

Document Information

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1. Scope

2.

The ADISRA SmartView Web Guide details the steps to publish an application to the web. It will also explain how to change the port number, some possible errors the user might face and how to solve them

Summary

Web server is a software that accepts client requests to deliver a web page. A web server must be configured in order for ADISRA SmartView to display an application on the web. It can be any web server, but in this document we will use Microsoft Windows solution called Internet Information Services (IIS).

3. Installing Internet Information Services (IIS)

To install the IIS, follow the steps below:

Open the Control Panel and click on "Programs":



Programs Uninstall a program Get programs

Click on "Turn Windows features on or off":



Programs and Features

Uninstall a program **Turn Windows features on or off** View installed updates Run programs made for previous versions of Windows How to install a program

Enable the option "Internet Information Services" and click "OK":



To confirm the IIS was installed correctly, type "localhost" in the browser's address bar and press enter; if the IIS was installed correctly this page will be displayed:





If the IIS was <u>not</u> installed correctly, this page will be displayed:

4. Configure Web Folder

Follow the steps below to configure the folder where the HTML files will be saved:

In the ADISRA SmartView settings ribbon, go to "Web" and select the "Default Web Folder" button, please make a note of the path because we will use it later.



It is possible to change this path if another folder is preferred. To select another folder, click the "..." button located on the left side within the WebPath box. Choose the folder where the HTML files are to be saved.

The "Web" folder can also be created inside the IIS web server folder. In our example, we will save the web files directly to the IIS wwwroot folder. Please select the wwwroot path as shown in the image below and create the following folder structure (i.e.

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	Browse For Folder	×	
		<pre></pre>	
		-	-

WebProject\Web). "C:\inetpub\wwwroot\WebProject\Web". If doing so, please skip the third chapter:

4.1. Generate HTML files

To generate the HTML files, right click the Graphics node in the ADISRA SmartView Navigation tree and left click the "Save HTML" option.



Other methods can be used, as shown below, to generate the HTML files:

<u>Method 2</u> - Generate HTML files for all opened Graphics Documents.

It is important to understand that if the startup graphic ("Settings" - > "Graphics" -> "Startup Graphic") is not opened, it will not generate the index [or HTML] file:

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	3	Graphics		
Open	Recent Projects	🗀 Tab 🛛 🚳 🖉 📜		ĦĦ
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Exit	A		Window Location	(0,0)
Alarm History	· · · · · · · · · · · · · · · · · · ·		Window Size	(1024,768)
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System Functions	; Libra		Start Maximized	False
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<	Runtime Log Engineering Log Build Output			
				-

<u>Method 3</u> - Generate HTML file for a specific Graphic Document:

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5. Configuring the Web Project Folder

Follow the steps below to Configure the Web Project folder:

Using the file explorer, go to the project folder and copy the "Web" folder, then go to "C:\inetpub\wwwroot" and create a new folder called "WebProject". Inside the "WebProject" folder, paste the "Web" folder.







6. Configuring IIS and the Web Project

🖅 Rur	×
	Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.
<u>O</u> pen:	inetmgr ~
1	

On the IIS Manager, make sure the service is started by selecting "Default Web Site" and check if it has started, if not, click the start button:

Press "Windows+R", type "inetmgr", and press OK to open the IIS:

Internet Information Services (IIS) Manager	- 🗆 X
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💐 Internet Information Services (IIS) Manager \times 😰 🖂 🏠 🔞 🗸 4 PC-DEV-01 ► Sites ► Default Web Site ► WebProject ► File View <u>H</u>elp Connections Actions WebProject Home 3 ۶ Open Feature 🖣 PC-DEV-01 (PHISYSTEMS\dar v . • 🦻 <u>G</u>o 🕞 😽 Show <u>A</u>ll 칠 Explore Filter: Open the selected 🛯 🗿 Application Pools Edit Permiss Sites IIS ⊾2 Manage Folder 😜 Default Web Site Į Ø II) ✓ · C WebProject 1 Browse Folder Default Directory Authentic... Compression Web Browse *:80 (http) Document Browsing Help 404 Handler Error Pages нттр Logging Respon.. Mappings 8 **, 1** MIME Types Output Modules Request Caching Filtering 9 📰 Features View ि Content View < Ready •

On the IIS Manager, select the created WebProject folder, then select "Directory Browsing", and click on "Open Feature":

Internet Information Services (IIS)	Manager		- □ <mark>2</mark> ×
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<u>F</u> ile <u>V</u> iew <u>H</u> elp			
Connections Connec	 Directory Browsing Use this feature to specify the information that displays in a directory listing. Time Size Extension Date Long date 	1	Alerts Directory browsing has been disabled. Actions Apply Cancel Enable Help
Configuration: 'Default Web Site/WebP	Project' web.config		•

Enable the feature and close the IIS:

In the browser type the address "localhost/WebProject/Web":

If the project has a startup graphic configured, it will be the index page and will open as shown in the image below:



If the project does not have a startup graphic configured, it will open the directory in order for a file to be chosen and opened, as shown in the image below. We will open Graphics1.html in this example:



The runtime must be executing in order for the web pages to run, the runtime must be executing, otherwise it will appear like this:



Note: A page can also be accessed by typing the complete URL: "http://localhost/WebProject/Web/Graphics1.html"

The web counts as client/viewer. If the application has reached its clients limit when trying to access the web page from another machine, the page shown in the image below will appear:



7. Change Default Port

Follow the steps below to change the default port:

Press "Windows+R", type "inetmgr", and press OK to open the IIS. Select "Default Web Site" and click on "Bindings...":



Select the item to edit and click the "Edit..." button:

ite Bindi	ngs					?	
Туре	Host Name	Port	IP Address	Binding Informa		<u>A</u> dd	
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	Type http 1	Type Host Name http 1	te Bindings Type Host Name Port http 80	Type Host Name Port IP Address http 80 * 1	te Bindings Type Host Name Port IP Address Binding Informa http 80 * 1	Type Host Name Port IP Address Binding Informa http 80 * 2 1	Type Host Name Port IP Address Binding Informa http 80 * 2 Edit 1 Edit Remove Browse Browse

Phone: 1-833-5ADISRA (1-833-523-4772)

Edit Site Binding	? ×
Iype: IP address: Port http All Unassigned 0 Host name: Example: www.contoso.com or marketing.contoso.com	1
	Cancel
Restart the Default Web Site on the IIS:	
📬 Internet Information Services (IIS) Manager	— 🗆
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← → ← PC-DEV-01 → Sites → Default Web Site → File View Help	2 10
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 ✓ PC-DEV-01 > Sites > Default Web Site > File View Help Connections ✓ PC-DEV-01 (PHISYSTEMS) ✓ Application Pools ✓ Sites > Default Web Site Filter: ✓ Default Web Site Filter: ✓ Default Web Site 	Actions Explore Edit Permissions Edit Site Bindings Basic Settings View Applications View Virtual Directories Manage Website Restart Start Start Stop Browse Website Browse Website Browse Website Configure

Type the new port to be used and press OK:

In ADISRA SmartView settings ribbon, go to "Web" and type in the new port. The change will take effect when starting the next the RunTime:

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Runtime Log Engineering Log Build Output	
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7.1. Check Ports Being Used

Press "Windows+R", type "cmd", and press OK to open the Command Prompt:

🖅 Run	×
٨	Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.
<u>O</u> pen:	cmd ~
	OK Cancel <u>B</u> rowse

In the Command Prompt, type "netstat -an" in order to see the ports that are being used:

Comm	nand Prompt	_		×				
C:\>nets	tat -an				Â			
Active Connections								
Proto	Local Address	Foreign Address	State					
TCP	0.0.0.0:80	0.0.0.0:0	LISTENING					
TCP	0.0.0.0:135	0.0.0.0:0	LISTENING					
TCP	0.0.0.0:443	0.0.0.0:0	LISTENING					
TCP	0.0.0.0:445	0.0.0.0:0	LISTENING					
TCP	0.0.0.0:3389	0.0.0.0:0	LISTENING					
TCP	0.0.0.0:4840	0.0.0:0	LISTENING					
TCP	0.0.0.0:5040	0.0.0:0	LISTENING					
TCP	0.0.0.0:5432	0.0.0:0	LISTENING					
TCP	0.0.0.0:7680	0.0.0.0:0	LISTENING					
TCP	0.0.0.0:48400	0.0.0:0	LISTENING					
TCP	0.0.0.0:48401	0.0.0:0	LISTENING					
TCP	0.0.0.0:49664	0.0.0:0	LISTENING					
TCP	0.0.0.0:49665	0.0.0:0	LISTENING					
TCP	0.0.0.0:49666	0.0.0.0:0	LISTENING					

8. Possible Errors

In this section, we will show how to resolve some errors that may occur:

8.1. Runtime Not Started:

When trying to access the web page, the message shown in the image below appears:



To resolve this error, restart the project's Runtime.

8.2. Port Already Being Used:

When trying to start the web server, a message appears stating the configured port is already in use, or in the case of IIS, the message shown below appears:



". Instead of "port number", type the configured port to be checked. If the port is being used; the result will display as shown in the example below:



The number in the last column, in this example, "25360" is the process ID. In order to find which process this ID belongs to, open the task manager. In the "Details" tab, search for the ID number under the "PID" column, as shown in the example below:

	🙀 Task M	anager							_		×	
	<u>File Options View</u>											
	Processes Performance		App history Startup Users		Details	Services						
	Name		PID	Sta	tus	-		CPU	Mem	ory (a		^
-	📧 dwm.exe		24264	Ru	nning			00		2.472 K		
	📧 tv_xб4.exе		24792	Ru	nning			00		464 K		
	📀 chrome.exe		25184	Ru	nning			00		5.160 K		
	📧 svchost.exe		25208	Ru	nning			00		948 K		
	🙈 SearchProtocolHost		25292	Ru	nning			00		1.272 K		
	📓 notepad++.exe		25324	Ru	nning			00		2.448 K		
and a second	📏 httpd.exe		25360	Ru	nning			00		6.820 K		
	Chrome.exe		25468	Ru	nning			00	2	8.816 K		~
	Fewer	<u>d</u> etails								<u>E</u> nd f	task	

Either end the task that is using the port or configure a new port number.