



erwin Data Intelligence - DQLabs

User Guide - SSL Certificate for Windows IIS

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Purpose

The purpose of this document is to serve as a user guide for importing SSL certificates in Windows 10/11.

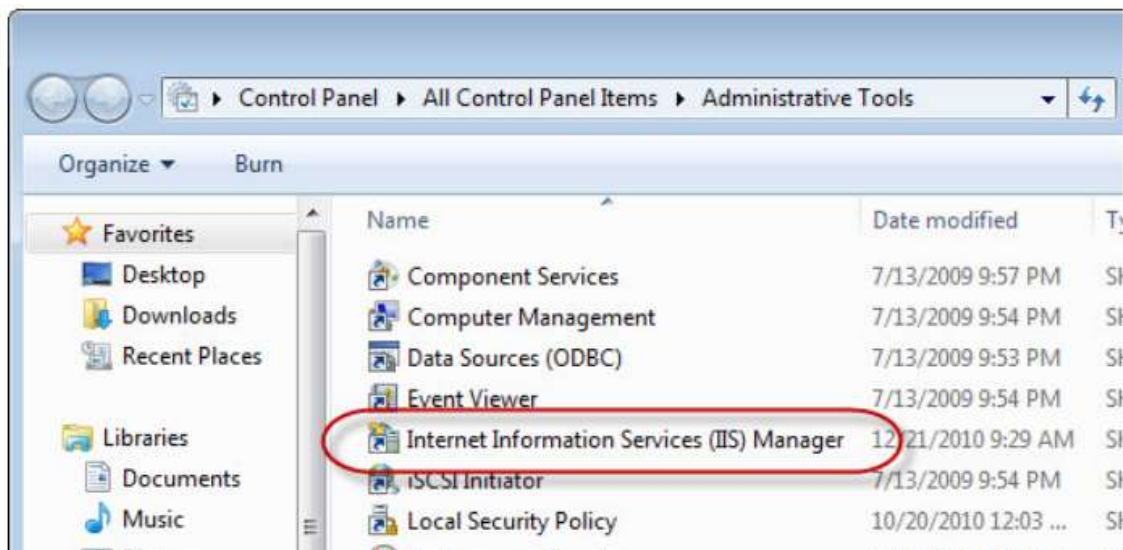
Prerequisites

- Windows IIS
- SSL Certificate (.pfx)
- ad certificate (pfx)
- DNS must be available and must be pointed to the server public IP address.

Installation Steps

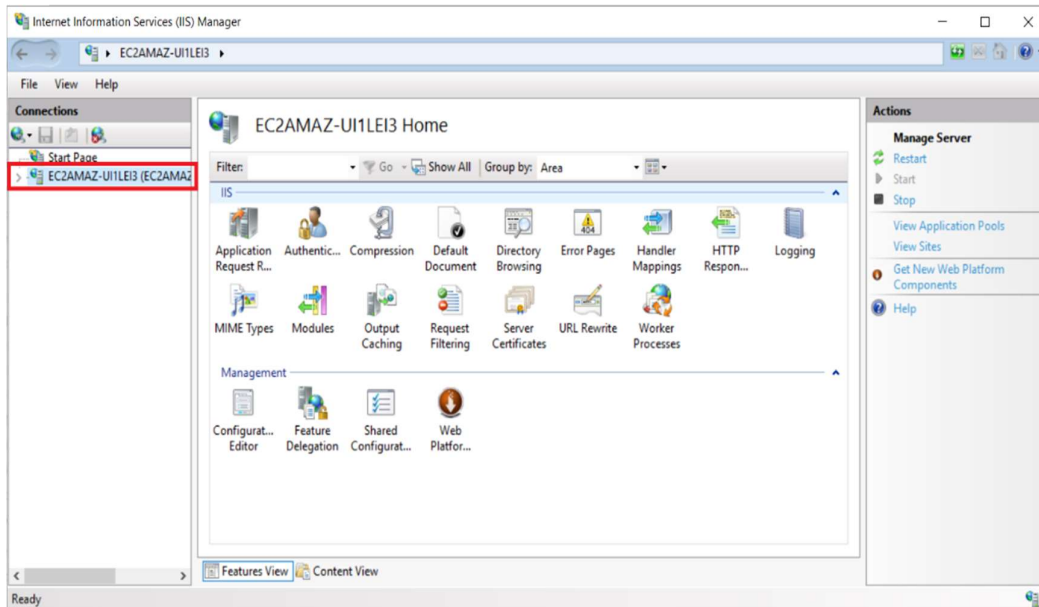
Open IIS Manager

- On the Start screen, click the Control Panel.
- Click System and Security, and then click Administrative Tools.
- In the Administrative Tools window, double-click Internet Information Services (IIS) Manager

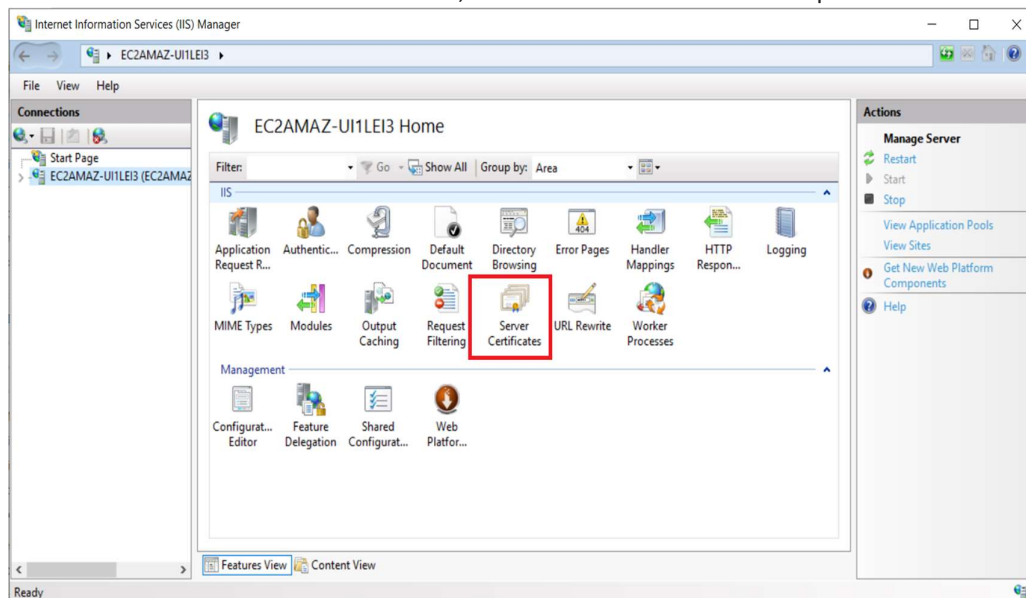


Importing

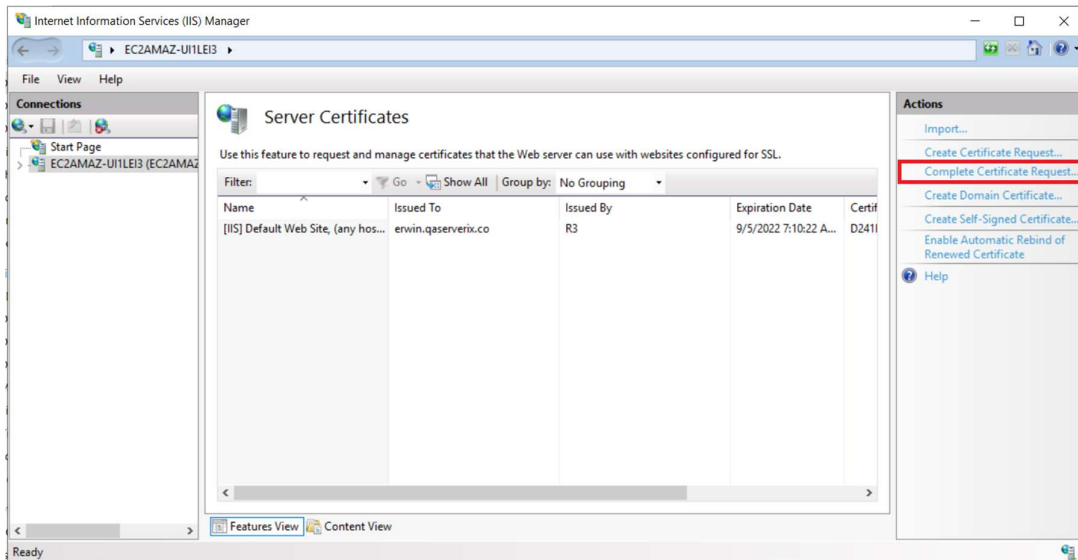
- Select the server in the **Connections** pane, on the left side of the window.



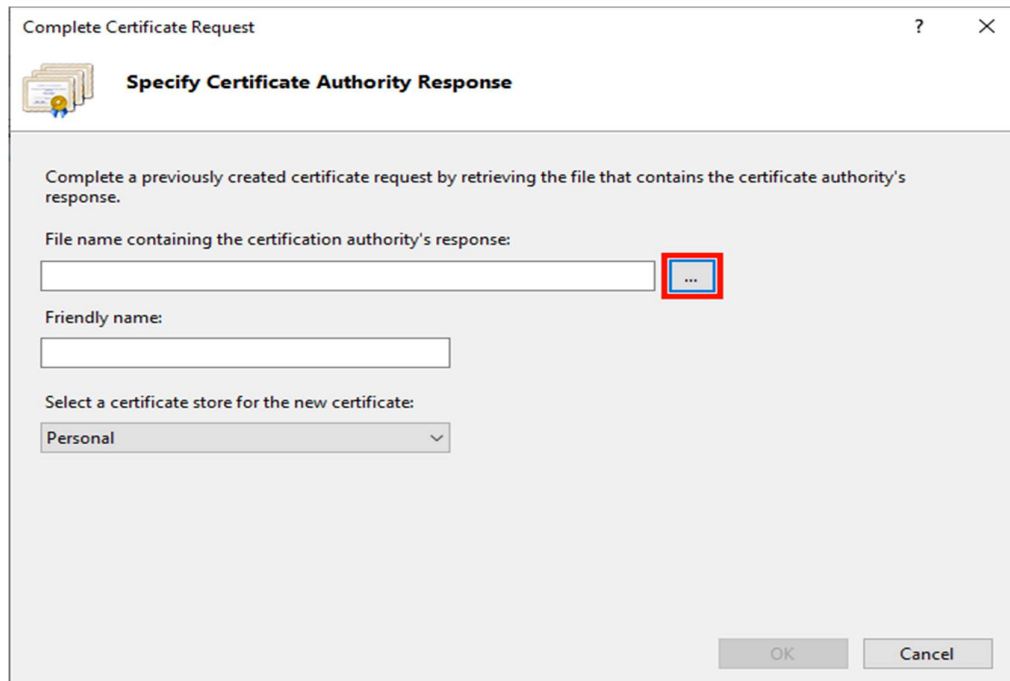
- Double-click the **Server Certificates** icon, located under IIS in the centre pane of the window.



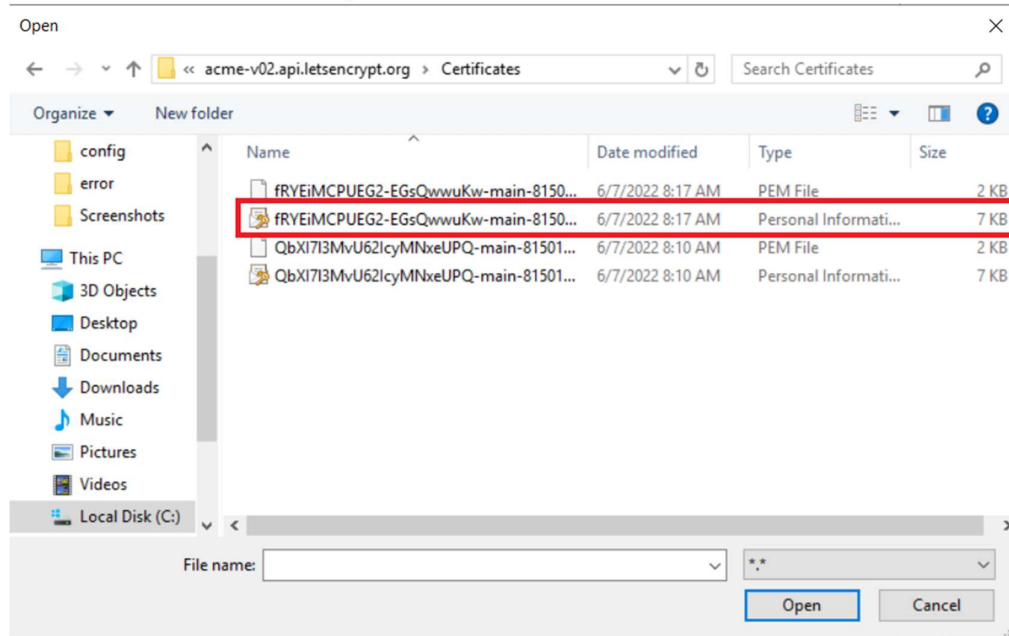
- Click **Complete Certificate Request.** in the Actions pane, on the right side of the window.



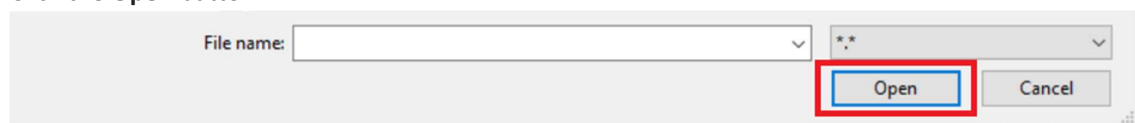
- The **Complete Certificate Request** wizard will appear. First, click the button labelled “...” to open the file open dialog box.



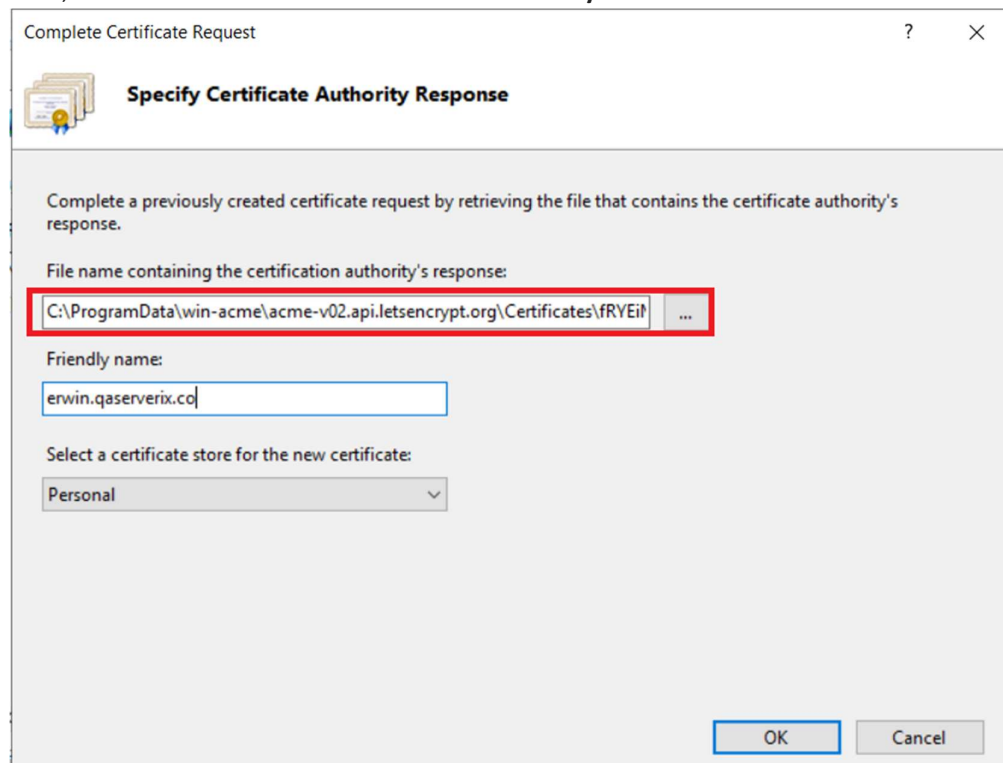
- Select the .pfx(SSL Certificate) file you downloaded from SSL.com.



- Click the **Open** button.



- Next, enter a name for the certificate in the **Friendly name** field.



- Click the **OK** button.

Complete Certificate Request

Specify Certificate Authority Response

Complete a previously created certificate request by retrieving the file that contains the certificate authority's response.

File name containing the certification authority's response:

C:\ProgramData\win-acme\acme-v02.api.letsencrypt.org\Certificates\frYEit...

Friendly name:

erwin.qaserverix.co

Select a certificate store for the new certificate:

Personal

OK Cancel

- The certificate is installed.

Internet Information Services (IIS) Manager

EC2AMAZ-UI1LEI3

Server Certificates

Use this feature to request and manage certificates that the Web server can use with websites configured for SSL.

Name	Issued To	Issued By	Expiration Date	Certif
[IIS] Default Web Site, (any hos...	erwin.qaserverix.co	R3	9/5/2022 7:10:22 A...	D2411

Actions

- Import...
- Create Certificate Request...
- Complete Certificate Request...
- Create Domain Certificate...
- Create Self-Signed Certificate...
- Enable Automatic Rebind of Renewed Certificate
- Help

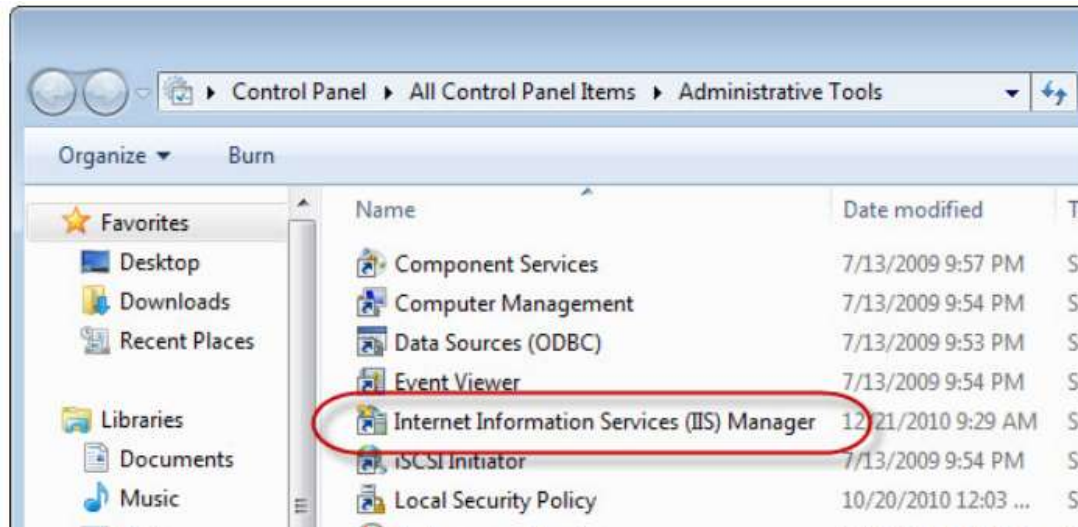
Features View Content View

Ready

Binding in Windows IIS

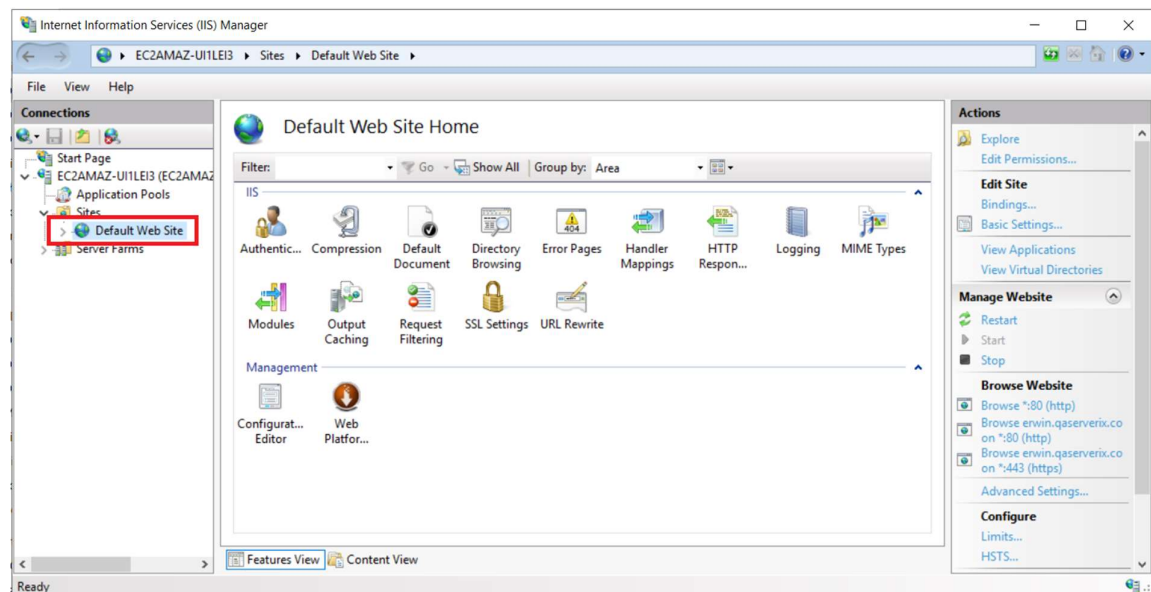
Start IIS Manager:

- On the Start screen, click the Control Panel.
- Click System and Security, and then click Administrative Tools.
- In the Administrative Tools window, double-click Internet Information Services (IIS) Manager



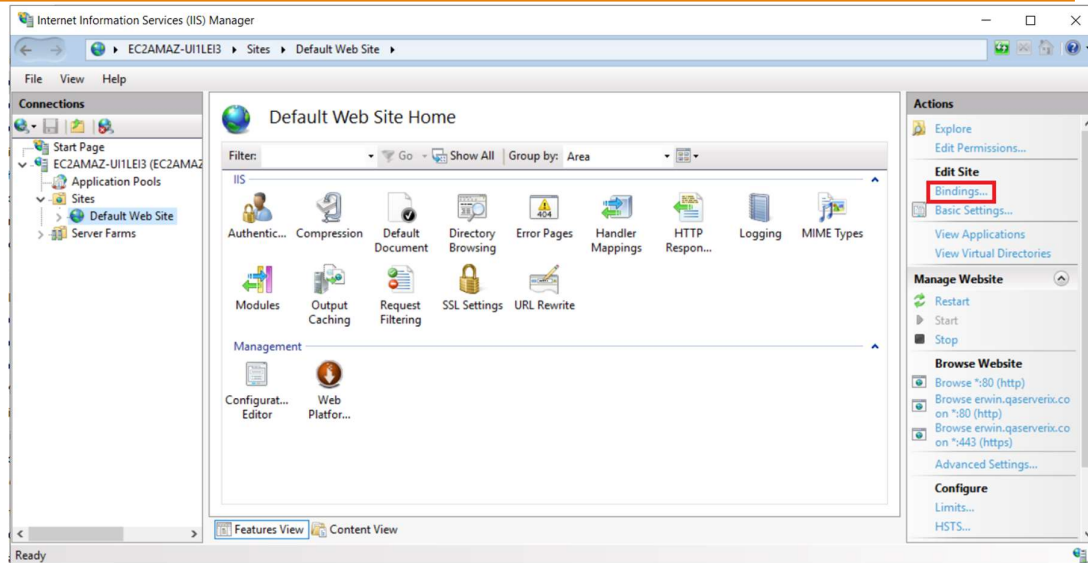
Select a website:

In the **Connections** pane on the left side of the window, navigate to the **Server** and **Site** you wish to bind the certificate to.



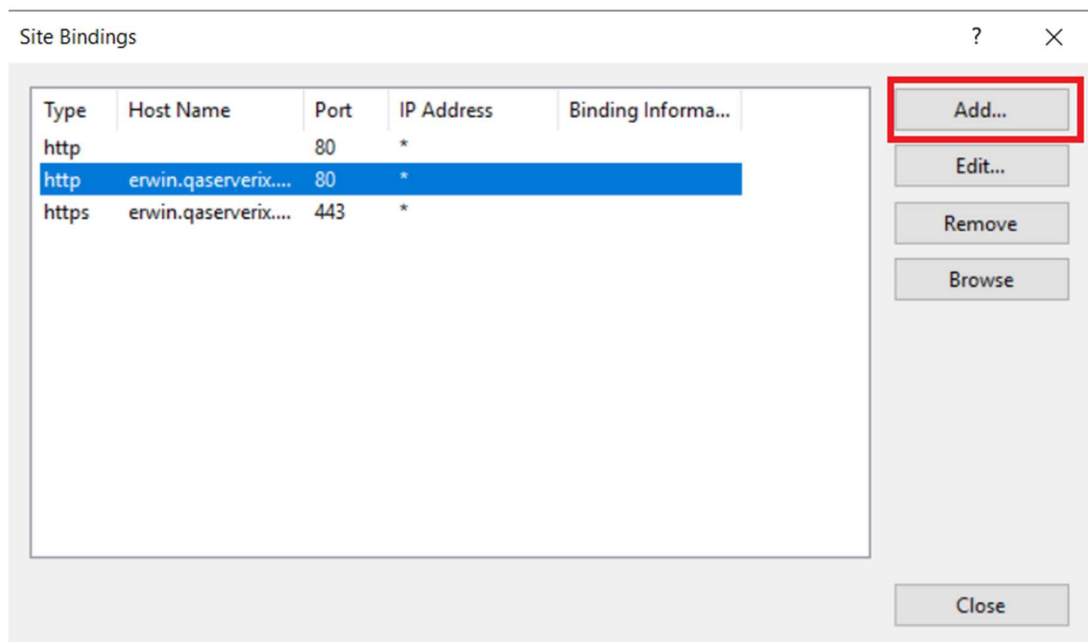
Open bindings:

- In the **Actions** pane on the right, click **Bindings**:



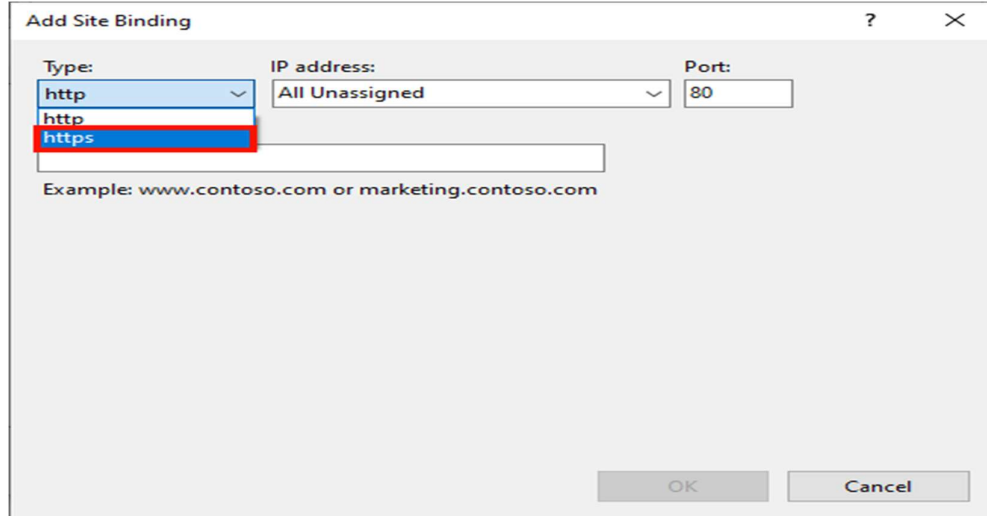
Click Add:

- Click the **Add...** button.



Select binding type:

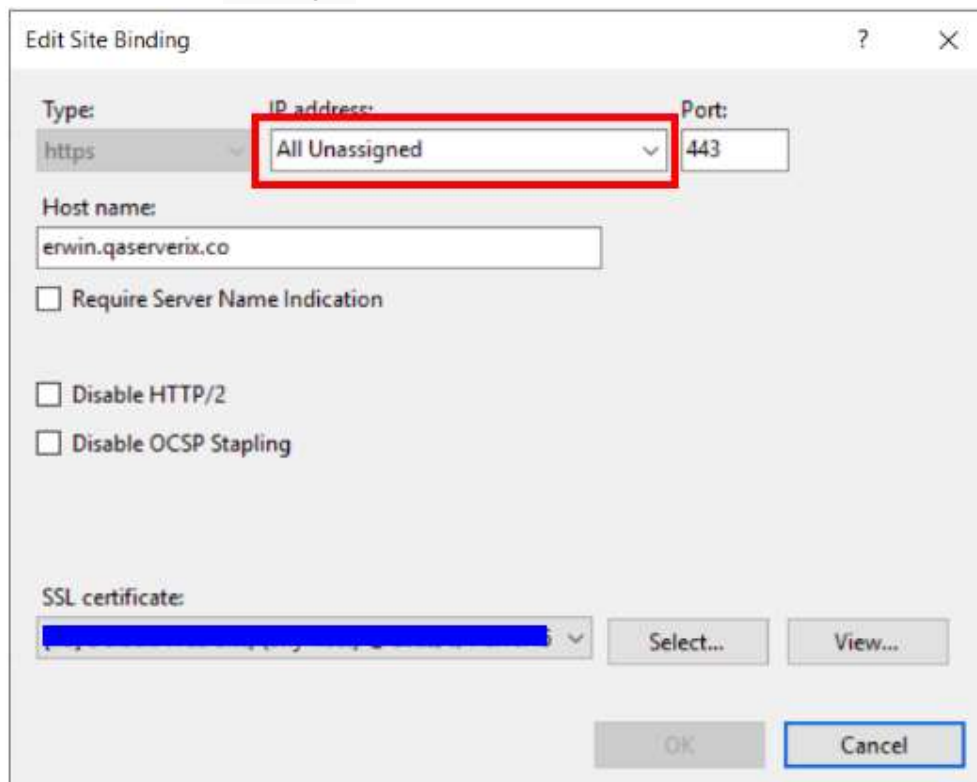
- The **Add Site Binding** window will open. For **Type**, select https.



The **Add Site Binding** dialog box is shown. It has three main fields: **Type**, **IP address**, and **Port**. The **Type** dropdown menu is open, showing options: **http**, **http**, and **https**. The **https** option is highlighted with a red box. The **IP address** dropdown menu shows **All Unassigned**. The **Port** text box contains **80**. Below these fields is a text box with the example: **Example: www.contoso.com or marketing.contoso.com**. At the bottom right are **OK** and **Cancel** buttons.

Select IP address:

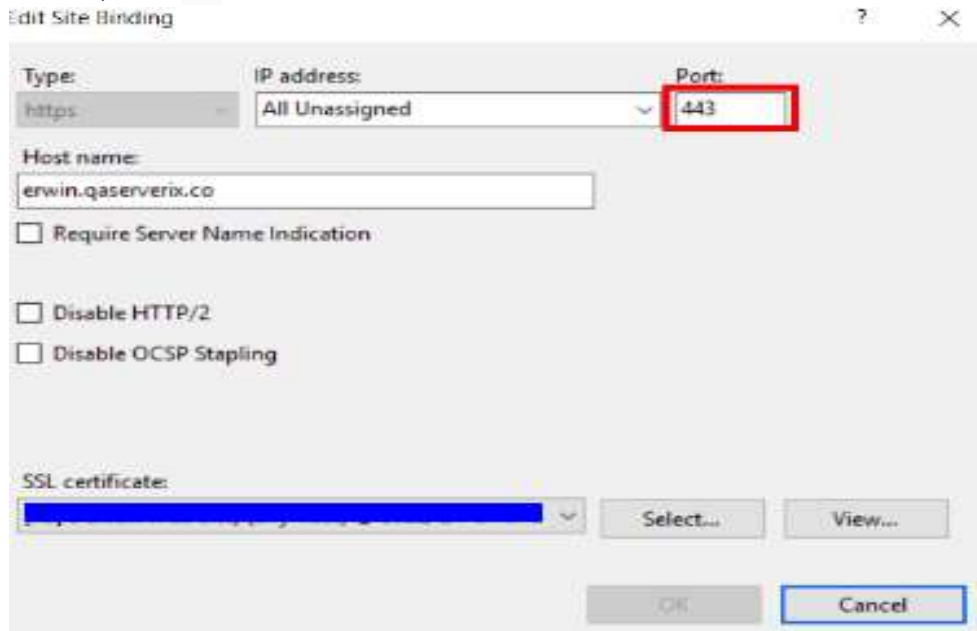
- For **IP address**, select **All Unassigned**, or the site's IP address.



The **Edit Site Binding** dialog box is shown. It has several fields: **Type** (set to **https**), **IP address** (set to **All Unassigned** and highlighted with a red box), and **Port** (set to **443**). Below these is the **Host name** text box containing **erwin.qaserverix.co**. There are three checkboxes: **Require Server Name Indication**, **Disable HTTP/2**, and **Disable OCSP Stapling**, all of which are unchecked. At the bottom is the **SSL certificate** dropdown menu, which is currently blank. To the right of the dropdown are **Select...** and **View...** buttons. At the bottom right are **OK** and **Cancel** buttons.

Enter port:

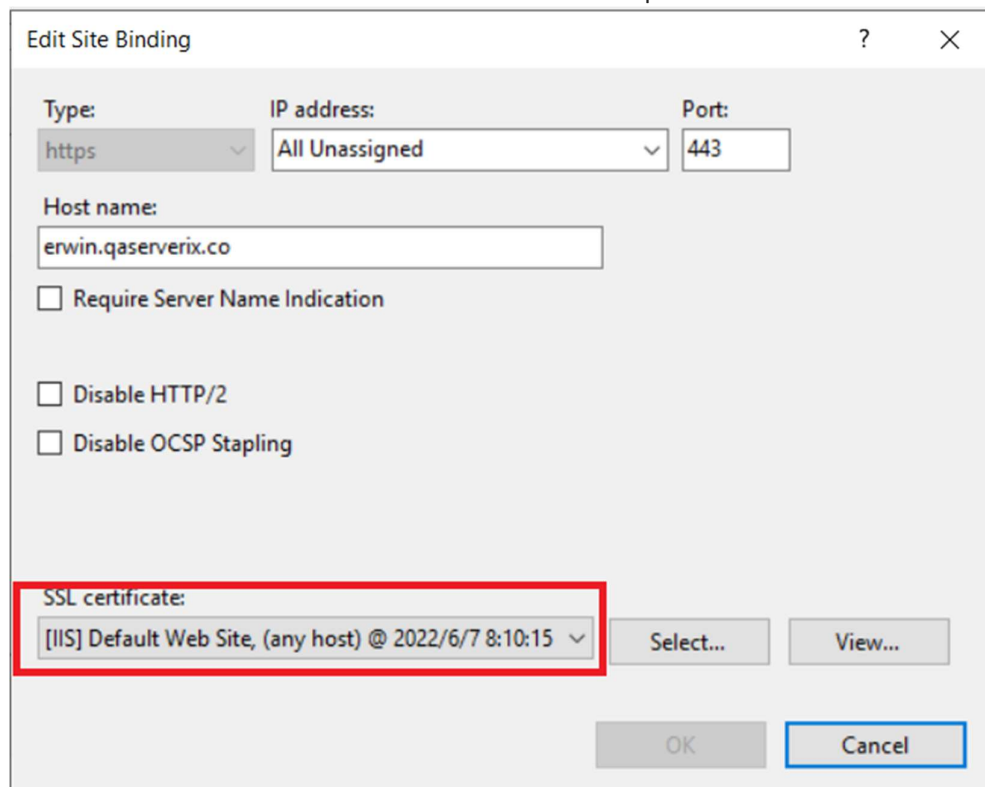
- For **Port**, enter 443.



The screenshot shows the 'Edit Site Binding' dialog box. The 'Type' is set to 'https', 'IP address' is 'All Unassigned', and the 'Port' is '443', which is highlighted with a red rectangle. The 'Host name' is 'erwin.qaserverix.co'. There are checkboxes for 'Require Server Name Indication', 'Disable HTTP/2', and 'Disable OCSP Stapling'. The 'SSL certificate' dropdown is currently empty, with 'Select...' and 'View...' buttons next to it. 'OK' and 'Cancel' buttons are at the bottom.

Select certificate:

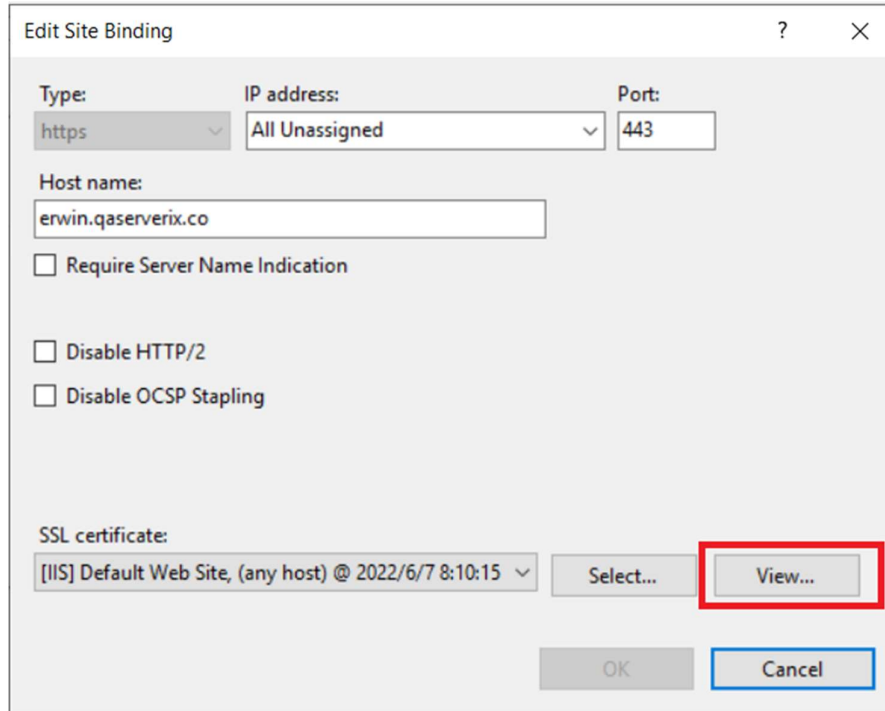
- Select the desired certificate from the **SSL certificate** drop-down menu.



The screenshot shows the 'Edit Site Binding' dialog box. The 'Type' is 'https', 'IP address' is 'All Unassigned', and 'Port' is '443'. The 'Host name' is 'erwin.qaserverix.co'. The 'SSL certificate' dropdown is highlighted with a red rectangle and shows the selected certificate: '[IIS] Default Web Site, (any host) @ 2022/6/7 8:10:15'. The 'Select...' and 'View...' buttons are to the right of the dropdown. 'OK' and 'Cancel' buttons are at the bottom.

View certificate details:

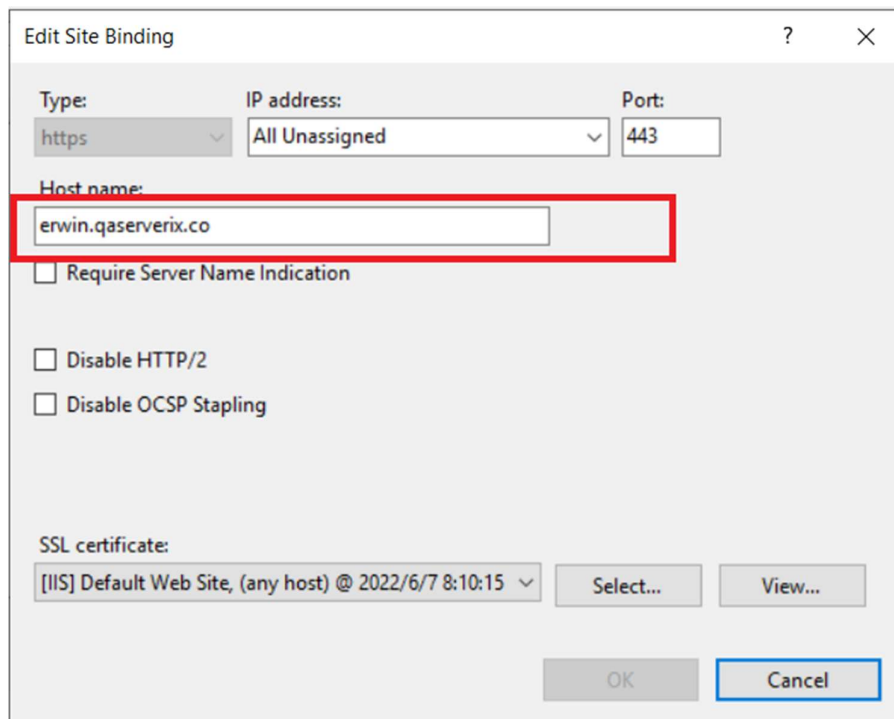
- You can use the **View...** button to get details about the selected certificate.



The screenshot shows the 'Edit Site Binding' dialog box. The 'Type' is set to 'https', 'IP address' is 'All Unassigned', and 'Port' is '443'. The 'Host name' field contains 'erwin.qaserverix.co'. There are three unchecked checkboxes: 'Require Server Name Indication', 'Disable HTTP/2', and 'Disable OCSP Stapling'. The 'SSL certificate' dropdown shows '[IIS] Default Web Site, (any host) @ 2022/6/7 8:10:15'. To the right of this dropdown are 'Select...' and 'View...' buttons. The 'View...' button is highlighted with a red rectangle. At the bottom are 'OK' and 'Cancel' buttons.

Require Server Name Indication (SNI) if necessary.

- If you are serving more than one domain name from the same IP address, enter it in the **Host name** field and check the **Require Server Name Indication** box. If not, you can safely leave these blank.



This screenshot shows the same 'Edit Site Binding' dialog box. The 'Host name' field, which contains 'erwin.qaserverix.co', is now highlighted with a red rectangle. The 'Require Server Name Indication' checkbox remains unchecked. All other elements, including the 'View...' button, are in the same state as the previous screenshot.

Close “Add Site Binding” window:

- Click the **OK** button to close the window.

Edit Site Binding

Type: **https** IP address: **All Unassigned** Port: **443**

Host name: **erwin.qaserverix.co**

☐ Require Server Name Indication

☐ Disable HTTP/2

☐ Disable OCSP Stapling

SSL certificate: **[IIS] Default Web Site, (any host) @ 2022/6/7 8:10:15** **Select...** **View...**

OK **Cancel**

Close “Site Bindings” window:

- Verify that the binding has been added, then close the **Site Bindings** window by clicking the **Close** button.

Site Bindings

Type	Host Name	Port	IP Address	Binding Informa...
http		80	*	
https		443	*	

Add... **Edit...** **Remove** **Browse**

Close