



How - To Guide

Configure Web Server (IIS) for the Netsurion Open XDR platform v9.4

Publication Date:

March 30, 2023

© Copyright Netsurion. All Rights Reserved.



Abstract

The purpose of this document is to help users to install or customize Web Server (IIS) on Windows 2019, and Windows 2022 Datacenters with role services required for the proper functionality of the Netsurion Open XDR platform version v9.4.

Note:

The screen/ figure references are only for illustration purpose and may not match the installed product UI.

Scope

The configuration details in this guide are consistent with the Windows Server 2019/ 2022 Datacenter and Netsurion Open XDR platform version v9.4.

Audience

This guide is for the administrators responsible for configuring Web Server (IIS) in the Windows Server 2019/ 2022 Datacenter.

Product Terminology

The following are the terms used throughout this guide:

• The term "Netsurion's Open XDR platform" or "the Netsurion Open XDR platform" or "the Open XDR platform" refers to EventTracker.



Table of Contents

1	Overvie	W	4				
2	Configuring the Web Server (IIS) via Command Prompt						
3	Configuring the Web Server (IIS) via Windows Server Manager						
3.1	Addin	g Roles and Features	5				
	3.1.1	Adding Server Roles	8				
	3.1.2	Adding Features	9				
	3.1.3	Adding Web Server Role (IIS)	. 10				
	3.1.4	Confirming the Installation Selections	. 12				



1 Overview

This guide facilitates you to configure and customize the Web Server (IIS) with the required roles and services on the Windows Server Datacenter viable for the Netsurion Open XDR platform. The configuration process involves two methods; either to run the specific command via Command prompt or to perform a step-by-step process via the Windows server manager. You may choose the appropriate method as per the requirement.

Supported OS - Windows Server 2019 or 2022 Datacenter.

2 Configuring the Web Server (IIS) via Command Prompt

Configure the Web Server (IIS) in Windows Server 2019 or 2022 Datacenter by executing the following command in the Command Prompt.

• Launch the Command Prompt as Run as an Administrator.

Note:

You can configure the IIS for the Netsurion Open XDR platform version v9.4 by running the below command in either **Windows Server 2019** or **Windows Server 2022** Datacenters.

• Then, execute the following command in the command prompt.

```
dism.exe /online /enable-feature /all /featurename:IIS-WebServerRole
/featurename:IIS-WebServer /featurename:IIS-IIS6ManagementCompatibility
/featurename:IIS-ManagementConsole /featurename:IIS-ManagementService
/featurename:IIS-ApplicationDevelopment /featurename:IIS-
ISAPIExtensions /featurename:IIS-ISAPIFilter /featurename:IIS-
ApplicationInit /featurename:IIS-ServerSideIncludes /featurename:IIS-
NetFxExtensibility /featurename:IIS-NetFxExtensibility45
/featurename:IIS-ASP /featurename:IIS-ASPNET /featurename:IIS-ASPNET45
/featurename:IIS-Security /featurename:IIS-IPSecurity /featurename:IIS-
URLAuthorization /featurename:IIS-Performance /featurename:IIS-
HttpCompressionStatic /featurename:IIS-HttpCompressionDynamic
/featurename:IIS-LegacyScripts /featurename:IIS-LegacySnapIn
```



For example,



The following message appears after the successful configuration of Web Server (IIS).



3 Configuring the Web Server (IIS) via Windows Server Manager

The installation of IIS 10.0 on a Windows Server 2019/ 2022 Datacenter does not include all the role services. It is required to manually select the **Application Development** and **IIS Management** role services while installing the web server (IIS). Prior to installing the Netsurion Open XDR platform, the specified crucial services should be operational.

The following process facilitates to install the Web Server (IIS) with role services required for the Netsurion Open XDR platform.

3.1 Adding Roles and Features

- Log in to the Win2019/ Win2022 server.
- In the Server system, either search for the Server Manager or click the Manager icon available in the task bar.



• In the Server Manager > Dashboard, click Add roles and features.

Server Manager						- 0	1 X
€ Э ▪ Server Ma	anager • Dashboard			• © 🖡	Manage To	ols View	Help
TH Dashboard	WELCOME TO SERVER MANAGER						
Local Server All Servers File and Storage Services ▷		figure this local server					
	2 A	dd roles and features					- 1
	3 A	dd other servers to manage					- 1
	WHAT'S NEW 4 C	reate a server group					- 1
	5 0	ionnect this server to cloud services					- 1
	LEARN MORE						Hide
	LUNCT HOLE						
	ROLES AND SERVER GROUPS Roles: 1 Server groups: 1 Servers to	tal: 1					
	File and Storage 1	Local Server 1	All Servers 1				
	Manageability	Manageability	Manageability				
	Events	Events	Events				
	Performance	1 Services	1 Services				
	BPA results	Performance	Performance				
		BPA results	BPA results				
		12/15/2022 2:43 AM	12/15/2022 2:43 AM				
		-		Ac Go	tivate Windov to Settings to acti	WS ivate Windows	

• In the Add Roles and Features Wizard > Before You Begin interface, click Next> to proceed with the process.

L Add Roles and Features Wizard		-		Х
Before you begin	ET	DESTIN TVMBLR220	ATION SER 19-2.ntpl.lo	VER ocal
Before You Begin Installation Type Server Selection Server Roles Features Confirmation Results	 This wizard helps you install roles, role services, or features. You determine which features to install based on the computing needs of your organization, such as st hosting a website. To remove roles, role services, or features: Start the Remove Roles and Features Wizard Before you continue, verify that the following tasks have been completed: The Administrator account has a strong password Network settings, such as static IP addresses, are configured The most current security updates from Windows Update are installed If you must verify that any of the preceding prerequisites have been completed, or complete the steps, and then run the wizard again. To continue, click Next. 	roles, role laring doc	e services, cuments, o	or x
	< Previous Next > In	stall	Cance	1



• In the **Installation Type** interface, choose the type of installation to install the roles nd features and click **Next**>.

Note:

The **Role based or feature based selection** option is selected by default. You can choose the installation type as per the requirement.

dd Roles and Features Wi	ard —		
elect installati	on type ETTYMBL	TINATION SE 22019-2.ntp	RVE I.loc
Before You Begin	Select the installation type. You can install roles and features on a running physical com machine, or on an offline virtual hard disk (VHD).	outer or vi	tua
Server Selection	Role-based or feature-based installation Configure a single server by adding roles, role services, and features.		
Server Roles Features	Remote Desktop Services installation Install required role services for Virtual Deskton Infrastructure (VDI) to create a virtua	machine-	has
Confirmation	or session-based desktop deployment.	muenne	bus

• In the Server Selection interface, choose the Select a server from the server pool option and select the appropriate server name from the Server Pool, and then click Next>.

L Add Roles and Features Wiza	ard			-		Х
Select destination	on server			DESTIN ETTVMBLR22	IATION SER 019-2.ntpl.l	VER local
Before You Begin Installation Type Server Selection	Select a server or a virtual h Select a server from the Select a virtual hard dist	hard disk on which e server pool k	to install roles and features	5.		
Server Roles Features Confirmation Results	Server Pool Filter:	IP Address	Operating System			
	ETTVMBLR22019-2.ntpl.l	. 172.28.9.154	Microsoft Windows Serv	ver 2022 Datacent	er	
	1 Computer(s) found This page shows servers tha and that have been added newly-added servers from t	at are running Win by using the Add S which data collectio	dows Server 2012 or a new iervers command in Server on is still incomplete are no	er release of Winc Manager. Offline bt shown.	lows Serv servers ar	rer, nd
		< Pre	vious Next >	Install	Cance	el



3.1.1 Adding Server Roles

• In the Server Roles interface, select Web Server (IIS).

📥 Add Roles and Features Wizard		- 🗆 X
Select server roles Before You Begin Installation Type Server Selection	Select one or more roles to install on the selected server. Roles Active Directory Certificate Services	DESTINATION SERVER ETTVMBLR22019-2.ntpl.local Description Web Server (IIS) provides a reliable,
Server Roles Features Confirmation Results	 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) Host Guardian Service Hyper-V 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 	manageable, and scalable Web application infrastructure.
	< Previous Next	> Install Cancel

• The Add Roles and Features Wizard displays the summarized details, click Add Features to add the features that are required for Web Server (IIS).

Add Roles and Features Wizard	×
Add features that are required for Web Server (IIS)?	
The following tools are required to manage this feature, but do not have to be installed on the same server.	
 Web Server (IIS) Management Tools [Tools] IIS Management Console 	
Include management tools (if applicable)	
Add Features Cancel	



3.1.2 Adding Features

- In the Features interface, select the following features to install on the server.
 - Expand .NET Framework 3.5 Features and select the .NET Framework 3.5 (includes .Net 2.0 and .Net 3.0) check box.
 - b. Expand .NET Framework 4.8 Features and select the ASP.NET 4.8 check box.

Note:

If **.NET Framework 4.8 Features** is not available, then select the .NET Framework 4.7 Features > ASP .NET 4.7 check box. However, during the setup installation, the Open XDR platform verifies and installs the .NET Framework 4.8 to proceed with the installation process.





c. Then, select the **System Data Archiver (Installed)** and **Windows Powershell** check boxes as illustrated in the following image.



d. After the selecting the specified details, click **Next>** to proceed.

3.1.3 Adding Web Server Role (IIS)

• In Web Server Role (IIS), click Next> to proceed.

📥 Add Roles and Features Wizard		-		×
Web Server Role	(IIS)	DESTINA ETTVMBLR220	ATION SER 19-2.ntpl.lo	VER ocal
Before You Begin Installation Type Server Selection Server Roles	Web servers are computers that let you share information over the Internet, or the extranets. The Web Server role includes Internet Information Services (IIS) 10.0 va diagnostic and administration, a unified Web platform that integrates IIS 10.0, A Communication Foundation.	through intra with enhance \SP.NET, and	anets and ed securi I Window	d ty, vs
Features Web Server Role (IIS) Role Services Confirmation Results	 The default installation for the Web Server (IIS) role includes the installation of enable you to serve static content, make minor customizations (such as defau errors), monitor and log server activity, and configure static content compress 	of role servic Ilt documen sion.	es that ts and H	ТΤР
	More information about Web Server IIS			
	< Previous Next >	Install	Cance	el l



• In the **Role Services** interface, keep the default Role services selected and ensure to select the following role services to install for Web Server.

📥 Add Roles and Features Wizard		- 🗆 X
Before You Begin Installation Type Server Selection Server Roles Features	Select the role services to install for Web Server (IIS) Role services Health and Diagnostics HTTP Logging Custom Logging Logging Tools DODUctorsing	DESTINATION SERVER ETTVMBLR22019-2.ntpl.local Description Web Server provides support for HTML Web sites and optional support for ASP.NET, ASP, and Web server extensions. You can use the Web Server to host an internal or
Web Server Role (IIS) Role Services Confirmation Results	 □ ODBC Logging □ Request Monitor □ Tracing ▲ Performance □ Static Content Compression □ Dynamic Content Compression ▲ Security ▲ Request Filtering □ Basic Authentication □ Centralized SSL Certificate Support □ Client Certificate Mapping Authentication □ Digest Authentication □ IIS Client Certificate Mapping Authentication □ IIS Client Certificate Mapping Authentication □ IIP and Domain Restrictions □ URL Authorization 	Web Server to host an internal or external Web site or to provide an environment for developers to create Web-based applications.
	< Previous Next >	> Install Cancel

- a. Expand the Web Server > Performance section and select the Dynamic Content Compression check box.
- **b.** Expand **Web Server > Security** and select the **IP and Domain Restrictions** and **URL Authorization** check boxes.

Role services					
Request Monitor					
Tracing					
Performance					
Static Content Compression					
Dynamic Content Compression					
✓ Security					
Request Filtering					
Basic Authentication					
Centralized SSL Certificate Support					
Client Certificate Mapping Authentication					
Digest Authentication					
IIS Client Certificate Mapping Authenticatio					
IP and Domain Restrictions					
URL Authorization					
Windows Authentication					
Application Development					
▲ FTP Server					
FTP Service					
FTP Extensibility	~				
< >					



c. Expand Web Server > Application Development and select the specified role services check boxes.



d. Expand **Management Tools** > **IIS 6 Management Compatibility** and select the specified role services check boxes.



e. After the selecting the specified details, click Next> to proceed.

3.1.4 Confirming the Installation Selections

• The **Confirmation** interface displays the selected roles, role services or feature for the server. Click **Install** to proceed with the installation.

OPTIONAL

a. Select the **Restart the destination server automatically if required** check box if you require to automatically restart the server after the successful installation.



b. Click **Specify an alternate source path** if you require to modify source path details.

📥 Add Roles and Features Wizard			_		×
Confirm installatio	on selections		DESTIN/ ETTVMBLR220	ATION SER 19-2.ntpl.l	VER ocal
Do you need to specify an	alternate source path? One or more installation se To install the following roles role services or f	ections are missing source fill	es on the desti	nati	×
Before You Begin		catales on selected server, enc	.K III3tulli		
Installation Type	Restart the destination server automatica	lly if required			
Server Selection	Optional features (such as administration tool	s) might be displayed on this p	oage because t	hey have	
Server Roles	been selected automatically. If you do not war their check boxes	it to install these optional feat	ures, click Prev	ious to cl	ear
Features					
Web Server Role (IIS)	.NET Framework 3.5 Features				^
Role Services	.NET Framework 3.5 (includes .NET 2.0 a	nd 3.0)			
Confirmation	.NET Framework 4.8 Features				
Results	ASP.NET 4.8				
Results	Web Server (IIS)				
	Management Tools				
	IIS 6 Management Compatibility				
	IIS 6 Management Console				
	IIS 6 Scripting Tools				~
	Export configuration settings				
	specify an alternate source path				
	< Pre	vious Next >	Install	Cance	əl

The wizard displays the progress status of the installation.

Add Roles and Features Wiza	br
Installation prog	CESS DESTINATION SERVER ETTVMBLR2019-6.ntpl.local
Before You Begin	View installation progress
Installation Type	Feature installation
Server Selection	
Server Roles	Installation started on ETTVMBLR2019-6.ntpl.local
Features	NET Framework 3.5 Features
Web Server Role (IIS)	.NET Framework 3.5 (includes .NET 2.0 and 3.0)
Role Services	.NET Framework 4.7 Features
Confirmation	ASP.NET 4.7
Results	Web Server (IIS)
	IIS 6 Management Compatibility
	IIS 6 Management Console
	IIS 6 Scripting Tools
	IIS 6 Metabase Compatibility
	IIS 6 WMI Compatibility
	You can close this wizard without interrupting running tasks. View task progress or open this page again by clicking Notifications in the command bar, and then Task Details.
	Export configuration settings
	< Previous Next > Close Cancel



After the successful installation, restart the server to make sure the changes are intact.

Add Roles and Features Wizard	d	-		Х
Installation progr	ess	DESTIN ETTVMBLR20	IATION SER 019-6.ntpl.l	VER ocal
Before You Begin	View installation progress			
Installation Type	Feature installation			
Server Selection				
Server Roles	Installation succeeded on ETTVMBLR2019-6.ntpl.local.			
Features	Directory Provising			^
Web Server Role (IIS)	HTTP Errors			-
Role Services	Static Content			
Confirmation	Health and Diagnostics			
Results	HTTP Logging			
	Performance			
	Static Content Compression			
	Security			
	Request Filtering			~
	You can close this wizard without interrupting running tasks. View task page again by clicking Notifications in the command bar, and then Tase Export configuration settings	c progress or sk Details.	open this	\$
	< Previous Next >	Close	Canc	el



About Netsurion

Netsurion[®] delivers an adaptive managed security solution that integrates our XDR platform with your existing security investments and technology stack, easily scaling to fit your business needs. Netsurion's managed offering includes our 24x7 SOC that operates as your trusted cybersecurity partner, working closely with your IT team to strengthen your cybersecurity posture. Our solution delivers Managed Threat Protection so you can confidently focus on your core business.

Headquartered in Ft. Lauderdale, FL with a global team of security analysts and engineers, Netsurion is a leader in Managed Detection and Response (MDR) and a Top 25 Global MSSP. Learn more at <u>www.netsurion.com</u>.

Contact Us

Corporate Headquarters

Netsurion Trade Centre South 100 W. Cypress Creek Rd Suite 530 Fort Lauderdale, FL 33309

Contact Numbers

Direct Enterprise	SOC@Netsurion.com	1 (877) 333-1433 Option 1, Option 1
MSP Enterprise	SOC-MSP@Netsurion.com	1 (877) 333-1433 Option 1, Option 2
Essentials	Essentials-Support@Netsurion.com	1 (877) 333-1433 Option 1, Option 3
Self-Serve	EventTracker-Support@Netsurion.com	1 (877) 333-1433 Option 1, Option 4

https://www.netsurion.com/eventtracker-support