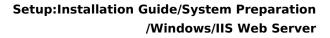


# Setup:Installation Guide/System Preparation/Windows/IIS Web Server

A quality version of this page, approved on 25 June 2020, was based off this revision.

## Contents

1	Introduction	. 2
2	The Server Manager and managing roles	2
3	Installing IIS in the Role Manager	3
4	Next step	7





MediaWiki

BlueSpíce

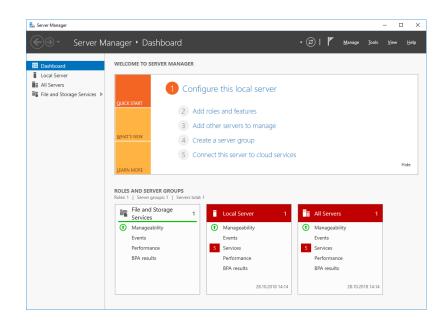
The web server delivers your BlueSpice installation to the users' browsers. Without a web server, BlueSpice cannot be used. The steps listed here are required.

### Introduction

We recommend to use the most system-optimized software possible for a live operation of BlueSpice both under Linux and under Windows. For this reason, the documentation of an installation of Apache (XAMP) under Windows is omitted. This chapter lists the steps that are necessary to install the Microsoft IIS Web Server service on Windows Server >= 2012.

### The Server Manager and managing roles

First, open the Server Manager. Unless otherwise configured, it starts automatically as soon as you log in to the server. Otherwise, you will find it in the start menu under the search term "Server Manager". You are now in the following view:



Click "Manage" (1) und then "Add Roles and Features" (2):



Server M	anager 🕨 Dashl	Juaru				©   🏲		e Uols	View	н
Dashboard ocal Server	WELCOME TO SERVE	ER MANAGEI	R				F 4	Remove Roles Add Servers Create Server (	and Featur	es
II Servers		1 Co	onfigui	re this local serve	er			Server Manage		s
ile and storage services in	QUICK START	2	Add ro	les and features						
		3	Add ot	her servers to manag	je					
	WHAT'S NEW	4	Create	a server group						
		5	Connec	ct this server to cloud	d services					
	LEARN MORE								н	id
	LEARN MORE									_
	ROLES AND SERVER Roles: 1   Server group File and Stor Services	s: 1   Servers rage	1	Local Server		All Serve		1		
	Roles: 1   Server group File and Stor Services Manageability	s: 1   Servers rage	1	<ol> <li>Manageability</li> </ol>		<ul> <li>Manageal</li> </ul>		1		
	ROLES AND SERVER Roles: 1   Server group File and Stor Services	s: 1   Servers rage	1					1		
	ROLES AND SERVER Roles: 1   Server group File and Stor Services (1) Manageability Events	s: 1   Servers rage	1	Manageability Events		Manageal     Events	bility	1		
	ROLES AND SERVER         Roles: 1       Server group         File and Stoi         Services         Manageability         Events         Performance	s: 1   Servers rage	1	<ul> <li>Manageability</li> <li>Events</li> <li>Services</li> </ul>		<ul> <li>Manageal</li> <li>Events</li> <li>Services</li> </ul>	bility	1		

## Installing IIS in the Role Manager

You are now in the Role Manager.

Click "Next >" until you reach the "Server Roles" area (1). There, you activate the role "Web Server (IIS)" (2):

Select server role	25	DESTINATION SERVER WIN-OJ8QSBRBSOL
Before You Begin	Select one or more roles to install on the selected server.	
Installation Type	Roles	Description
Server Selection Server Roles Features Confirmation Results	Active Directory Certificate Service:         Active Directory Domain Services         Active Directory Lightweight Directory Services         Device Health Attestation         DHCP Server         DNS Server         Fax Server         Image: Fax Services         Hyper-V         MultiPoint Services         Print and Document Services         Remote Desktop Services         Volume Activation Services         Word Solicy Services         Word Mode Services         Windows Deploymew Services	Active Directory Certificate Services (AD CS) is used to create certification authorities and related role services that allow you to issue and manage certificates used in a variety of applications.

Confirm the pop-up that shows the selection of the role with "Add Features":

#### Setup:Installation Guide/System Preparation /Windows/IIS Web Server

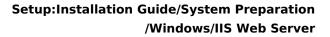


📥 Add Roles and Features Wizard	$\times$
Add features that are required for Web Server (IIS)?	
The following tools are required to manage this feature, but do not have to be installed on the same server.	
<ul> <li>Web Server (IIS)</li> </ul>	٦
<ul> <li>Management Tools</li> </ul>	
[Tools] IIS Management Console	
(·····) ·······························	
<ul> <li>Include management tools (if applicable)</li> </ul>	
Add Features Cancel	

#### Click "Next >":

Select server rol	es	DESTINATION SERVER WIN-OJ8QSBRBSOL
Before You Begin Installation Type Server Selection	Select one or more roles to install on the selected server. Roles Active Directory Certificate Services	Description Web Server (IIS) provides a reliable, manageable, and scalable Web
Server Roles Features Web Server Role (IIS) Role Services	Active Directory Domain Services      Active Directory Federation Services      Active Directory Lightweight Directory Services      Active Directory Rights Management Services      Device Health Attestation      DHCP Server	manageable, and scalable web application infrastructure.
Confirmation Results	DNS Server  Fax Server  File and Storage Services (1 of 12 installed)  Host Guardian Service  Hyper-V  MultiPoint Services  Network Policy and Access Services	

You are now in the "Features" area(1). Activate ".NET Framework 3.5 Features" (2) und click "Next >" (3):



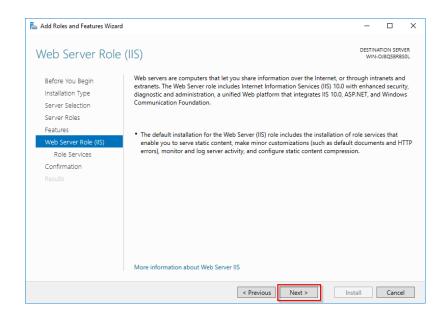


		- □ >
Select features		DESTINATION SERVER WIN-OJ8QSBRBSOL
Before You Begin	Select one or more features to install on the selected server.	
Installation Type	Features	Description
Server Selection Server Roles Web Server Role (IIS) Role Services Confirmation Results	Image: Second	.NET Framework 3.5 combines 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.

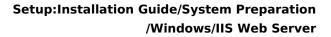


The .NET Framework 3.5 is not directly required for running IIS. However, tools that will be installed later, which are also partially connected with IIS, definitely require it. For this reason, we install it now.

Confirm the following dialog with "Next >":



Under "Role Services" (1) select "Application Development" (2) with the option "CGI" (3) and confirm with "Next >" (4):





📥 Add Roles and Features Wizard		- 🗆 X
Select role service	S	DESTINATION SERVER WIN-OJ8QSBRBSOL
Before You Begin	Select the role services to install for Web Server (IIS)	
Installation Type	Role services	Description
Server Selection	Centralized SSL Certificate Support	CGI defines how a Web server
Server Roles	Client Certificate Mapping Authentication	passes information to an external program. Typical uses might include
Features	<ul> <li>Digest Authentication</li> <li>IIS Client Certificate Mapping Authenticatic</li> </ul>	using a Web form to collect
Web Server Role (IIS)	IP and Domain Restrictions	information and then passing that information to a CGI script to be
Role Services	URL Authorization	emailed somewhere else. Because
Confirmation	Application Development 2	CGI is a standard, CGI scripts can be written using a variety of
Results	.NET Extensibility 3.5 .NET Extensibility 4.6	programming languages. The
	Application Initialization	downside to using CGI is the performance overhead.
	ASP ASP.NET 3.5	performance orenicadi
	ASP.NET 4.6	
	CG 3	
	ISAPI Filters	
	Server Side Includes	
	< >	
	< Previous Next >	> 4 Install Cancel

Click "Install" to start the installation:

onfirm installat	tion selections	
Do you need to specify	an alternate source path? One or more installation selections are missing source files on the destinati	
Before You Begin	To install the following roles, role services, or features on selected server, click Install.	
Installation Type	Restart the destination server automatically if required	
Server Selection Server Roles Features	Optional features (such as administration tools) might be displayed on this page because they har been selected automatically. If you do not want to install these optional features, click Previous to their check boxes.	
Web Server Role (IIS)	.NET Framework 3.5 Features	
Role Services	.NET Framework 3.5 (includes .NET 2.0 and 3.0)	
Confirmation	Web Server (IIS)	
	Management Tools	
	IIS Management Console	
	Web Server	
	Application Development	
	CGI	
	Common HTTP Features	
	Export configuration settings	
	Specify an alternate source path	

As soon as the installation has finished, click "Close" to exit the dialog box.

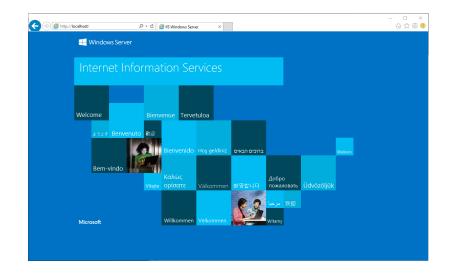


nstallation prog	ress	ATION SER OJ8QSBRE	
	View installation progress		
	Feature installation		
	Installation succeeded on WIN-OJ8QSBRBS0L		
	.NET Framework 3.5 Features		
	.NET Framework 3.5 (includes .NET 2.0 and 3.0)		
	Web Server (IIS)		
Confirmation	Management Tools IIS Management Console		
Results	Web Server		
	Application Development		
	CGI		
	Common HTTP Features Default Document		
	Directory Browsing		,
	You can close this wizard without interrupting running tasks. View task pro page again by clicking Notifications in the command bar, and then Task D Export configuration settings	open thi	5



If the installation terminates with a problem, this is usually caused by the .NET Framework 3.5 in combination with a WSUS server in your domain. The easiest solution for this is to remove the server from the domain, repeat all of the above steps, and then re-adding the server to the domain.

With the successful completion of all these steps, the IIS web server is now installed. Check the functionality by starting Internet Explorer on the server and calling the URL http://localhost/. If installed correctly, you will see the welcome page of the IIS Web server:



## Next step

When you have successfully completed all the above steps, go to the next step "Visual C++ Redistributable for Visual Studio 2015".

