#### Summary

This article provides information about steps to perform HTTP to HTTPS redirection for MachPanel Web Portal.

#### **Applies To**

Applies to MachPanel v6 and onward.

#### Steps to perform

#### DOWNLOAD AND INSTALL

Download **"URL Rewrite"** from https://www.iis.net/downloads/microsoft/url-rewrite by clicking "Install this extension":



You will be asked to "Save File"



Double Click the file after downloading it:

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File Home Share V	iew			
$\leftarrow \rightarrow \cdot \cdot \uparrow \downarrow \bullet$ This PC	> Local Disk (C:) > Users > Administrator > Downloads >			
1 Quistances	Name	Date modified	Туре	Size
Quick access	📧 urlrewrite2	11/30/2021 8:35 AM	Application	124 KB

Hit "Run" if you get a security prompt:



Initialization will start:

Microsoft Web Platform Installer 5.1
Please wait while Windows configures Microsoft Web Platform Installer
Cancel

## Hit Install button:

Web Platform Installer 5.1	– 🗆 X
😋 URL Rewrite 2.1	
N/A	URL Rewrite 2.1 for IIS 7 extends its foundation of rule-based URL rewriting with new support for outbound rewrite rules and with new capability to set HTTP request headers and IIS server variables. This new set of features provides administrators with complete control over the URL structure used by existing or legacy web applications that cannot be modified to natively support user and search engine friendly URLs.
	Publisher: Microsoft
	Download Size: 5.80 MB
	Version: 2.1
	Release date: Friday, June 16, 2017
1 Items to be installed	Options Install Exit

Accept the terms:

 web Platform Installer 5.1				×
PREREQUISITES	INSTALL	CONFIGURE	FINISH	d rewrite ru ides hat cannot
Review the following list of thi software identified below to be products are provided by the t responsible for and must separ	rd party application software, Sinstalled and Windows com hird parties listed here. Micro rately locate, read and accept	Microsoft products and components ponents to be turned on. Third party soft grants you no rights for third par these third party license terms.	;, and any additional applications and ty software. You are	
X URL Rewrite 2.1 <u>View license terms</u> Total file download size:			Direct Download Link 5.8 MB	
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## Installation begins:

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			Cancel	

Hit Finish when done and exit installer:

Web Platform     URL R	ewrite 2.1				– 🗆 X
-	Web Platform Installer 5.1			>	<
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1 <u>Items to b</u>	e installed		Options	Install	Exit



### • CONFIGURATION AND TEST

Open / Re-Open IIS Manager to see URL Rewrite module under IIS section:



Click on **"MachPanel Control Server"** website under **Sites** and double click **"URL Rewrite"**:



Hit "Add Rule (s)":

💐 Internet Information Services (IIS) Manager					- 0	×
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File View Help						
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→ Application Pools ✓ - 🐻 Sites	Inbound rules that are a	applied to the requested	URL address:		View Server Variables	5
> 😔 ADFS Login App > 🌀 Default Web Site > 💽 MachPanel Control Server > 💊 RESTAPI	Name	Input		Match	Manage Providers View Rewrite Maps View Providers	~
_	<			>	Inbound Rules	٢
	Outbound rules that an Name	e applied to the headers	or the content of a Match	n HTTP response: Pattern	Outbound Rules View Preconditions View Custom Tags	۲
	<     Features View P Co	ontent View		>	Help	
Configuration: 'MachPanel Control Server' web.config						•

Select **Blank rule** in the **Inbound rules** section, then click the **OK** button.

Internet Information Servic	tes (IIS) Manager		×
← → ● MP1-ES	Add Rule(s) ? X	🖸 🖾 ն 🕻	•
<ul> <li>MP1-ESS</li> <li>File View Help</li> <li>Connections</li> <li>Start Page</li> <li>MP1-ESS2019 (MP1-ESS</li> <li>Application Pools</li> <li>Stes</li> <li>So Default Web Site</li> <li>So MachPanel Con</li> <li>RESTAPI</li> </ul>	Add Rule(s) ? × Select a rule template:	Add Rule(s) Revert to Parent Manage Server Variables Tiew Server Variables Manage Providers Tiew Rewrite Maps Tiew Providers und Rules Cound Rules Cound Rules Cound Rules Ciew Preconditions, Tiew Custom Taas	<ul> <li>•</li> <li>•&lt;</li></ul>
	Select this template to create a new inbound rule without any preset values. This template opens the "Edit Rule" page that you can use to define a new rewrite rule for changing the requested URL address.	Help	
Configuration: 'MachPanel Co	ntrol Server' web.config		

Give your redirect an easy-to-remember name.

In the Matched URL section:

- o Set **Requested URL**: to Matches the Pattern.
- o Set **Using** to Regular Expressions.
- o Enter (.\*) as the **Pattern**.
- o Check Ignore case.

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Match URL		۲
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Pattern:		
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Conditions Logical grouping: Match All ~		

Scroll down to **Conditions** and expand the section if necessary. Select Match All for **Logical grouping**, then click the **Add**... button.

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			Edit
			Remove
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A dialog box will open:

- Type {HTTPS} in the **Condition input** field.
- Set **Check if input string** to Matches the Pattern.
- Type ^OFF\$ in the Pattern field.
- Check **Ignore case**.
- Click the **OK** button.

Add Condition	? ×	
Condition input: {HTTPS}		]
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5 OK	Cancel	]

You should now see your condition in the list.

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Scroll down to the **Action** section and enter these settings:

- Select Redirect as the **Action type**.
- Type https://{HTTP\_HOST}/{REQUEST\_URI} in the **Rewrite URL** field.
- Uncheck Append query string.
- Set **Redirect type** to Permanent (301).

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Click **Apply** in the right-hand **Actions** menu.

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62.	🗧 🥌 Edit Inbound Rule	9		Apply
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You can now check your redirect in a web browser.

#### TROUBLESHOOT

If there are any problems, you can check the site's **web.config** file to make sure it contains the correct information.

In IIS Manager, right-click your site and choose **Explore** from the menu.



Edit **web.config** or open it in a text editor.


Verify that **web.config** contains the following text. If necessary you can create and/or modify this file:



**Note**: above details should fall just above in the web.config:

</system.webServer>

MachPanel Knowledgebase <a href="https://kb.machsol.com/Knowledgebase/55666/URL-Rewrite-HTTP-to-HTTPS-redire...">https://kb.machsol.com/Knowledgebase/55666/URL-Rewrite-HTTP-to-HTTPS-redire...</a>