# FORTRA



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# Before You Begin

Read this section before you install Webdocs Windows.

Webdocs Windows is a windows application that runs as two parts, a Website in IIS with a Windows Service (Application Server), and a SQL Database. The Webdocs Windows installer will install and configure all parts.

NOTE: Fortra installers should automatically run with elevated access, but if you experience a permissions issue while executing it, please run it as administrator.

## System Requirements and Notes

Minimum system requirements are the base installation requirements that make the product function. Your individual circumstances may warrant different requirements based on number of users, number of documents imported each day, routes processed per day, etc. It is recommended that you work with your assigned professional services team to determine the best requirements for your individual organization's situation. It's important to also consider that Windows itself is going to use resources. Your organization most likely has antivirus scanning and backup software that will also use resources. Add these requirements to your minimums when sizing a system to run Webdocs Windows.

Virtualized environments are standard across the industry and Webdocs Windows is generally deployed in a 2 server virtualized environment where the application runs on server 1 (App Server) and the database runs on server 2 (SQL Server). Many organizations choose to run SQL Server as a shared resource among several products and services. It is important to consider the total workload of all products when sizing shared resources and not just the minimum requirements listed below. Be sure to review CPU workloads and ensure that VMs are not competing for processing power.

Network Attached Storage is often configured after installation as the location of physical document storage for Webdocs Windows. It is optional in the table below, however most organizations utilize this method for ease of backup and disaster recovery operations.

See the table overleaf for minimum and recommended requirements.

Component	Minimum	<b>Recommended</b> for larger workloads
CPU (App Server)	2 cores (Intel Skylake or equivalent virtual CPUs)	4 cores (Intel Skylake or equivalent virtual CPUs)
CPU (SQL Server)	2 cores (Intel Skylake or equivalent virtual CPUs)	4 cores (Intel Skylake or equivalent virtual CPUs)
RAM (APP Server)	16 GB (50 Users)	24-32 GB
RAM (SQL Server)	8 GB	16 GB
Disk (App Server)	250 GB SSD (fast IOPS, especially for temp/logs/cache)	500 GB SSD
NAS (Document Storage)	250 GB (2-5 million documents)	І ТВ
Disk (SQL Server)	100 GB SSD	2500 GB SSD
Network	I Gbps Ethernet	I Gbps Ethernet
os	Windows Server 2019 Standard	Windows 2025 Datacenter
SQL Server	SQL Server 2019 Standard (64-bit)	SQL Server 2022 Enterprise (64-bit)
.NET Runtime	.NET Framework 4.7.2 with latest patches	.NET Framework 4.8 with latest patches
IIS Version	IIS 10 (included with Windows Server 2016- 2025)	IIS 10 (included with Windows Server 2106-2025)

## Enabling and Setting TCP/IP in Microsoft SQL Server

Before installing Webdocs follow the process to enable and set TCP/IP in Microsoft SQL Server. Make sure the requirements are installed or present on the Webdocs server.

#### NOTE:

These instructions show you how to enable and set TCP/IP in Microsoft SQL Server using a version of Microsoft SQL Server that has been configured with an instance name. Depending on how you configured Microsoft SQL Server, your version of Microsoft SQL Server may not use an instance name.

#### Steps

I. Open SQL Server Configuration Manager on the Webdocs server.

SQL Server Configuration Manager displays.



 Click: SQL Server Configuration Manager (Local) > SQL Server Network Configuration > Protocols for SQLEXPRESS, where SQLEXPRESS is the Microsoft SQL Server instance name.

Protocol names display.



- 3. Enable TCP/IP:
  - a. Right-click TCP/IP and choose Properties.

TCP/IP displays.

TCP/IP Properties		?	×
Protocol IP Addresses			
General			
Enabled	Yes		-
Keep Alive	30000		
Listen All	Yes		

b. To enable TCP/IP, in **Enabled**, choose **Yes**.

TCP/IP Prop	erties		?	×
Protocol I	P Addresses			
Genera	ıl.			
Enable	d	Yes		-
Keep A	live	Yes		
Listen	All	No		

c. Click the **IP Addresses** tab.

The IP Addresses display.

TCP/IP Properties	?	×
Protocol IP Addresses		
🛛 IP1		
Active Yes		
Enabled No		
IP Address fe80::d59b:40	bc:425:3f7f%16	
TCP Dynamic Ports		
TCP Port 1433		
± IP2		
± IP4		
TCP Dynamic Ports		
TCP Port 1433		
TCP Port		
TCP port		
OK Cancel Ar	pply He	elp

- d. Under IPAII, type I433 in the TCP Port row:
- e. Click Apply Apply

A dialog box displays that warns you to restart the service before the changes will take effect.

- f. Click **OK** to exit the TCP/IP Properties dialog box.
- 4. Under SQL Server Configuration Manager (Local), click SQL Server Services.
- 5. Right-click **SQL Server (SQLEXPRESS)**, where **SQLEXPRESS** is the Microsoft SQL Server instance name, and click **Restart**.



The service stops and restarts, and TCP/IP is enabled and set.

# Setting the Authentication Mode in Microsoft SQL Server

Before you can install Webdocs, you need to select SQL Server and Windows authentication in Microsoft SQL Server.

#### NOTE:

This setting is only required for the install process. After Webdocs is running it is no longer needed.

Setting the Authentication Mode in Microsoft SQL Server is divided into the following steps:

- I. Connecting to Microsoft SQL Server
- 2. Selecting SQL Server and Windows Authentication
- 3. Setting the Authentication Mode Security
- 4. Restarting Microsoft SQL Server

#### NOTE:

These instructions show you how to set the authentication mode in Microsoft SQL Server using a version of Microsoft SQL Server that has been configured with an instance name. Depending on how you configured Microsoft SQL Server, your version of Microsoft SQL Server may not use an instance name.

## Connecting to Microsoft SQL Server

#### Steps

 Open Microsoft SQL Server Management Studio on the Webdocs server. Connect to Server displays.

	SQL Server	
	SQL SCITCI	
Server type:	Database Engine	~
Server name:	HSATP	~
Authentication:	Windows Authentication	~
User name:		
Password:		
	Remember password	

- 2. In Authentication, choose Windows Authentication.
- 3. Click Connect Connect

Microsoft SQL Server Management Studio displays.



You are connected to Microsoft SQL Server.

## Selecting SQL Server and Windows Authentication

#### Steps

 In Microsoft SQL Server Management Studio, right-click RJS-DEV-005\SQLEXPRESS, where RJS-DEV-005 is the Microsoft SQL Server name and SQLEXPRESS is the Microsoft SQL Server instance name, and choose Properties.

Server Properties displays.



2. Under Select a page, click Security.



3. Under Server authentication, make sure SQL Server and Windows Authentication mode is selected.

Select a page P General	🔄 Script 👻 🚺 Help
Memory Processors Connections Database Settings Advanced Permissions	Server authentication Windows Authentication mode SOL Server and Windows Authentication mode Login auditing None Failed logins only Successful logins only Both failed and successful logins

4. Click **OK** .

SQL Server and Windows Authentication mode is selected.

## Setting the Authentication Mode Security

#### Steps

 In Microsoft SQL Server Management Studio, under RJS-DEV-005\SQLEXPRESS, where RJS-DEV-005 is the Microsoft SQL Server name and SQLEXPRESS is the Microsoft SQL Server instance name, expand Security > Logins.

The contents of Logins display.



2. Right-click **sa** and click **Properties**.

Login Properties - sa displays.

Login Properties - sa			- • • × •
Select a page	🖾 Script 👻 🚺 Help		
Userver Roles	Login name: Vividovs authentication SOL Server authentication Password: Confirm password: Confirm password Old password Old password pole	•••••	Search

- 3. In **Password**, type a password.
- 4. In **Confirm password**, re-type the password.
- 5. Under Select a page, click User Mapping and make sure webdocs is checked.

Select a page General Server Roles User Mapping	Script	🕶 🚺 Help			
	Users ma	pped to this login:			
🚰 Status	Map	Database	User	Default Schema	
		master	dbo	dbo	
		model	dbo	dbo	
		msdb	dbo	dbo	
		RJSReportDelivery	dbo	dbo	
	1	tempdb	dbo	dbo	
		webdocs	dbo	dbo	

- 6. Under Select a page, click Status and make sure of the following:
  - Permission to connect todatabase engine is set to Grant.
  - Login is set to Enabled.

Login Properties - sa		- 0 <del>- X</del>
Select a page	📓 Script 👻 🚺 Help	
Conver Roles User Mapping	Settings Permission to connect to database engine:   Grant  Grant	

7. Click OK

The authentication mode security is set.

## Restarting Microsoft SQL Server

#### Steps

 In Microsoft SQL Server Management Studio, right-click localhost\SQLEXPRESS, where *localhost* is the Microsoft SQL Server name and *SQLEXPRESS* is the Microsoft SQL Server instance name, and click **Restart**.



A dialog box displays, asking if you want to restart Microsoft SQL Server.

#### 2. Click Yes

The Service Control gauge displays, telling you the progress of restarting Microsoft SQL Server. When the Service Control gauge no longer displays, Microsoft SQL Server is restarted and the authentication mode is set in Microsoft SQL Server.

# Installing Webdocs Windows

Follow these instructions to install Webdocs Windows.

## Using the Webdocs Setup Wizard

To download the Webdocs Set-Up Wizard, visit the Fortra Support Portal.

#### **Best Practices:**

- Download and complete the Setup Wizard at a time when you can call Fortra during business hours. You may need to talk to technical support to get certain user names, passwords, and authorization codes.
- Make a backup of the database first.

#### NOTE:

If you are using routing and want to manage routes from the Webdocs server, install the Webdocs Route Designer on the server. If you want to manage routes on another system, after you have installed Webdocs on the Webdocs server, run the Webdocs installer again on the other system and only install the Webdocs Route Designer component.

### During installation:

In Server, type the connection to the database server. Depending on how you configured Microsoft SQL Server, use either the format server\instance or server, where server is the Microsoft SQL Server name and instance is the Microsoft SQL Server instance name. Neither the server name nor the instance name are case-sensitive.

QL Database Configure SQL	Connection	FORTRA
Server:		
Port:		
Database:		
Username:		
Password:	•••••	
Encrypt:	ComboBox	~
Test Conne	ction	< Back Next > Cancel

#### NOTE:

To find Microsoft SQL Server instance names, open SQL Server Configuration Manager. The instance names display under SQL Server Services.

Press the **Test Connection** Test Connection button to test the Microsoft SQL Server connection.

## After You are Done

Congratulations! Webdocs Windows is now installed. Read the following for additional information and your next steps.

After installation, contact Fortra if you do not have:

- The Webdocs default administrator name and password.
- The Webdocs URL.

To finish the Webdocs installation process, continue with the remaining sections that follow.

## **Optional IIS Autostart Configuration**

## Install IIS Application Initialization Feature

#### Windows Server 2008 R2

1. Open a web browser and visit the **Application Initialization Module** download page on the IIS.NET website.



2. Scroll to the bottom of the page to find the module's download links.



3. Click on the x64 link to begin the module download.



- 4. Once the download completes, run the downloaded installer and walk through all installer dialogs until completion.
- 5. After the installer finishes, Windows will require a reboot in order to finish installing the module and make the new settings usable.

#### Windows Server 2012 and 2012 R2

1. Open the Windows Server Add Roles and Features Wizard and step through until reaching the Server Roles category.



2. In the **Roles** pane, scroll down the list of roles and find the **Web Server (IIS)** role.

1	I	DESTINATION SERVE
elect server ro	les	WIN-VT8IA10HLR
Before You Begin	Select one or more roles to install on the selected server.	
Installation Type	Roles Desc	ription
Server Selection		Server (IIS) provides a reliable,
Server Roles		ageable, and scalable Web ication infrastructure.
Features	DNS Server	
	Fax Server	
	File and Storage Services (2 of 12 installed)	
	Hyper-V	
	Network Policy and Access Services	
	Print and Document Services	
	Remote Access	
	Remote Desktop Services	
	Volume Activation Services	
	Web Server (IIS) (28 of 43 installed)	
	Windows Deployment Services	
	Windows Server Essentials Experience	
	Windows Server Update Services	

3. Expand the **Web Server (IIS)** role and expand the features **Web Server** and **Application Development**.

<u>a</u>	Add Roles and Features Wizard	_ <b>_</b> ×
Select server ro Before You Begin Installation Type Server Selection Server Roles Features Confirmation Results	Select one or more roles to install on the selected server.  Roles  rmnt and uocument services  Remote Access Remote Access Remote Desktop Services Wolbware Activation Services Web Server (15) (28 of 43 installed)  Remote Access Remote Access Remote Development (5 of 11 installed) Remote Development (5 of 11 installed) Remote Development (5 of 11 installed)	DESTINATION SERVER WIN-VTRIATOHLRE Description Application Development provides infrastructure for developing and hosting Web applications. Use these features to create Web content or extend the functionality of IIS. These technologies typically provide a way to perform dynamic operations that result in the creation of HTML output, which IIS then sends to fulfill client requests.
		> Install Cancel

4. Select the **Application Initialization** feature by clicking the check box to the left of the feature name.

elect server roles Before You Begin Installation Type	Select one or more roles to install on the selected server.	DESTINATION SERVER WIN-VTBIA TOHLRE
Results	A Web Server (25 of 34 installed) <ul> <li>Image: Common HTTP Features (5 of 6 installed)</li> <li>Image: Common HTTP Features (5 of 6 installed)<!--</td--><td>Description Application Initialization perform expensive web application initialization tasks before serving web pages.</td></li></ul>	Description Application Initialization perform expensive web application initialization tasks before serving web pages.

5. Click Next and finish the wizard to have Windows install the required features.

## Configure Application Pool Start Mode and Web Site Preload

#### Windows Server 2008 R2

- I. Open the global IIS configuration file with a text editor. The default location is C:\Windows\System32\inetsrv\config\applicationHost.config.
- 2. Edit the Webdocs application pool and website global settings highlighted below. Add any properties that don't exist yet.



3. Save the applicationHost.config file and restart IIS.

Windows Server 2012 and 2012 R2 – Application Pool Start Mode

I. Open Internet Information Services (IIS) Manager.

🗋 🚺 🖛		Adm	ninistrative Too	ols
File Home Shar	e View			
۰ 🕲 🗠 🕲 🕲	Control Panel + All Control Panel Items + Adminis	trative Tools		
🔆 Favorites	Name	Date modified	Туре	Size
Desktop	January Terminal Services	8/22/2013 10:39 AM	File folder	
Downloads	Component Services	8/22/2013 1:57 AM	Shortcut	2 KE
Secent places	🛃 Computer Management	8/22/2013 1:54 AM	Shortcut	2 KE
	Defragment and Optimize Drives	8/22/2013 1:47 AM	Shortcut	2 K
🌉 This PC	🛃 Event Viewer	8/22/2013 1:55 AM	Shortcut	2 KE
	Internet Information Services (IIS) Manager	8/22/2013 1:50 AM	Shortcut	2 KI
🙀 Network	😥 iSCSI Initiator	8/22/2013 1:57 AM	Shortcut	2 KE
	🛃 Local Security Policy	8/22/2013 1:54 AM	Shortcut	2 K
	Microsoft Azure Services	11/21/2014 2:11 AM	Shortcut	2 KE

2. In the **Connections** pane, select the **Application Pools** node, revealing the Application Pools pane in the main view.



3. Select the Webdocs application pool.

Applicatio	on Pools				
This page lets you view a applications, and provide				server. Application po	ols are associated w
Filter:		_	II Group by: No	Grouping	•
Name 🔺	Status	.NET CLR V	Managed Pipel	Identity	Applications
.NET v4.5	Started	v4.0	Integrated	ApplicationPoolId	0
.NET v4.5 Classic	Started	v4.0	Classic	ApplicationPoolId	0
DefaultAppPool	Started	v4.0	Integrated	ApplicationPoolId	1
	Juncou	****	integrateu		

4. Click Advanced Settings...

	- De ele					Ac	tions
Applicatic This page lets you view a with worker processes, c Filter:	ind manage ontain one c	the list of applic or more applicati		olation among differer		\$	Add Application Pool Set Application Pool Defaults Application Pool Tasks Start
Name *	Status	.NET CLR V	Managed Pipel	Identity	Applications		Stop
.NET v4.5	Started	v4.0	Integrated	ApplicationPoolId	0	2	Recycle
.NET v4.5 Classic	Started	v4.0	Classic	ApplicationPoolId	0		Edit Application Pool
DefaultAppPool	Started	v4.0	Integrated	ApplicationPoolld	1		Basic Settings
WebDocsAppPool	Started	v4.0	Integrated	NetworkService	1		Recycling
							Advanced Settings
							Rename

5. Locate the **Start Mode** option under the General group and set it to **AlwaysRunning**.

	Advar	nced Settings	?	X
⊿	(General)			^
	.NET CLR Version	v4.0		
	Enable 32-Bit Applications	True		
	Managed Pipeline Mode	Integrated		
	Name	WebDocsAppPool		=
	Queue Length	1000		
	Start Mode	AlwaysRunning	×	
4	CPU			

6. Click OK.

Server 2012 and 2012 R2 – Web Application Preload

1. Open Internet Information Services (IIS) Manager.

a I 🔂 🔝 🖛 I		Adm	ninistrative Too	ols
File Home Shar	e View			
) 🔿 – 🕇 🕲 🕨	Control Panel 🔸 All Control Panel Items 🕨 Adm	inistrative Tools		
☆ Favorites	Name	Date modified	Туре	Size
Desktop	🐌 Terminal Services	8/22/2013 10:39 AM	File folder	
\rm Downloads	Component Services	8/22/2013 1:57 AM	Shortcut	2 KB
Recent places	🛃 Computer Management	8/22/2013 1:54 AM	Shortcut	2 KB
	📸 Defragment and Optimize Drives	8/22/2013 1:47 AM	Shortcut	2 KB
👰 This PC	🛃 Event Viewer	8/22/2013 1:55 AM	Shortcut	2 KB
	😹 Internet Information Services (IIS) Manag	er 8/22/2013 1:50 AM	Shortcut	2 KB
📬 Network	😹 iSCSI Initiator	8/22/2013 1:57 AM	Shortcut	2 KB
	🛃 Local Security Policy	8/22/2013 1:54 AM	Shortcut	2 KB
	Microsoft Azure Services	11/21/2014 2:11 AM	Shortcut	2 KB

2. In the **Connections** pane, select the **Sites** node, revealing the Sites pane in the main view.



3. Select the Webdocs site.

Sites			
Filter:	👻 🐺 Go	- 🕁 Show A	II Group by:
Name 📩	ID	Status	Binding
😪 Default Web Site	1	Stopped (h	*:80 (http)
😌 WebDocs	2	Started (ht	:80 (http)

4. Click Advanced Settings...



5. Locate the **Preload Enabled** option under the General group and set it to **True**.

	Advance	ed Settings	?	x
1	(General)			
	Application Pool	WebDocsAppPool		
	Bindings	http::80:		
	ID	2		
	Name	WebDocs		
	Physical Path	C:\Inetpub\WEBDOCSITE		
	Physical Path Credentials			
	Physical Path Credentials Logon	ClearText		
	Preload Enabled	True		~
1	Behavior			
	Enabled Protocols	http		
,	Failed Request Tracing			
,	Limits			

6. Click OK.