

# URL Rewrite - HTTP to HTTPS redirection for MachPanel Web Portal

## Summary

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

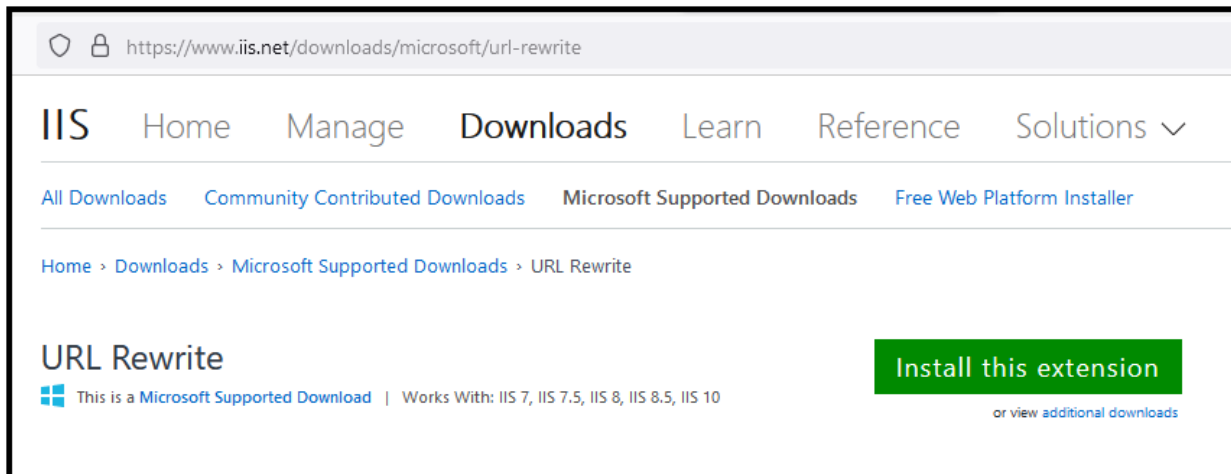
## Applies To

Applies to MachPanel v6 and onward.

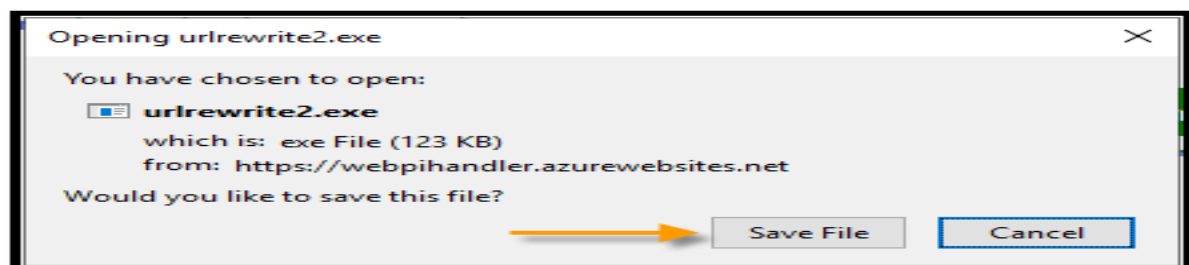
## Steps to perform

- **DOWNLOAD AND INSTALL**

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

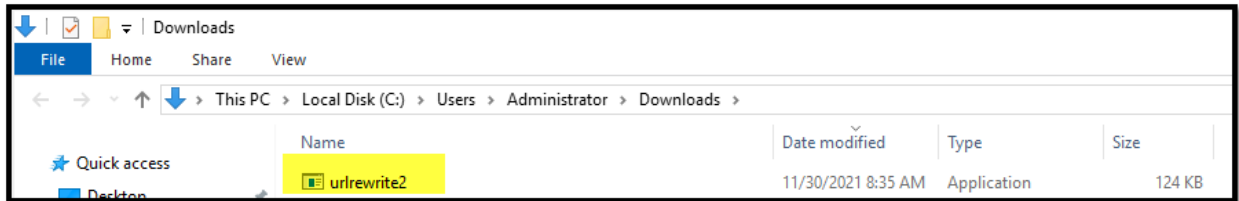


You will be asked to “Save File”

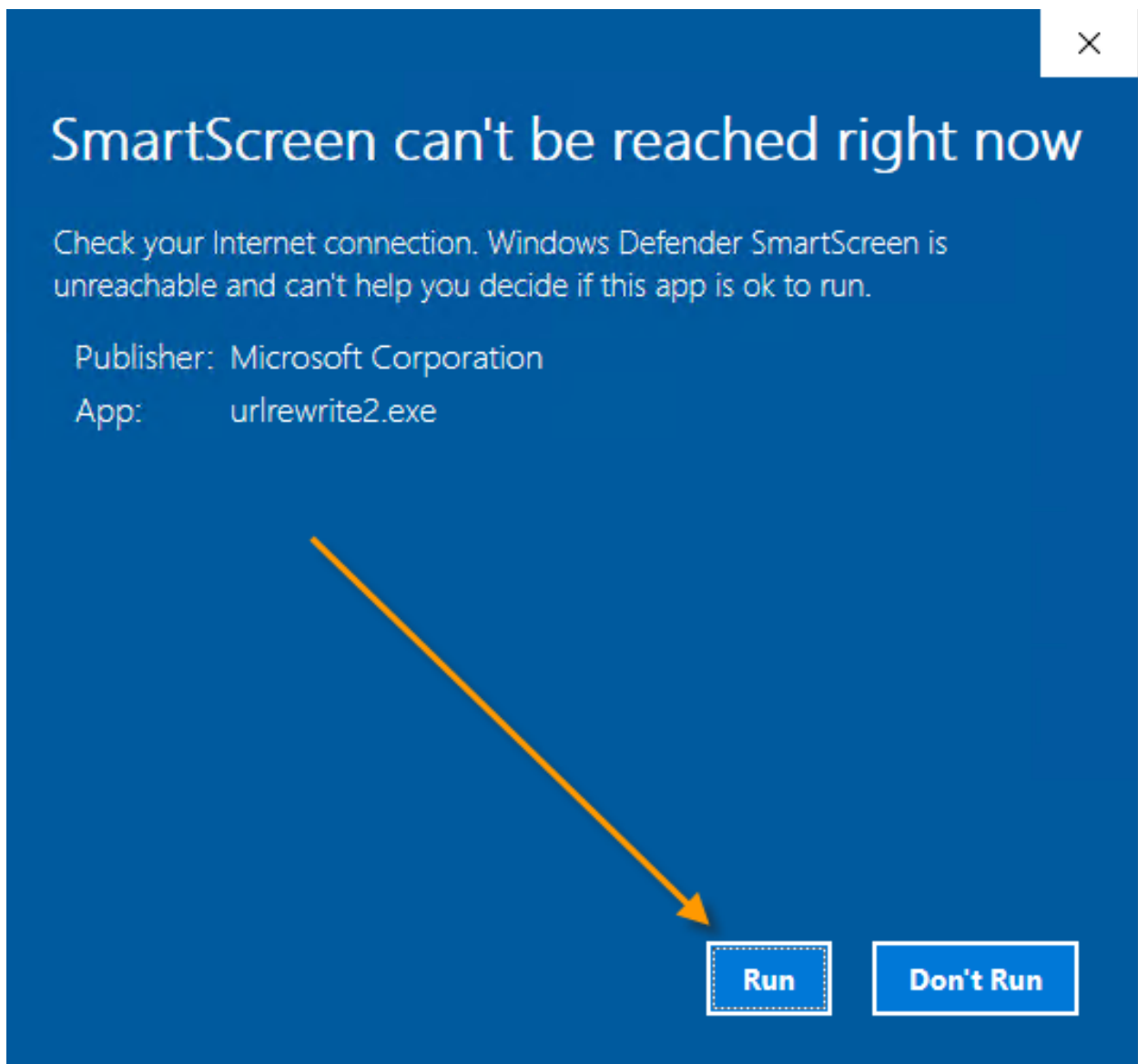


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Double Click the file after downloading it:

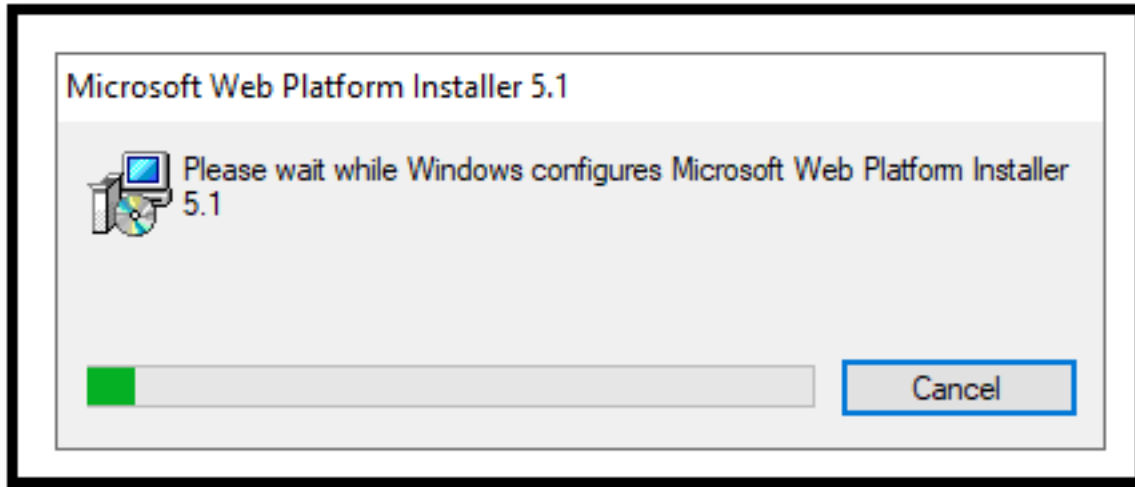


Hit "Run" if you get a security prompt:

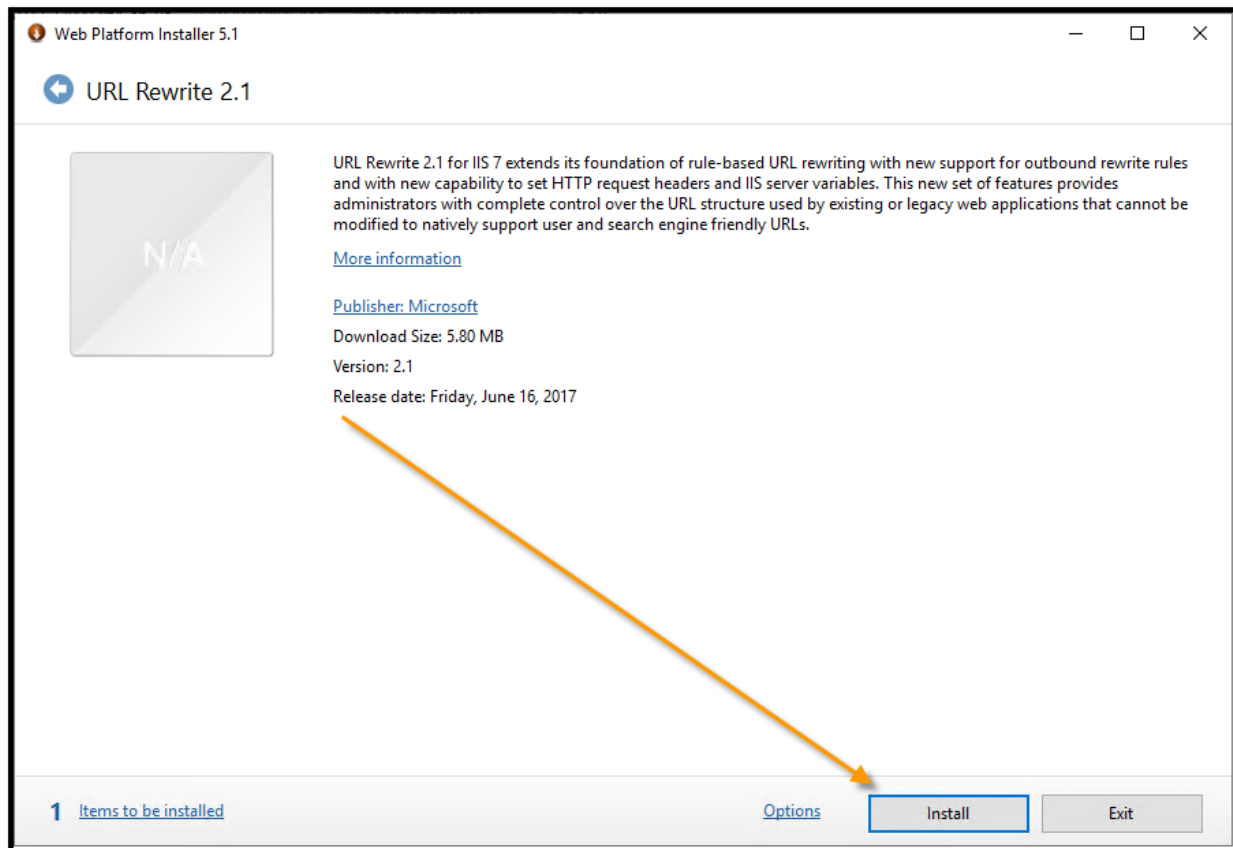


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Initialization will start:

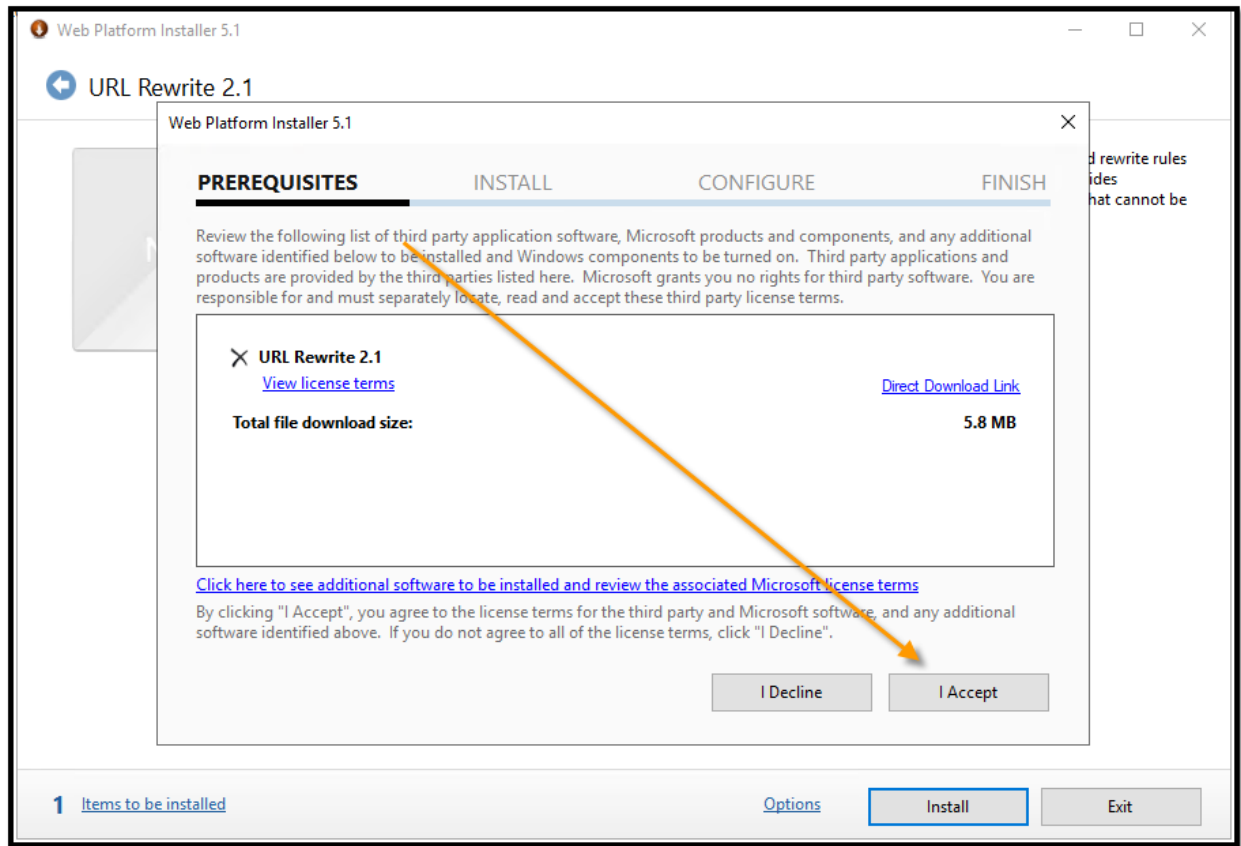


Hit Install button:

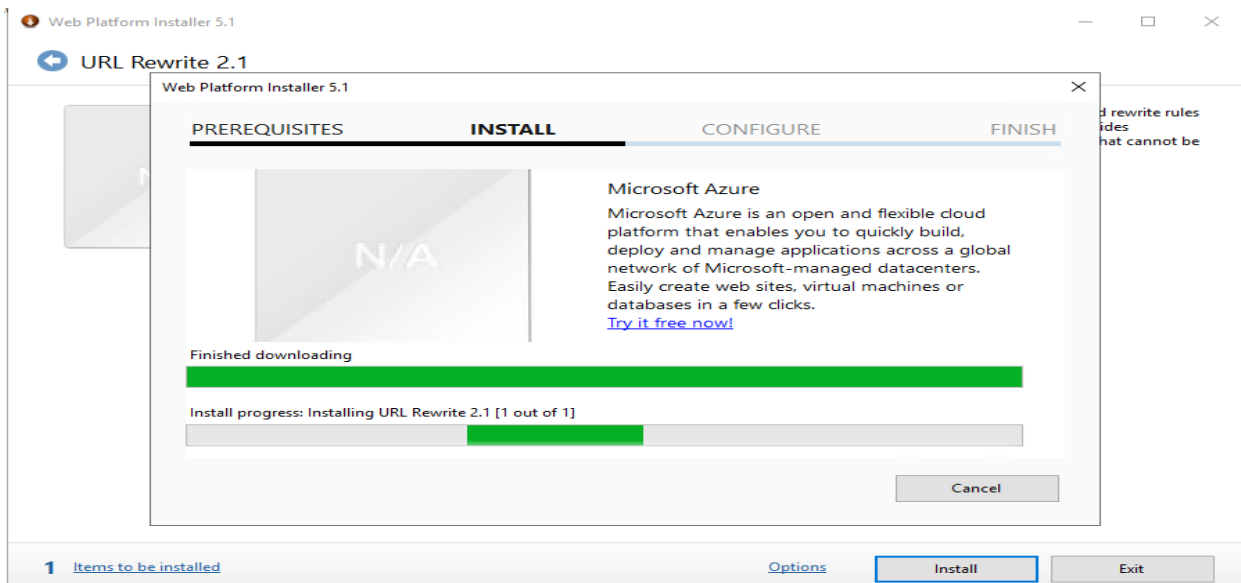


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Accept the terms:

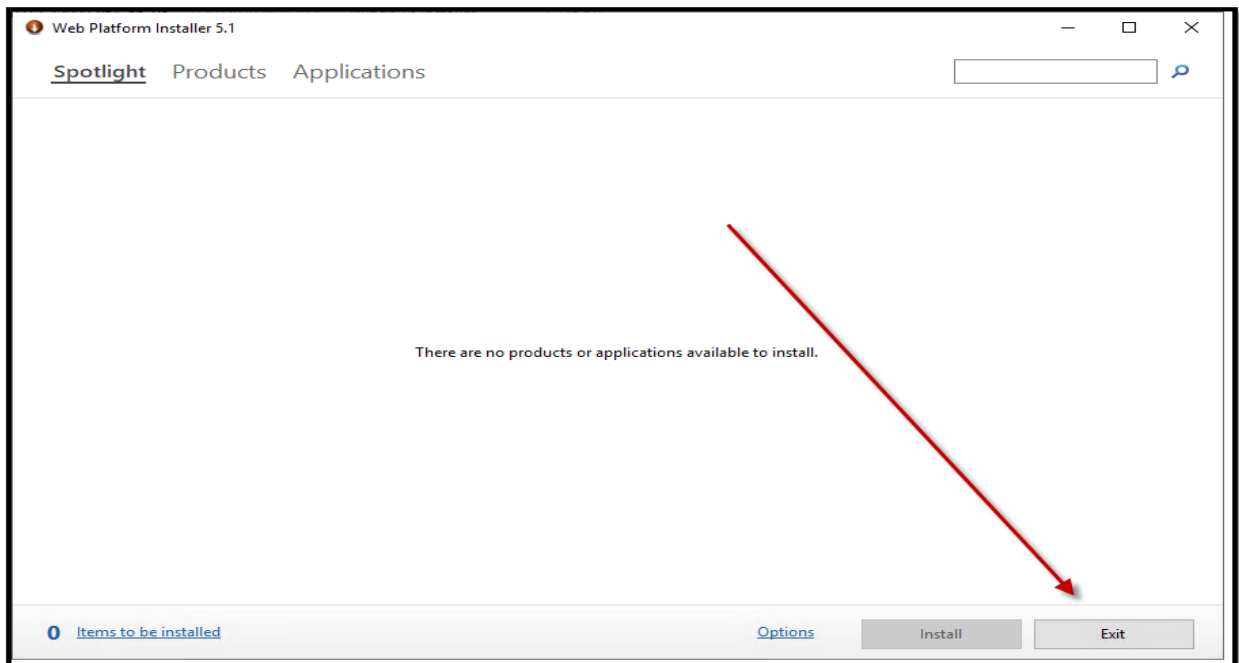
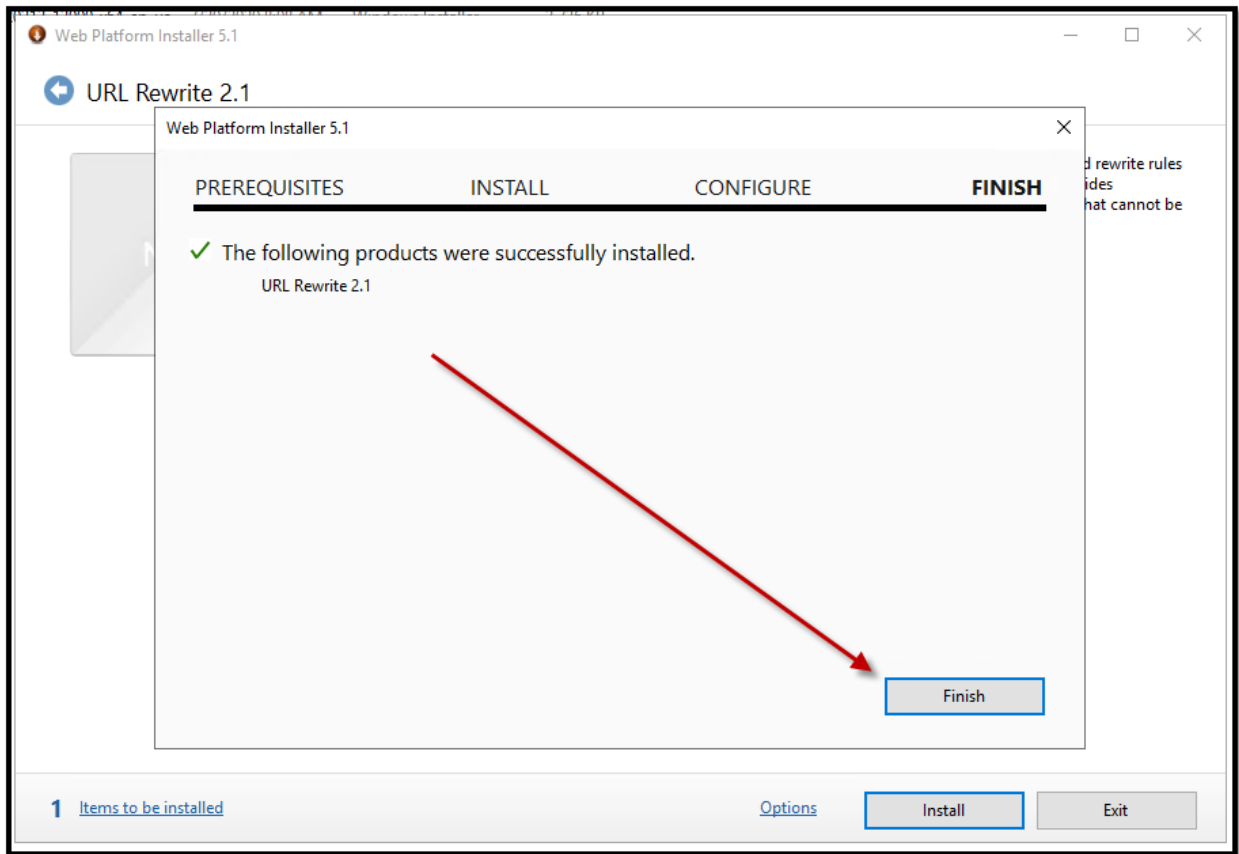


Installation begins:



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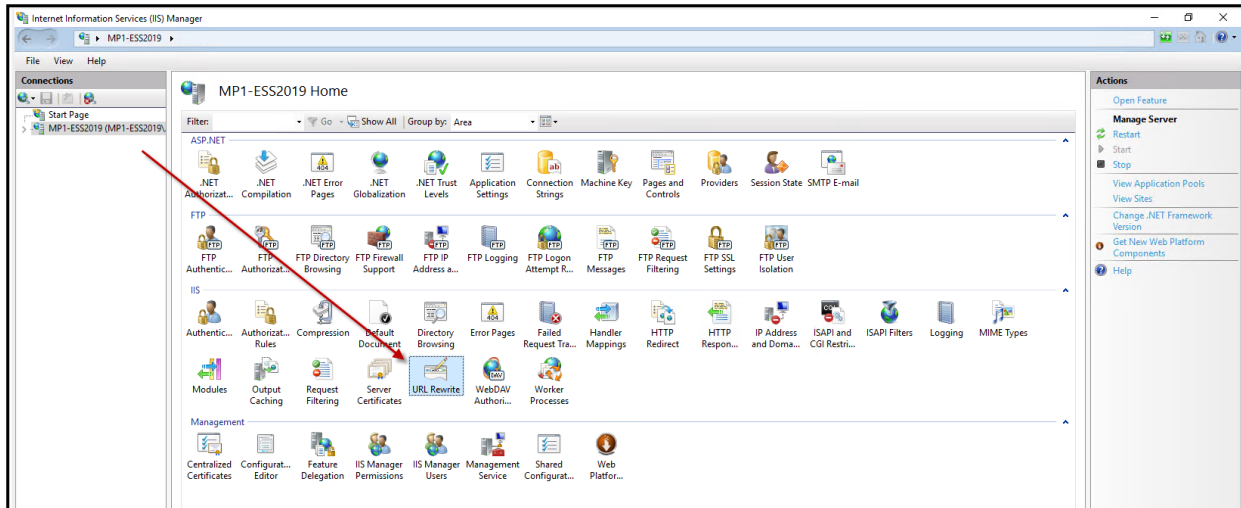
Hit Finish when done and exit installer:



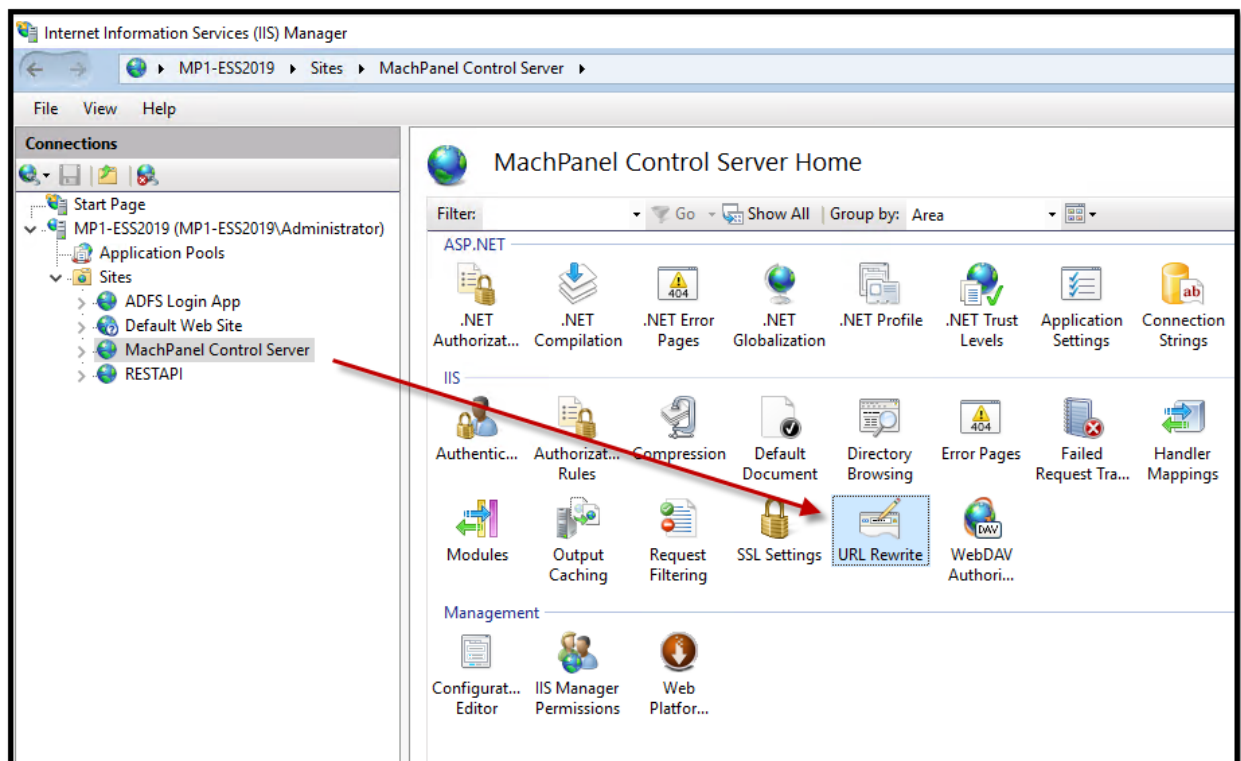
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- **CONFIGURATION AND TEST**

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

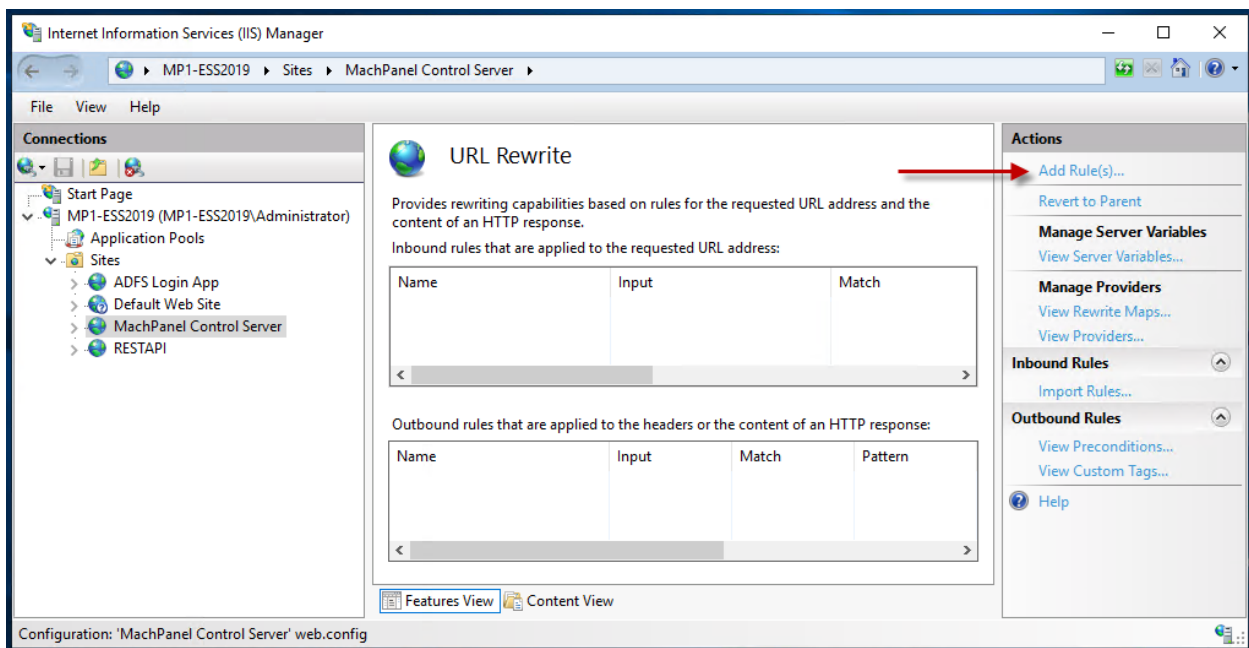


Click on **"MachPanel Control Server"** website under **Sites** and double click **"URL Rewrite"**:

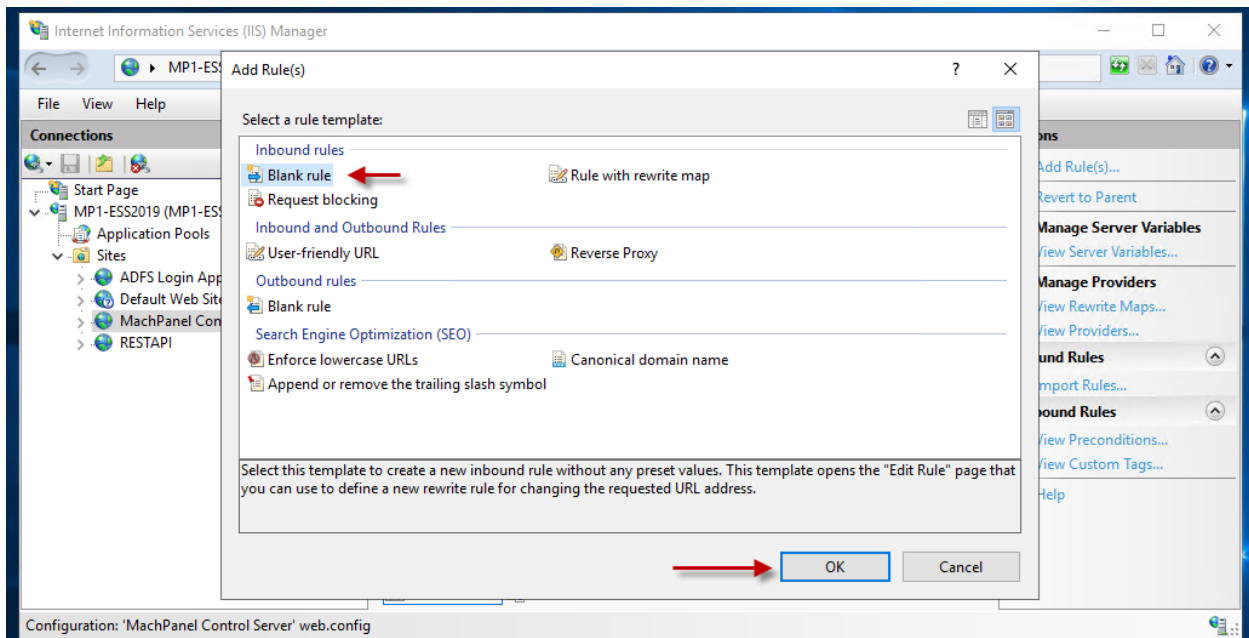


# URL Rewrite - HTTP to HTTPS redirection for MachPanel Web Portal

Hit "Add Rule (s)":



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



Give your redirect an easy-to-remember name.

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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**.

**Edit Inbound Rule**

Name: HTTPS Redirect

Match URL

Requested URL: **1** Matches the Pattern

Using: **2** Regular Expressions

Pattern: **3** (.\*) **Test pattern...**

**4**  Ignore case

Conditions

Logical grouping: Match All

Features View Content View

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

**Edit Inbound Rule**

Ignore case

Conditions

Logical grouping: Match All

Input	Type	Pattern
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**Add...**

Edit...

Remove

Move Up

Move Down

Track capture groups across conditions

Features View Content View



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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.

The screenshot shows the 'Add Condition' dialog box with the following fields and controls:

- Condition input:** A text box containing '{HTTPS}' with a red box and the number 1 next to it.
- Check if input string:** A dropdown menu showing 'Matches the Pattern' with a red box and the number 2 next to it.
- Pattern:** A text box containing '^OFF\$' with a red box and the number 3 next to it. To its right is a 'Test pattern...' button.
- Ignore case:** A checked checkbox with a red box and the number 4 next to it.
- OK button:** A button with a red box and the number 5 next to it.
- Cancel button:** A button to the right of the OK button.

You should now see your condition in the list.

The screenshot shows the 'Edit Inbound Rule' dialog box with the following elements:

- Ignore case:** A checked checkbox.
- Conditions:** A section with a 'Logical grouping:' dropdown set to 'Match All'.
- Table:** A table with the following data:

Input	Type	Pattern
{HTTPS}	Matches the Pattern	^OFF\$
- Buttons:** 'Add...', 'Edit...', 'Remove', 'Move Up', and 'Move Down' buttons are located to the right of the table.
- Track capture groups across conditions:** An unchecked checkbox at the bottom left.

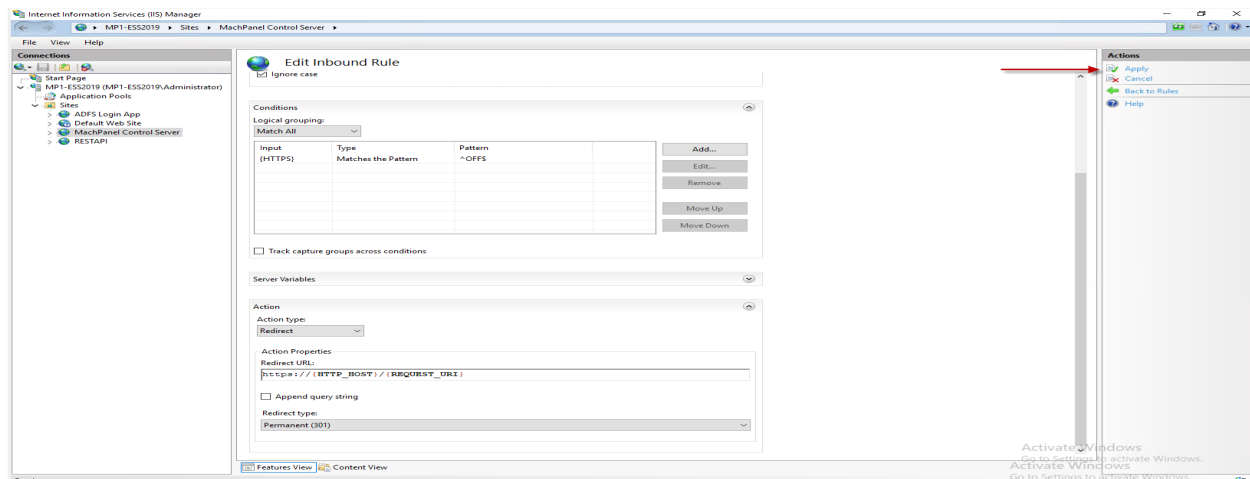
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Scroll down to the **Action** section and enter these settings:

- 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).



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



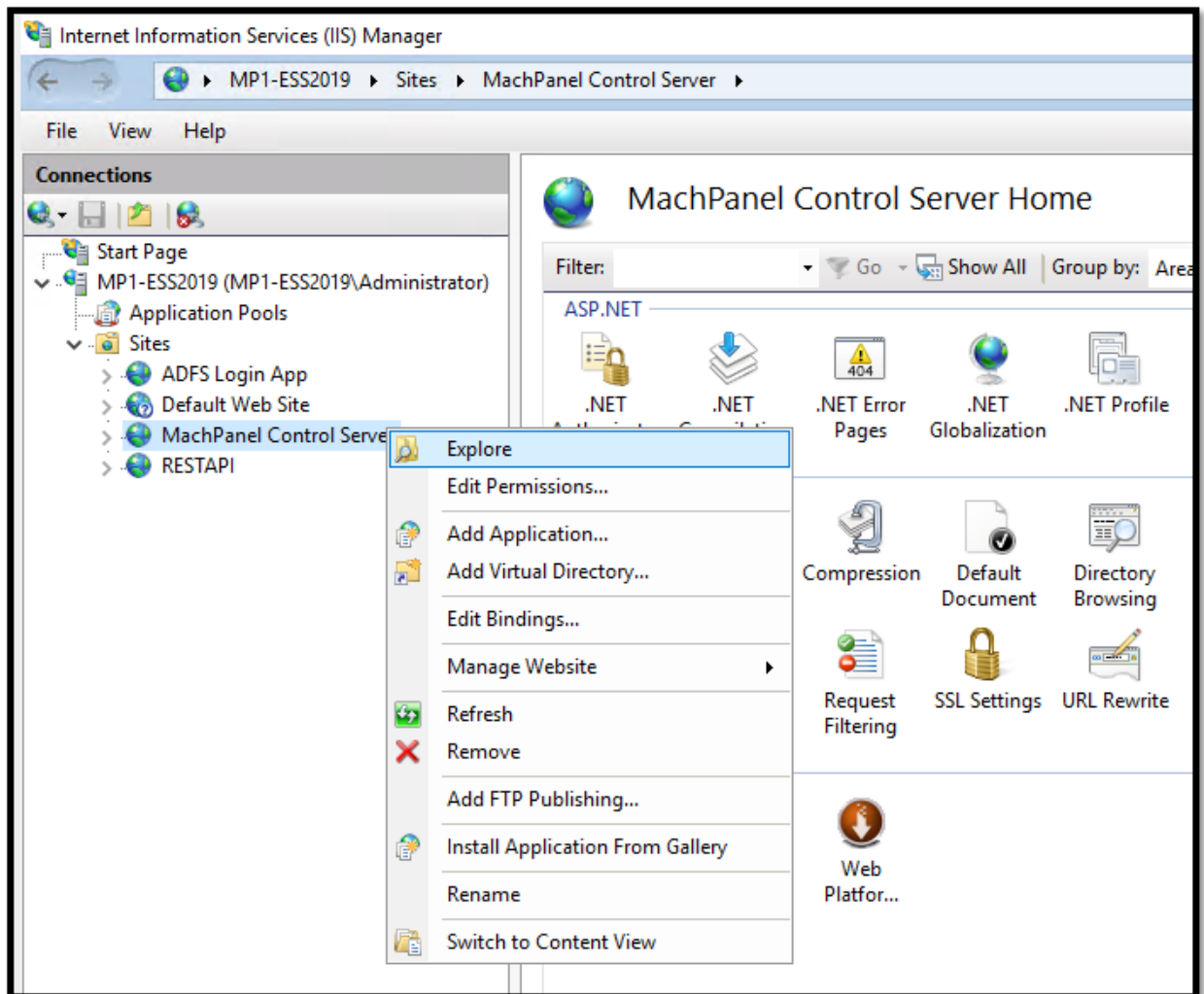
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You can now check your redirect in a web browser.

- **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.



## URL Rewrite - HTTP to HTTPS redirection for MachPanel Web Portal

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

```
<rewrite>
  <rules>
    <rule name="HTTPS Redirect" stopProcessing="true">
      <match url="(.*)" />
      <conditions>
        <add input="{HTTPS}" pattern="^OFF$" />
      </conditions>
      <action type="Redirect"
url="https://{HTTP_HOST}/{REQUEST_URI}" appendQueryString="false" />
    </rule>
  </rules>
</rewrite>
```

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

```
</system.webServer>
```

MachPanel Knowledgebase

<https://kb.machsol.com/Knowledgebase/55666/URL-Rewrite-HTTP-to-HTTPS-redire...>