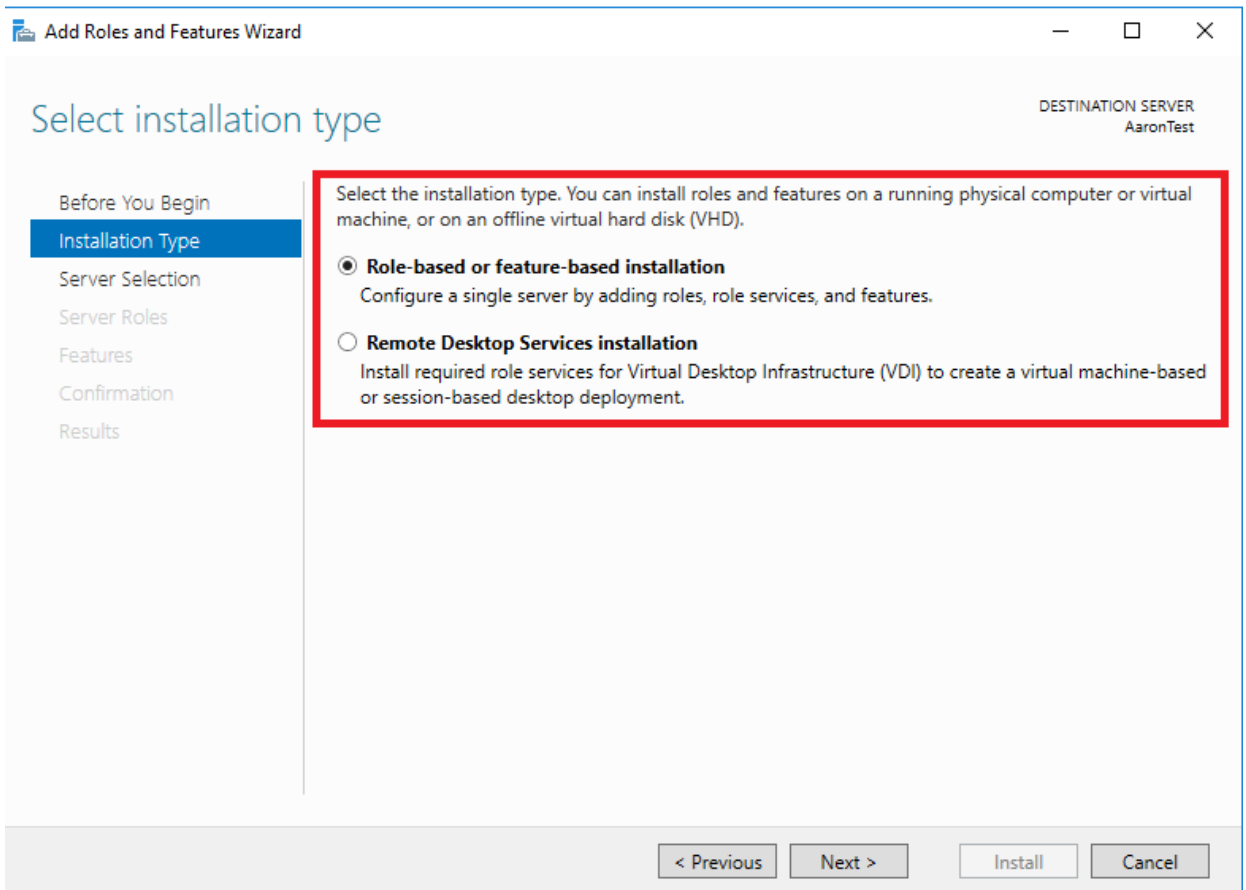
4. Open Server Manager



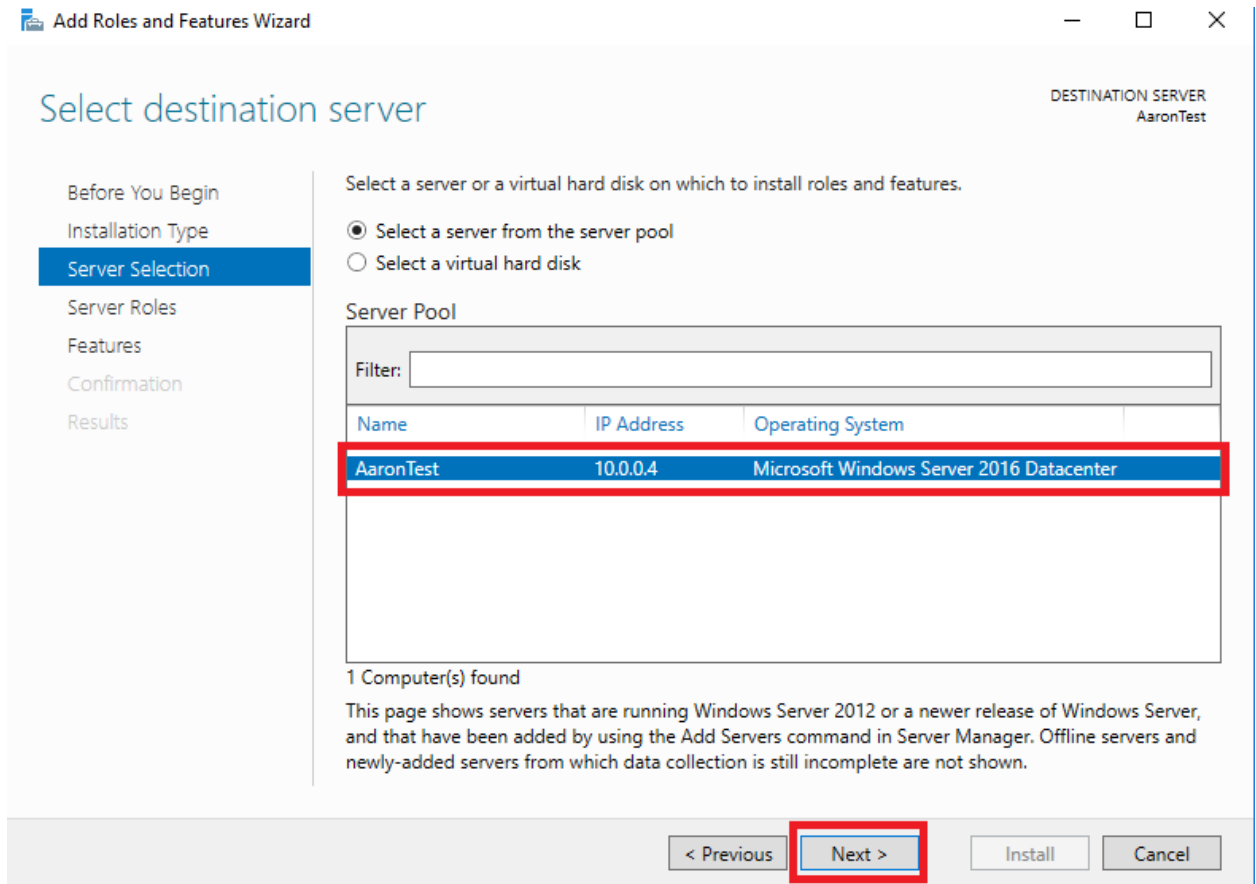
5. Click Manage – Add Roles and Features



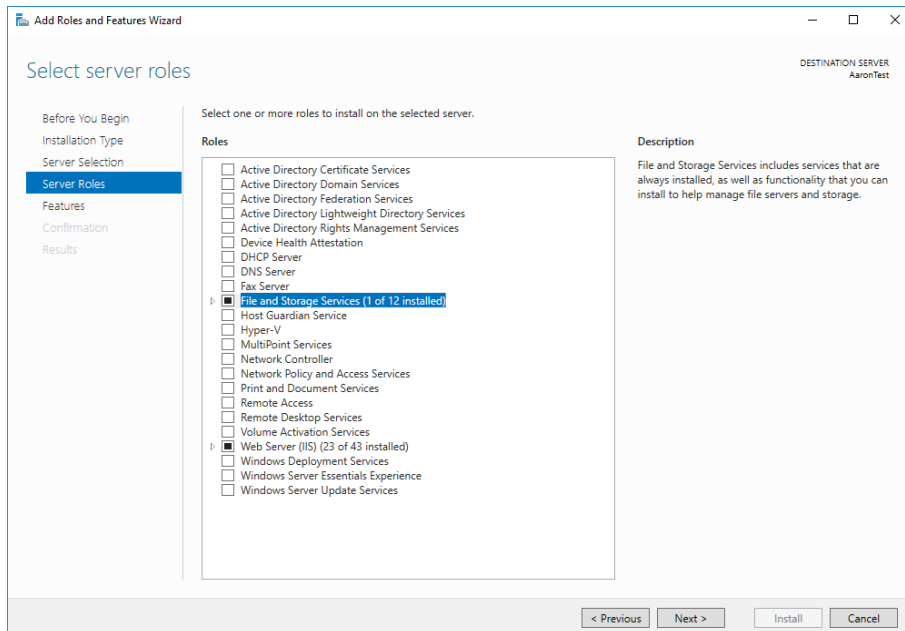
6. Add Roles and Features Wizard will open – Click Next
7. Installation Types: Role based or Feature based installation



8. Server Selection: Click on created server and next



9. Server Roles:



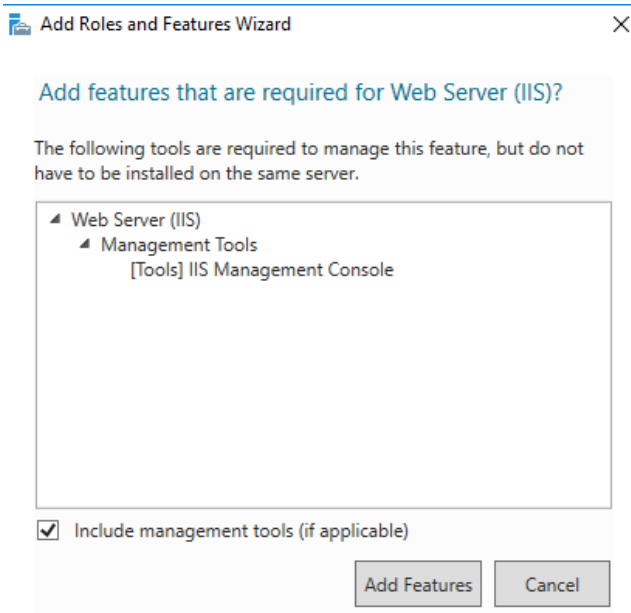
You will need to install the items on the list below. If you need to install **Web Server (IIS)**, then you will need to do the selection at a later step.

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

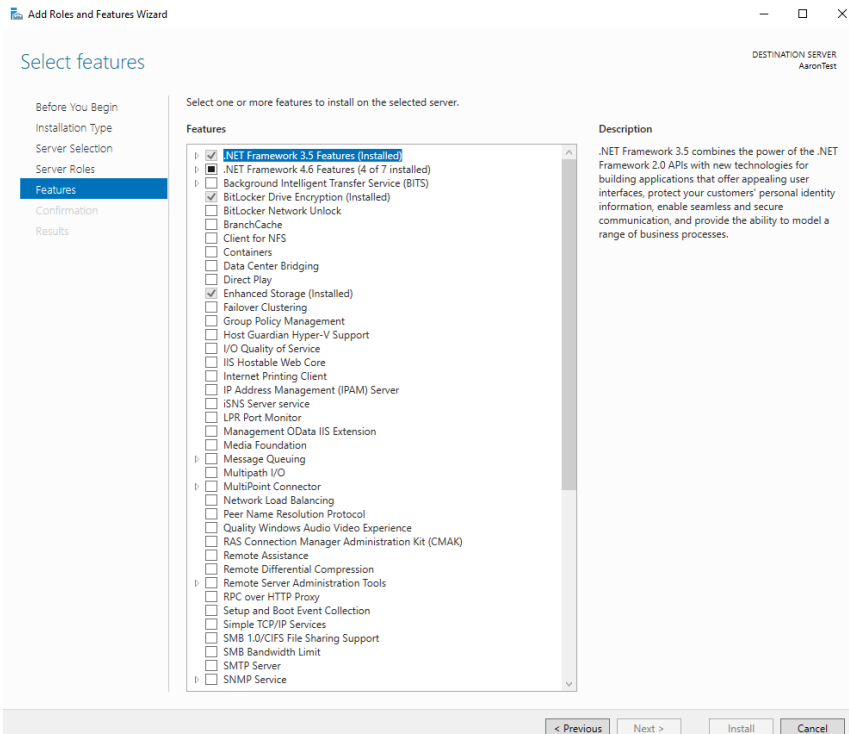
Roles

- Active Directory Certificate Services
- Active Directory Domain Services
- Active Directory Federation Services
- 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)
 - File and iSCSI Services
 - Storage Services (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) (23 of 43 installed)
 - ▲ Web Server (21 of 34 installed)
 - ▲ Common HTTP Features (5 of 6 installed)
 - Default Document (Installed)
 - Directory Browsing (Installed)
 - HTTP Errors (Installed)
 - Static Content (Installed)
 - HTTP Redirection (Installed)
 - WebDAV Publishing
 - ▲ Health and Diagnostics (4 of 6 installed)
 - HTTP Logging (Installed)
 - Custom Logging
 - Logging Tools (Installed)
 - ODBC Logging
 - Request Monitor (Installed)
 - Tracing (Installed)
 - ▲ Performance (1 of 2 installed)
 - Static Content Compression (Installed)
 - Dynamic Content Compression
 - ▲ Security (6 of 9 installed)
 - Request Filtering (Installed)
 - Basic Authentication (Installed)
 - Centralized SSL Certificate Support
 - Client Certificate Mapping Authentication (Installed)
 - Digest Authentication
 - IIS Client Certificate Mapping Authentication (Installed)
 - IP and Domain Restrictions
 - URL Authorization (Installed)
 - Windows Authentication (Installed)
 - ▲ Application Development (5 of 11 installed)
 - .NET Extensibility 3.5 (Installed)
 - .NET Extensibility 4.6 (Installed)
 - Application Initialization
 - ASP
 - ASP.NET 3.5
 - ASP.NET 4.6 (Installed)
 - CGI
 - ISAPI Extensions (Installed)
 - ISAPI Filters (Installed)
 - Server Side Includes
 - WebSocket Protocol
 - FTP Server
 - ▲ Management Tools (2 of 7 installed)
 - IIS Management Console (Installed)
 - IIS 6 Management Compatibility
 - IIS Management Scripts and Tools (Installed)
 - Management Service
 - Windows Deployment Services
 - Windows Server Essentials Experience
 - Windows Server Update Services

For some items, a popup will appear. Click **Add Feature**.



10. Server Features:



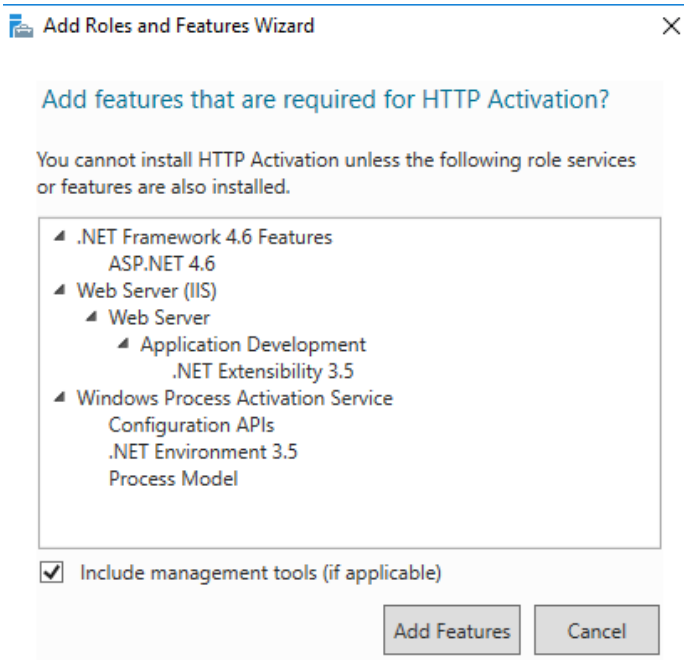
You will need to install the items on the list below:

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

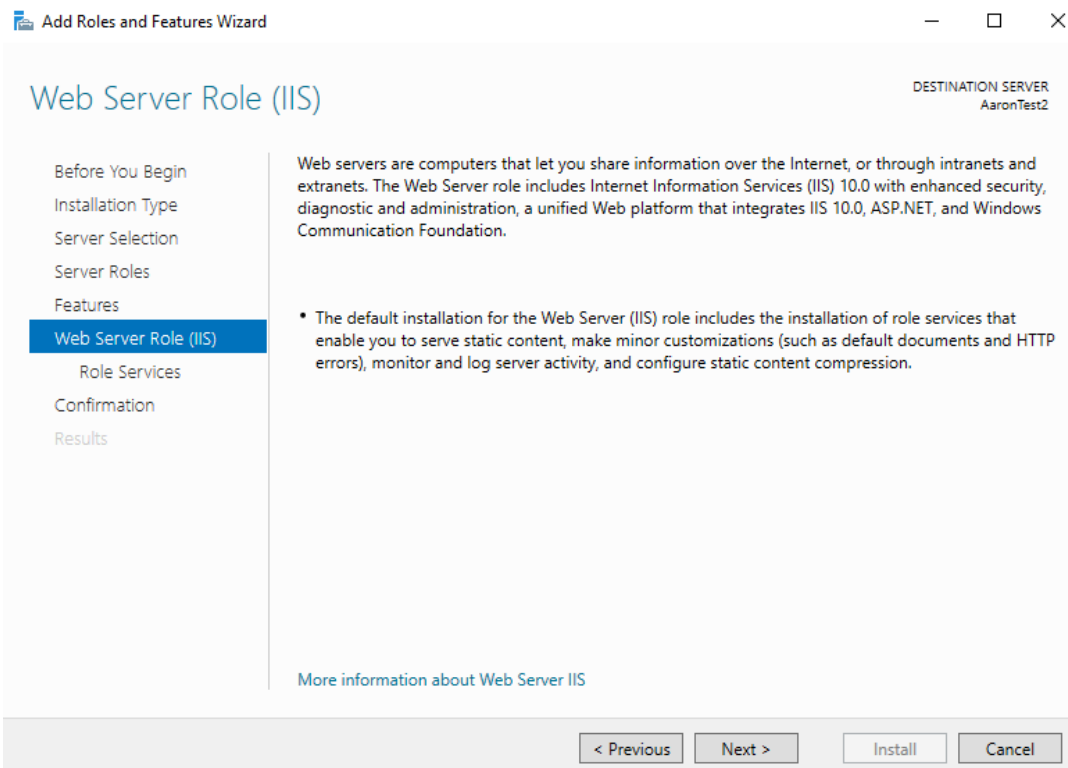
Features

- .NET Framework 3.5 Features (Installed)
 - .NET Framework 3.5 (includes .NET 2.0 and 3.0) (Installed)
 - HTTP Activation (Installed)
 - Non-HTTP Activation (Installed)
- .NET Framework 4.6 Features (4 of 7 installed)
 - .NET Framework 4.6 (Installed)
 - ASP.NET 4.6 (Installed)
 - WCF Services (2 of 5 installed)
 - HTTP Activation (Installed)
 - Message Queuing (MSMQ) Activation
 - Named Pipe Activation
 - TCP Activation
 - TCP Port Sharing (Installed)
- Background Intelligent Transfer Service (BITS)
- BitLocker Drive Encryption (Installed)
- BitLocker Network Unlock
- BranchCache
- Client for NFS
- Containers
- Data Center Bridging
- Direct Play
- Enhanced Storage (Installed)
- Failover Clustering
- Group Policy Management
- Host Guardian Hyper-V Support
- I/O Quality of Service
- IIS Hostable Web Core
- Internet Printing Client
- IP Address Management (IPAM) Server
- iSNS Server service
- LPR Port Monitor
- Management OData IIS Extension
- Media Foundation
- Message Queuing
- Multipath I/O
- MultiPoint Connector
- Network Load Balancing
- Peer Name Resolution Protocol
- Quality Windows Audio Video Experience
- RAS Connection Manager Administration Kit (CMAK)
- Remote Assistance
- Remote Differential Compression
- Remote Server Administration Tools
 - RPC over HTTP Proxy
 - Setup and Boot Event Collection
 - Simple TCP/IP Services
 - SMB 1.0/CIFS File Sharing Support
 - SMB Bandwidth Limit
 - SMTP Server
- SNMP Service
- Software Load Balancer
- Storage Replica
- Telnet Client
- TFTP Client
- VM Shielding Tools for Fabric Management
- WebDAV Redirector
- Windows Biometric Framework
- Windows Defender Features (Installed)
- Windows Identity Foundation 3.5
- Windows Internal Database
- Windows PowerShell (3 of 5 installed)
 - Windows PowerShell 5.1 (Installed)
 - Windows PowerShell 2.0 Engine (Installed)
 - Windows PowerShell Desired State Configuration Service
 - Windows PowerShell ISE (Installed)
 - Windows PowerShell Web Access
- Windows Process Activation Service (Installed)
- Windows Search Service
- Windows Server Backup
- Windows Server Migration Tools
- Windows Standards-Based Storage Management
- Windows TIFF IFilter
- WinRM IIS Extension
- WINS Server
- Wireless LAN Service
- WoW64 Support (Installed)
- XPS Viewer

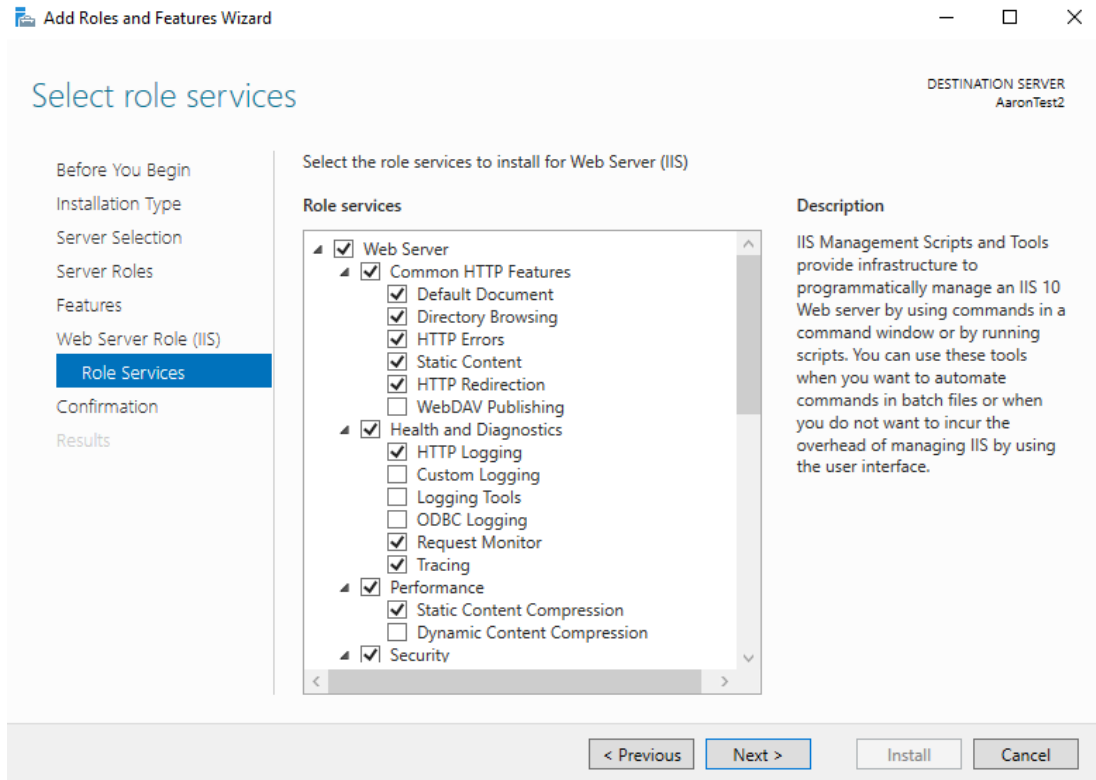
For some features, a popup will appear when you select it. Click **Add Feature**.



11. If you have not installed **Web Server (IIS)** before now, you will go to the **Web Server (IIS)** Page. Click **Next**.



12. Select Role Services:



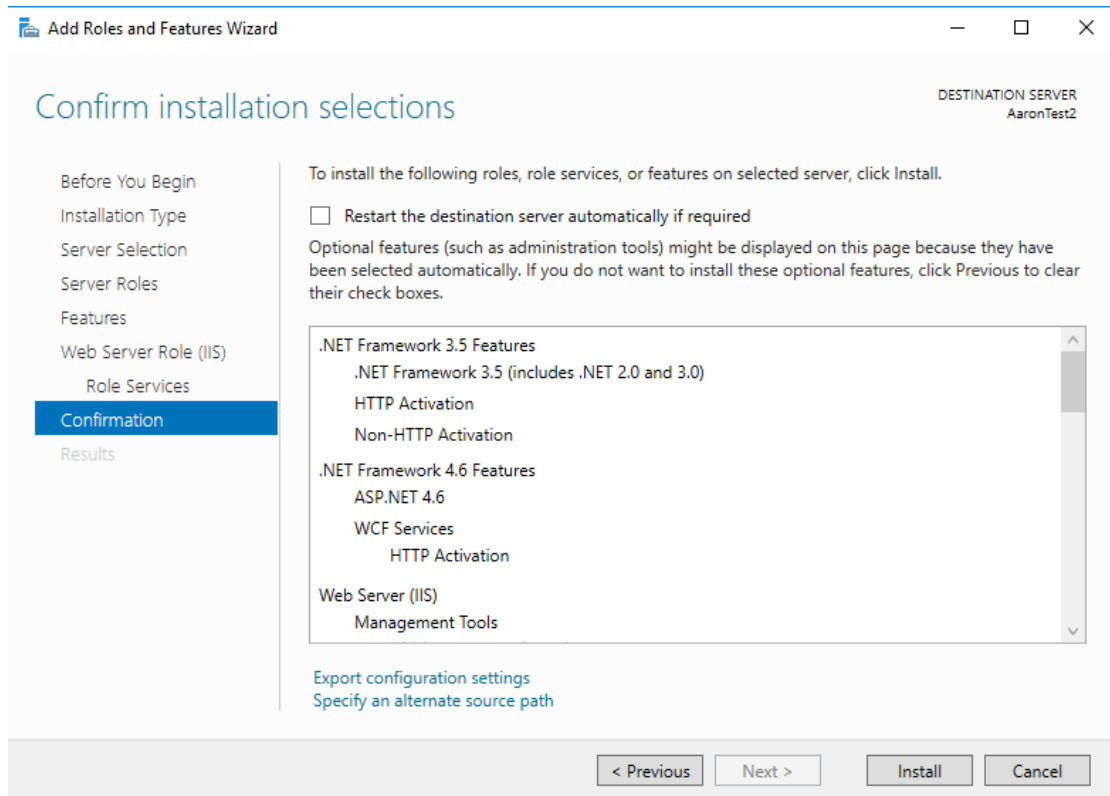
You will need to install the items on the list below:

Select the role services to install for Web Server (IIS)

Role services

- Web Server
 - Common HTTP Features
 - Default Document
 - Directory Browsing
 - HTTP Errors
 - Static Content
 - HTTP Redirection
 - WebDAV Publishing
 - Health and Diagnostics
 - HTTP Logging
 - Custom Logging
 - Logging Tools
 - ODBC Logging
 - Request Monitor
 - Tracing
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 - Static Content Compression
 - Dynamic Content Compression
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13. Confirmation and Install – Wait for installation of all Roles and Features



Set Up SQL Database in Azure or SQL Server:

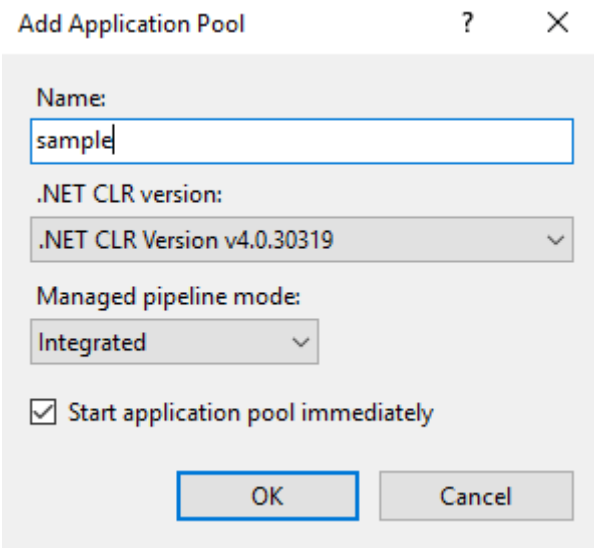
1. Create a SQL database with name EUM_ManageUsers in SQL server
2. Grant account that will be used for EUM installation with Database Owner rights
3. Grant the EUM Machine “Network Service” account dbowner, datareader and datawriter access to database if you are not going to specify a connection string and password. Later for security reason, you can remove the dbowner access.

Optional: Pre-create your AppPools

The installer will create your application pools for you, however you can pre-configure it with your own accounts prior to installing EUM

1. Open Windows Internet Information Services (IIS) Manager

2. Right click on Application Pools - Click Add Application Pool
3. Create Application pool that will be used by Landing, Landing Admin and Extranet_API_V4
 - a. Use name "*ClientName_EUMAppPool*" where clientName is the prefix you want to use for this install (will be specified in the PowerShell config script that is used for install)

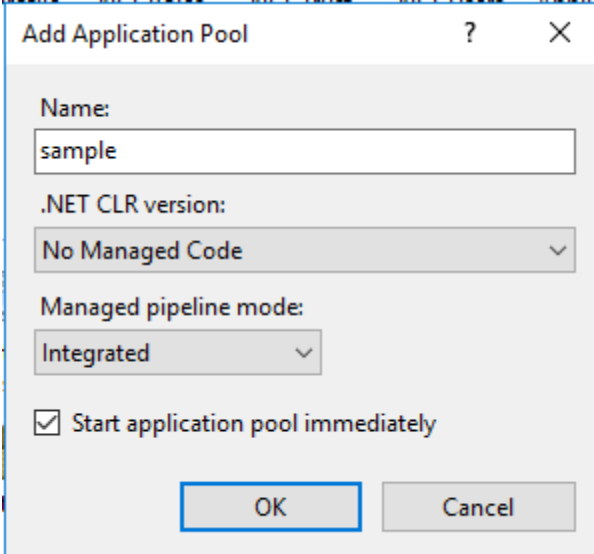


The screenshot shows the 'Add Application Pool' dialog box with the following settings:

- Name: sample
- .NET CLR version: .NET CLR Version v4.0.30319
- Managed pipeline mode: Integrated
- Start application pool immediately

The OK button is highlighted with a blue border.

4. Create Application pool for IdentityServer with *no managed code*
 - a. Use name "*ClientName_IdentityServer*" (Note, this application pool is setup to use Network Service account, if you want to use a different account see "Changing Application Pool Account" section)



The screenshot shows the 'Add Application Pool' dialog box with the following settings:

- Name: sample
- .NET CLR version: No Managed Code
- Managed pipeline mode: Integrated
- Start application pool immediately

The OK button is highlighted with a blue border.

Create EUM IIS Site

1. Open Windows Internet Information Services (IIS) Manager
2. Click on Sites - Add Website
 - a. Insert the following information:
Site Name: Whatever you want your site named
Application Pool - Set to the 1st application to Pool you created above or leave as default
Physical Path: C:\inetpub\wwwroot*(insert site name)*
Binding
 - Type: https:
 - Hostname: insert name of your URL binding
 - Check off Require Server Name Indication (only if you have multiple IIS sites on the same port/ip address using different certificates)
 - SSL Certified - Select your Server
 - Check off start website immediately

The screenshot shows the 'Add Website' dialog box in IIS Manager. The 'Site name' field contains 'sample'. The 'Application pool' field contains 'sample'. The 'Physical path' field contains 'C:\inetpub\wwwroot\LoganEUMV4'. The 'Binding' section shows 'Type' set to 'https', 'IP address' set to 'All Unassigned', and 'Port' set to '443'. The 'Require Server Name Indication' checkbox is unchecked. The 'SSL certificate' dropdown is set to 'Not selected'. The 'Start Website immediately' checkbox is checked.