# Trimble® 4D Control – Version 5.0 Web

## **Installation Guide**



**Trimble Inc. - Documentation** 

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#### **1** Introduction

**Trimble® 4D Control Web** provides a web interface to users for visualizing and analyzing sensor data.

**Trimble® 4D Control Web** is a website application written that runs on **Microsoft ASP.NET** hosted by Internet Information Services (IIS) on Microsoft Windows.

Trimble<sup>®</sup> 4D Control Web and Trimble<sup>®</sup> 4D Control Server are usually installed on the same server computer. Trimble<sup>®</sup> 4D Control Server must <u>first</u> be installed. Trimble<sup>®</sup> 4D Control Web can then be installed; also on a separate Web Server computer if required.

We will use the term *Target Server Computer* to refer to the computer onto which you are installing **Trimble® 4D Control Web**.

#### **1.1 Installation Prerequisites**

#### 1.1.1 Trimble® 4D Control Server

Before running the **Trimble® 4D Control Web** installation on the *Target Server Computer*, please verify that the *Target Server Computer* has **Trimble® 4D Control Server** installed on it, OR that the *Target Server Computer* has network connectivity to a Server Computer where **Trimble® 4D Control Server** is installed.

#### **1.1.2 Windows Updates and User Rights**

Ensure that the latest Windows updates are installed on the *Target Server Computer* and that you have administrative rights.

Also when you run the installer found on the installation DVD, it will <u>automatically check and</u> <u>install</u> the following prerequisites for **Trimble® 4D Control Web** on the *Target Server Computer* at the start of the installation:

- Microsoft .NET Framework 4.6.1.
- Internet Information Services (IIS) and required features.

#### 1.1.3 Network Connectivity

If **Trimble® 4D Control Web** are to be installed on a separate **Web Server** computer then port 31058 needs to be opened on the *Target Server Computer* firewall.

**Trimble® 4D Control Web** will also need to access SQL Server port 1433 to access the Monitoring Database. If Microsoft SQL Server is installed on the *Target Server Computer* please make sure that

SQL Server port 1433 is opened on the Database Server Computer and that TCP/IP Network access is enable on the SQL Server Instance. Browsers on other computers will access **Trimble® 4D Control Web** via Port 80. It is important to ensure that the firewall configuration on the *Target Server Computer* allows TCP traffic on port 80.

**Trimble® 4D Control Web** makes use of E-mail communication. The *Target Server Computer* must therefore also be able to send SMTP mail via the port of the mail server of your choice.

#### **1.1.4 Internet Information Services (IIS)**

Trimble<sup>®</sup> 4D Control Web requires Internet Information Services and relevant features to be installed on the *Target Server Computer*. The installer will <u>automatically check and install</u> all the required IIS feature for you, so normally you would not be required to manually install IIS on the *Target Server Computer*. Nevertheless below is the complete list of relevant IIS features used by Trimble<sup>®</sup> 4D Control Web:

Name	Feature Code	Description
.NET Extensibility 4.6	IIS-NetFxExtensibility45	Enable your Web server to host .NET Framework v4.6 applications
Application Development Features	IIS-ApplicationDevelopment	Install Web server application development features
ASP.NET 4.6	IIS-ASPNET45	Enable your Web server to host ASP.NET v4.6 applications
ASP.NET 4.6	NetFx4Extended-ASPNET45	ASP.NET 4.6
Basic Authentication	IIS-BasicAuthentication	Require a valid Windows user name and password for connection.
Centralized SSL Certificate Support	IIS-CertProvider	Centralized SSL Certificate Support enables you to manage SSL server certificates centrally using a file share. Maintaining SSL server certificates on a file share simplifies management since there is one place to manage them.
Client Certificate Mapping Authentication	IIS- ClientCertificateMappingAuthentication	Authenticate client certificates with Active Directory accounts.
Common HTTP Features	IIS-CommonHttpFeatures	Installs support for Web server content such as HTML and image files.
Default Document	IIS-DefaultDocument	Allows you to specify a default file to be loaded when users do not specify a file in a request URL
Directory Browsing	IIS-DirectoryBrowsing	Allow clients to see the contents of a directory on your Web server
Dynamic Content Compression	IIS-HttpCompressionDynamic	Compress dynamic content before returning it to client
HTTP Errors	IIS-HttpErrors	Allows you to customize the error messages returned to clients
HTTP Redirection	IIS-HttpRedirect	Redirect client requests to a specific destination
IIS Client Certificate Mapping Authentication	IIS-IISCertificateMappingAuthentication	Map client certificates 1-to-1 or many-to-1 to a Windows security identity.
IIS Management Service	IIS-ManagementService	Allow the web server to be managed remotely from another computer via the Web server Management Console
Internet Information Services	IIS-WebServerRole	Internet Information Services provides support for Web and FTP servers, along with support for ASP.NET web sites, dynamic content such as Classic ASP and CGI, and local and remote management.
ISAPI Extensions	IIS-ISAPIExtensions	Allow ISAPI extensions to handle client requests
ISAPI Filters	IIS-ISAPIFilter	Allow ISAPI filters to modify Web server behavior
Performance Features	IIS-Performance	Install performance features
Request Filtering	IIS-RequestFiltering	Configure rules to block selected client requests.
Security	IIS-Security	Enable additional security features to secure servers, sites, applications, vdirs, and files
Static Content	IIS-StaticContent	Serve .htm, .html, and image files from a Web site

Static Content Compression	IIS-HttpCompressionStatic	Compress static content before returning it to a client
URL Authorization	IIS-URLAuthorization	Authorize client access to the URLs that comprise a Web application.
Web Management Tools	IIS-WebServerManagementTools	Install Web management console and tools
Windows Authentication	IIS-WindowsAuthentication	Authenticate clients by using NTLM or Kerberos.
World Wide Web Services	IIS-WebServer	Installs the IIS World Wide Web Services. Provides support for HTML web sites and optional support for ASP.NET, Classic ASP, and web server extensions.

Figure 1: List of IIS features used by Trimble 4D Control Web

#### **1.2 Supported Browsers**

Trimble<sup>®</sup> 4D Control Web requires either the latest versions of Chrome, Firefox, Microsoft Edge or Microsoft Internet Explorer (IE) version 9 or higher on computers used by the users of Trimble<sup>®</sup> 4D Control Web to access the website.

#### **1.3 General Overview**

**Trimble 4D Control Server** 



Trimble 4D Control Web

### 2 Installation Instructions

Below the steps to install Trimble® 4D Control Web:

a. Execute the **Trimble® 4D Control Web** setup.exe file or launch it from the Installation DVD splash screen. If you are asked whether or not the program may be allowed to make changes to your computer then click on "Yes".

b. The Installer will verify that the required IIS features are installed on the *Target Server Computer*. A prompt will be displayed if some of these features are missing. If so click on "Enable" to proceed.

Trimble Software Installer - Enable	Windows Features	
The following Windows fea These features are necessa	tures must be enabled. ary for the application to run correctly on your system.	
Feature	Description	^
IIS-NetFxExtensibility45	.NET Extensibility 4.6	
IIS-Application Development	Application Development Features	
NetFx4Extended-ASPNET45	ASP.NET 4.6	
IIS-ASPNET45	ASP.NET 4.6	
IIS-BasicAuthentication	Basic Authentication	
IIS-CertProvider	Centralized SSL Certificate Support	
IIS-ClientCertificateMappingAuth	Client Certificate Mapping Authentication	
IIS-Common Http Features	Common HTTP Features	
IIS-DefaultDocument	Default Document	
IIS-DirectoryBrowsing	Directory Browsing	¥
	Enable Car	icel

Figure 2: Prompt for IIS feature installation

c. The installer will then proceed to install the required IIS features:

(@-Trim)	ole.	
Installing additior	al 27 required IIS features	

Figure 3: Installing IIS features notice

d. Next you should see the installation wizard appear with a "Welcome" message and instructions on how to download this document.



Figure 4: Installation Welcome Step

e. Accept the license terms and click "Next":

😸 Trimble 4D Control Web Setup —	×
End-User License Agreement	
Please read the following license agreement carefully	
TRIMBLE NAVIGATION LIMITED	^
END USER LICENSE AGREEMENT FOR TRIMBLE 4D CONTROL	
IMPORTANT, READ CAREFULLY, THIS ENDLISER LICENSE AGREEME	NT
("Agreement") IS A LEGAL	
AGREEMENT BETWEEN YOU, either an individual or a single entit	v.
AND TRIMBLE NAVIGATION LIMITED and applies to the Trimble 4	D
Control software product edition and release version provided	~
☑ I accept the terms in the License Agreement	
Print Back Next	Cancel

Figure 5: License Agreement

f. The next page will prompt for the Trimble<sup>®</sup> 4D Control Server network name. Here you need to specify the *computer network name where* Trimble<sup>®</sup> 4D Control Server is installed if you are installing Trimble<sup>®</sup> 4D Control Web on a separate computer than Trimble<sup>®</sup> 4D Control Server. If Trimble<sup>®</sup> 4D Control Web is however to be installed on the same computer as Trimble<sup>®</sup> 4D Control Server (as the case in the figure below) then you can simply click on the "Next" button to proceed.

😸 Settings - Trimble 4D Control Web	×
Settings Please enter the Trimble 4D Control Server Connection Configuration	
Irimble 4D Control Server Address: localhost The Trimble 4D Control Server was found on your system. Trimble 4D Control Web will connect to the local Trimble 4D Control Server installation.	
<u>B</u> ack <u>N</u> ext	Cancel

Figure 6: Trimble 4D Control Server Connection Configuration

g. You will then be prompted to specify the location of the database server hosting the Monitoring Database. If Trimble® 4D Control Server is installed on your Target Server Computer then these settings will already be populated and you can simply click on the "Test Connection" button and then click on the "Next" button. Otherwise you will first need to specify the address of the SQL server, credentials and database.

Settings - Trimble - Settings Please enter the M	ID Control Web	
<u>D</u> atabase ser	ver:	
.\SQL2014		
<u>D</u> atabase na	ne:	
TPPDBMonit	pring	
Login:	Ibb	
Password:	•••••	
Test Co	Not Tested	
		<b>a</b> 1
	<u>D</u> ack <u>N</u> ext	Cancel

Figure 7: SQL Connection Details

h. In the next step, you can change the location where **Trimble® 4D Control Web** should be installed. It is however recommended not to change this location. Click the "Next" button to proceed.

븅 Trimble 4D Control Web Setup	– 🗆 X
Custom Setup Select the way you want features to be installed.	
Click the icons in the tree below to change the wa	ay features will be installed.
Administrator Web	Trimble 4D Control Web Interface used to visualize and analyze sensor data. This feature requires 93MB on your hard drive. It has 2 of 2 subfeatures selected. The subfeatures require 49MB on your hard drive.
Location: C:\Program Files (x86)\Trimble\	Browse
Reget Disk Usage	Back Next Cancel

Figure 8: Installation Components and Location

 The installation now has enough information to continue and install the Trimble<sup>®</sup> 4D Control Web application. Click on the "Install" button and wait for the installation to complete.



Figure 9: Click "Install" and wait for the installation to complete.

j. Once the installation is completed you can select the checkbox to immediately launch Trimble<sup>®</sup> 4D Control Web once the Setup Dialog is closed. Click on the "Finish" button to close the Setup Dialog.



Figure 10: Click "Finish" when installation is completed.

#### 3 Open Trimble 4D Control Web

You are now ready to start using the **Trimble® 4D Control Web** application. Open a browser and navigate to "http://[Your Web Server IP or Address]/T4DWeb". You should be presented with the following page:

Trimble 4[ Version 5.0	D Control™
Email*	
Password*	
Keep me signed in	
	Sign In
Switch to mobile	Forgot your password? 🕜

Figure 11: Trimble 4D Control Web login page

**NB:** The default user to login onto Trimble<sup>®</sup> 4D Control Web is the username "Admin" and password "Admin" (case sensitive).

#### 4 HTTPS setup instructions (optional)

After completing the installation verification, you may want to access **Trimble® 4D Control Web** via the HTTPS protocol. In order to do this, you need to install a SSL certificate in IIS and enable HTTPS access.

You can also configure Trimble® 4D Control Web to only allow access via the HTTPS protocol.

#### 4.1 SSL certificate and HTTPS bindings in IIS

You can acquire a trusted SSL certificate from a certificate authority such as **digicert** or **GlobalSign**. The particular certificate authority will provide you with the steps to follow to request and install their trusted SSL certification on IIS. After installing your trusted certificate follow step (c) below to enable HTTPS access on IIS.

Alternatively you can create your own self-signed certificate by following these steps:

a. In IIS manager, click the computer name node and In Features View, double-click Server Certificates.



Figure 12: SSL : Select server certificates

b. On the Server Certificates View click on the action **Create Self-Signed Certificate**. A certificate should be created and appear in the list on the left pane.

Server Cert	ificates				Actions
J Server cen	incutes				Import
Use this feature to request	and manage certificates that t	he Web server can use with Web s	ites configured for SSL.		Create Certificate Request
Name	Issued To	Issued By	Expiration Date	Certificate	Complete Certificate Request.
DETJG7 selfsigned	DET-JG7	DET-JG7	18.03.2016 01:00:00	5396C9DD	Create Demoin Contificate
					Create Self-Signed Certificate
					Vietom
					Export
					🗙 Remove
					🔞 Help
					Online Help

Figure 13: SSL : Create Self-Signed certificate

- c. In IIS manager
  - (1) Click on the Default Web Site node and
  - (2) Click on the action Bindings....
  - (3) In the **Site Bindings** dialog, click on the **Add** button.
  - (4) Select https, All Unassigned and port 443 and make sure you enter the Url that matches your certificate.
  - (5) Choose the certificate uploaded previously.

<b>e</b> j	Internet Information Services (IIS) Manager	_ 🗆 X			
🛞 💿 💊 λ AZTRIMBLE + Sites + Default Web Site +					
<u>File View H</u> elp					
Connections	Default Web Site Home	Actions			
Vinicular Start Page Start P	Default Web Site Home   Fite: <p< td=""><td>Bindings       Very Applications       View Applications       Statt       Statt</td></p<>	Bindings       Very Applications       View Applications       Statt       Statt			
Dec.4.	Eastures View $ \vec{k} _{c}^{\infty}$ Content View	 			
Ready		<b>*1</b> .:			
26 ite	TrimbleJog23 14/09/2017 10:13 23 File 4,097 KB				

Figure 14: Edit IIS Bindings

d. Edit the existing http binding and change the **Host name** to "localhost". This will restrict http access to localhost **only**.

Your http and https bindings should now look like this (you can ignore other bindings if they exist):

			2	Site Bindings	? X
Type	Host Name	Port	IP Address	Binding Information	<u>A</u> dd
https	my.publicurl.com	443	*		<u>E</u> dit
	Make sure you have: - An <i>http</i> binding to <i>localhost</i> on f - An <i>https</i> binding to your <i>public</i> i	oort 80 name on	port 443		<u>R</u> emove <u>B</u> rowse
					<u>C</u> lose

Figure 15: What *http* and *https* bindings should look like.

#### **5** Troubleshooting

- 5.1 Errors when browsing to Trimble 4D Control Web
- 5.1.1 HTTP Error 500.19 Internal server error

Detailed Erro	or Information:		
Module	IIS Web Core	Requested URL	http://localhost:80/t4dweb
Notification	BeginRequest	Physical Path	C:\Program Files (x86)\Trimble\Trimble 4D Control Web
Handler	Not yet determined	Logon Method	Not yet determined
Error Code	0x80070021	Logon User	Not yet determined
	section is locked at a parent level. Locki ng is either by default (overrideModeDef ault="Deny"), or set explicitly by a locat ion tag with overrideMode="Deny" or th e legacy allowOverride="false".		
Config File	\\?\C:\Program Files (x86)\Trimble\Tr imble 4D Control Web\web.config		
Config Sourc	e:		
117:	<validation td="" validateinteg<=""><td>gratedModeConfigur</td><td>ation="false"/&gt;</td></validation>	gratedModeConfigur	ation="false"/>
118:	<modules runallmanagedmod<="" td=""><td>tulesForAllRequest</td><td>s="true"/&gt;</td></modules>	tulesForAllRequest	s="true"/>
119:	<urlcompression dostatic<="" td=""><td>Compression="true"</td><td>doDynamicCompression="true"/&gt;</td></urlcompression>	Compression="true"	doDynamicCompression="true"/>
More Inform This error occurs mation about wh	ation: when there is a problem reading the confi at caused this error.	guration file for the We	b server or Web application. In some cases, the event logs may contain more infor

When trying to access Trimble<sup>®</sup> 4D Control Web from the server computer the following message is displayed:

HTTP Error 500.19 – Internal server error with details: xxx cannot be read because it is missing a section declaration.

This problem is caused by particular **IIS Feature Delegation** settings that are incorrect. Correct the particular **IIS Feature Delegations** by the following steps:

Open **IIS Manager**, select the computer name node and double-click **Feature Delegation** under Management:



Figure 17: Http Error 500.19

Make sure that the delegation setting of the features *Handler Mappings* and *Modules* are both set to *Read/Write*.

	lagation		Actions
Use this feature to configu Manager. Group by: No Grouping	IEGATION re the default delegation state for features	at lower levels in IIS	Set Feature Delegation Read/Write Read Only Not Delegated Beset to Inharited
Name 📩	Delegation	^	Reset to mitched
Default Document	Read/Write		Reset All Delegation
Directory Browsing	Read/Write		Custom Site Delegation
Error Pages	Read/Write		Help
Feature Delegation	Read/Write		
Handler Mappings	Read/Write		
HTTP Redirect	Read/Write		
HTTP Response Headers	Read/Write		
ISAPI Filters	Read Only		
Logging	Not Delegated		
Machine Key	Read/Write		
MIME Types	Read/Write		
Modules	Read/Write		
Output Caching	Read/Write	≡	
Pages and Controls	Read/Write		
Request Filtering	Read/Write		
Session State	Read/Write		
SMTP E-mail	Read/Write		
SSL Settings	Read Only	~	

Figure 18: Http Error 500.19: Enable Read/Write for Handler Mappings and Modules

You can now retry accessing Trimble<sup>®</sup> 4D Control Web from the server computer to make sure the issue has been resolved.

If the issue still persists please refer to Microsoft Support page: https://support.microsoft.com/en-us/kb/942055

#### 5.1.2 Could not load type System.ServiceModel.Activation.HttpModule

#### Server Error in '/T4DWeb' Application.

*Could not load type 'System.ServiceModel.Activation.HttpModule' from assembly 'System.ServiceModel, Version=3.0.0.0, Culture=neutral, PublicKeyToken= b77a5c561934e089'.* 

Description: An unhandled exception occurred during the execution of the current web request. Please review the stack trace for more information about the error and where it originated in the code.

**Exception Details:** System.TypeLoadException: Could not load type 'System.ServiceModel.Activation.HttpModule' from assembly 'System.ServiceModel, Version=3.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089'.

#### Source Error:

An unhandled exception was generated during the execution of the current web request. Information regarding the origin and location of the exception can be identified using the exception stack trace below.

#### Stack Trace:

[TypeLoadException: Could not load type 'System.ServiceModel.Activation.HttpModule' from assembly 'System.ServiceModel, Version=3.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089'.]
System.RuntimeTypeHandle.GetTypeByName(String name, Boolean throwOnError, Boolean ignoreCase, Boolean
reflectionOnly, StackCrawlMarkHandle stackMark, IntPtr pPrivHostBinder, Boolean loadTypeFromPartialName,
ObjectHandleOnStack type) +0
System.RuntimeTypeHandle.GetTypeByName(String name, Boolean throwOnError, Boolean ignoreCase, Boolean
reflectionOnly, StackCrawlMark& stackMark, IntPtr pPrivHostBinder, Boolean loadTypeFromPartialName) +70
System.RuntimeType.GetType(String typeName, Boolean throwOnError, Boolean ignoreCase, Boolean
reflectionOnly, StackCrawlMark& stackMark) +39
System.Type.GetType(String typeName, Boolean throwOnError, Boolean ignoreCase) +37
System.Web.Compilation.BuildManager.GetType(String typeName, Boolean throwOnError, Boolean ignoreCase)
+65

19: Could not load type System.ServiceModel.Activation.HttpModule

When trying to access Trimble<sup>®</sup> 4D Control Web from the server computer the following message is displayed:

Could not load type System.ServiceModel.Activation.HttpModule

This is a known issue with IIS.

All NET 4.5 websites running on IIS will display this error message under the following situations:

- 1. On Windows Server 2008, it could happen when you install .NET 3.x framework or IIS 7.5 with Activation features after .NET framework 4.x is installed
- 2. On **Windows Server 2012**, it always happens when you install .NET framework 3.x with Activation features.

We prescribe the **following** solution for each case:

 For Windows Server 2008 Microsoft officially announced the solution (http://support.microsoft.com/kb/2015129): Run aspnet\_regiis.exe /iru where the aspnet\_regiis.exe file can be found in one of the following locations: %windir%\Microsoft.NET\Framework\v4.0.30319 %windir%\Microsoft.NET\Framework64\v4.0.30319 (on a 64-bit computer)

**Figure** 

- 2. For Windows Server 2012 the command aspnet\_regiis.exe is not supported, instead follow these steps:
  - a. In **IIS manager**, click the computer name node.
  - b. In Features View, double-click Modules.
  - c. Find ServiceModel and remove it:

Connections	0-					Actions
🔍 • 🔛   🖄   😥 	Use this feature to configure the native and man	naged code modules that process requests made t	to the Web server.			Add Managed Module Configure Native Modules
Application Pools     Sites	Group by: No Grouping • Name •	Code	Module Type	Entry Typ	× ^	Edit Lock Remove
a topat diant	CustomErrorModule	%windir%\System32\inetsrv\	Native	Local		View Onland List
TrimbleRivetWeb	DefaultAuthentication	System.Web.Security.Default	Managed	Local		view ordered bists
h	DefaultDocumentModule	%windir%\System32\inetsrv\	Native	Local		Help
P. G. Hannet Hother	DirectoryListingModule	%windir%\System32\inetsrv\	Native	Local		
	FileAuthorization	System.Web.Security.FileAuth	Managed	Local		
	FormsAuthentication	System.Web.Security.FormsA	Managed	Local		
	HttpCacheModule	%windir%\System32\inetsrv\	Native	Local		
	HttpLoggingModule	%windir%\System32\inetsrv\1	Native	Local		
	IsapiFilterModule	%windir%\System32\inetsrv\f	Native	Local		
	IsapiModule	%windir%\System32\inetsrv\i	Native	Local		
	OutputCache	System.Web.Caching.Output	Managed	Local		
	Profile	System.Web.Profile.ProfileMo	Managed	Local		
	ProtocolSupportModule	%windir%\System32\inetsrv\	Native	Local	=	
	RequestFilteringModule	%windir%\System32\inetsrv\	Native	Local		
	RoleManager	System.Web.Security.RoleMa	Managed	Local		
	ScriptModule-4.0	System.Web.Handlers.Script	Managed	Local		
	ServiceModel	System.ServiceModel.Activati	Managed	Local		
	ServiceModel-4.0	System.ServiceModel.Activati	Managed	Local		
	Session	System.Web.SessionState.Sess	Managed	Local		
	StaticCompressionModule	%windir%\System32\inetsrv\	Native	Local		
	StaticFileModule	%windir%\System32\inetsrv\s	Native	Local		
	UrlAuthorization	System.Web.Security.UrlAuth	Managed	Local		
	UrlMappingsModule	System.Web.UrlMappingsMo	Managed	Local	-	
	UrlRoutingModule-4.0	System.Web.Routing.UrlRouti	Managed	Local	~	
	<			>		

Figure 20: Remove ServiceModel from IIS Modules on Windows Server 2012

- d. Go back to the Features View and double-click Handler Mappings.
- e. Find svc-Integrated and remove it:

Contraction     Contracti	Handler Mappi his feature to specify the res up by: State ne effendieffectony/SAPI-4.0. = of-15API-2.0 = integrated -4.0 = integrated -4.0 = iSAPI-4.0_3bit = iSAPI-4.0_3bit etHandlerfectonyApgServi Utbesture integrated -4.0 uityContRisate	NGS ources, such as DLLs a "asps "-sules "rules "rules "rules "rules "-rules" "-rules "-rules" "-rules "-rules" "-rules" "-rules" "-rules" "-rules" "-rules" "-rules" "-rules" "-rules" "-rules" "-rules" "	State Enabled Enabled Enabled Enabled Enabled Enabled Enabled Enabled Enabled Enabled Enabled Enabled	de, that handle respo Path Type Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified	nes for specific request types.  Handler IsapMitodule IsapMitodule System ServiceMedelActiveti System ServiceMedelActiveti IsapMitodule IsapMi	Entry T - Local Local Local Local Local Local Local Local Local	6	Add Managed Handler Add Script Map Add Wildend Script Map Add Michael Script M Add Module Mapping. Edit Rename Lock Rename Lock Rename Lock Rename Lock Rename Lock Rename Lock Rename Lock Mega Help
▲ mitter Ender Auf web Site Particular Media Site Particular Media Site Particular Media Site Particular Media Note Particular M	te eHandleffactory-ISAPI-4.0 s-64-ISAPI-2.0 s-Integrated s-Integrated s-ISAPI-4.0.32bit s-ISAPI-4.0.52bit s-ISAPI-4.0.52bit pH-Andlerf FactoryAppServi pH-Andlerf FactoryAppServi antyCentErgated-4.0 antyCentErgated-4.0	Path ".aspx ".rules ".cer	State Enabled Enabled Enabled Enabled Enabled Enabled Enabled Enabled Enabled Enabled	Path Type Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified	Handler IsapiModule System ServiceModel Activati System ServiceModel Activati IsapiModule IsapiModule IsapiModule System Web Script Services Sc System Web Sarght Services Services	Entry T - Local Local Local Local Local Local Local Local	~	Edit Rename Lock X Remove Edit Feature Permission View Ordered List
Sim Sim Rec Rec Trac Take Take	piersanderraciony-integra- piersanderraciony-integra- piersanderraciony-ISAPI-2. piersanderraciony-ISAPI-2. piersanderraciony-ISAPI-2. piersanderraciony-ISAPI-2. piersanderraciony-ISAPI-2. piersanderraciony-ISAPI-2. piersanderraciony-ISAPI-2. piersanderraciony-ISAPI-2. piersanderraciony-ISAPI-2. piersanderraciony-ISAPI-2. piersanderraciony-ISAPI-2. piersanderraciony-ISAPI-2. piersanderraciony-ISAPI-2. piersanderraciony-ISAPI-2. piersanderraciony-ISAPI-2. piersanderraciony-ISAPI-2. piersanderraciony-2. piersanderraciony-ISAPI-2.	* anhx *	Enabled Enabled Enabled Enabled Enabled Enabled Enabled Enabled Enabled Enabled Enabled Enabled Enabled Enabled Enabled Enabled	Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified	saphrodula System Web U.SimpleHandle System Web U.SimpleHandle IsaphRodule IsaphRodule IsaphRodule IsaphRodule IsaphRodule IsaphRodule System SeviceModelActives System Web Handless TaceHL ProtocoSipportModule Sostem Web Handless TaceHL.	Local Local Local Local Local Local Local Local Local Local Local Local	H	

Figure 21: Browse to the ISAPI Restrictions of your Web Server in IIS

f. Restart IIS and the problem will be resolved.

#### 6 Further Reading

#### 6.1 Trimble 4D Control Web

How to use Trimble 4D Control Web: http://help.web.t4d.trimble.com/version5.0/web

#### 6.2 Trimble 4D Control Server

How to install Trimble 4D Control Server: http://setup-guide.web.t4d.trimble.com/version5.0/server

How to use Trimble 4D Control Server: http://help.web.t4d.trimble.com/version5.0/server

#### 7 Legal Notice

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#### **Release notice**

This is the July 2019 release of the Trimble<sup>®</sup> 4D Control Web Installation Guide.

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For applicable product warranty information, please refer to the Warranty Card included with this Trimble product, or consult your Trimble dealer.