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Install an SSL Certificate in localhost Website in IIS

[IIS](#) | By TutorialsTeacher | 06 Jun 2019

We set a custom domain name to our localhost website as *www.mywebsite.com*. Now, we want to create a self-signed SSL certificate and install it for our website.

The needed steps are:

1. Create the self-signed SSL certificate
2. Add binding for https

Create a Self-Signed SSL Certificate

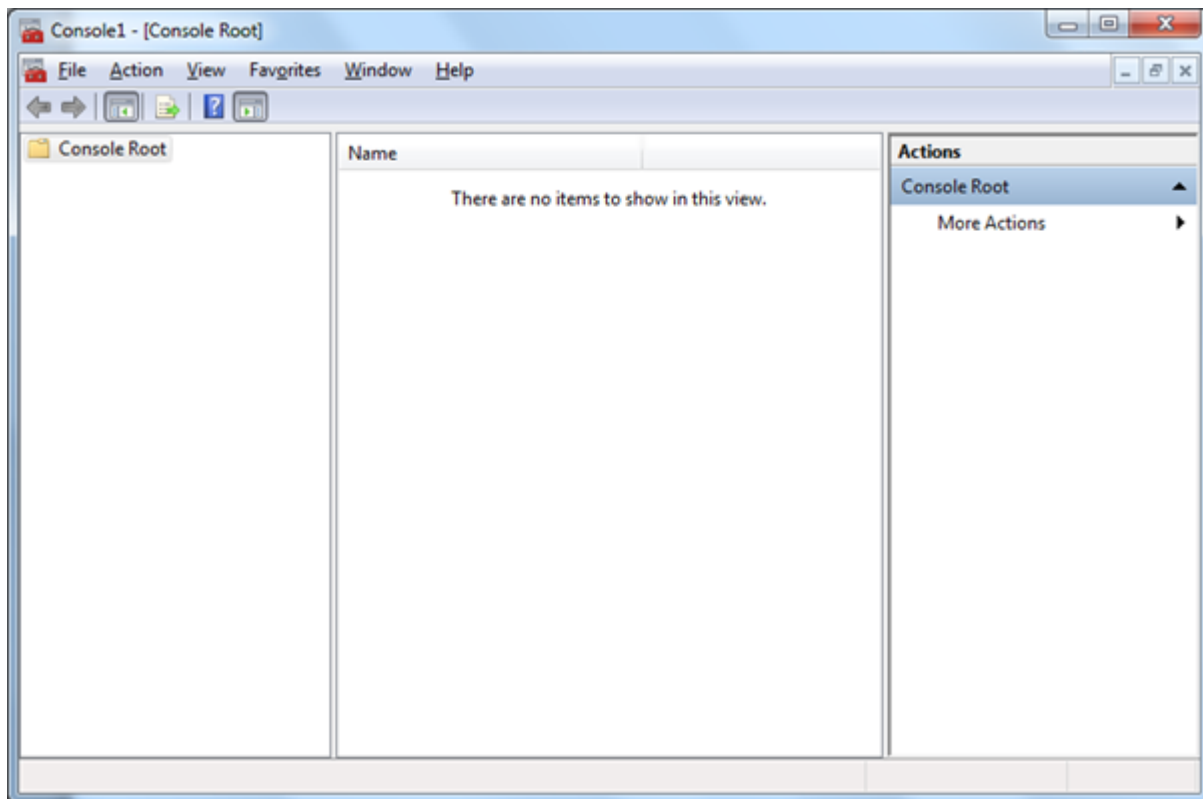
First of all, we need to create an SSL certificate to bind it with our local website *www.mywebsite.com*.

Use the *makecert* utility located in the C:\Program Files (x86)\Windows Kits\10\bin\x64 folder to create SSL certificates. Open the command prompt as administrator and navigate to the path where makecert.exe is located. Execute the following command. Note that CN=www.mywebsite.com.

```
makecert -r -pe -n "CN=www.mywebsite.com" -b 01/01/2019 -e 01/01/2029 -eku 1.3.6.1.5.5.7.3.1 -ss my -sr localMachine -sky exchange -sp "Microsoft RSA SChannel Cryptographic Provider" -sy 12
```

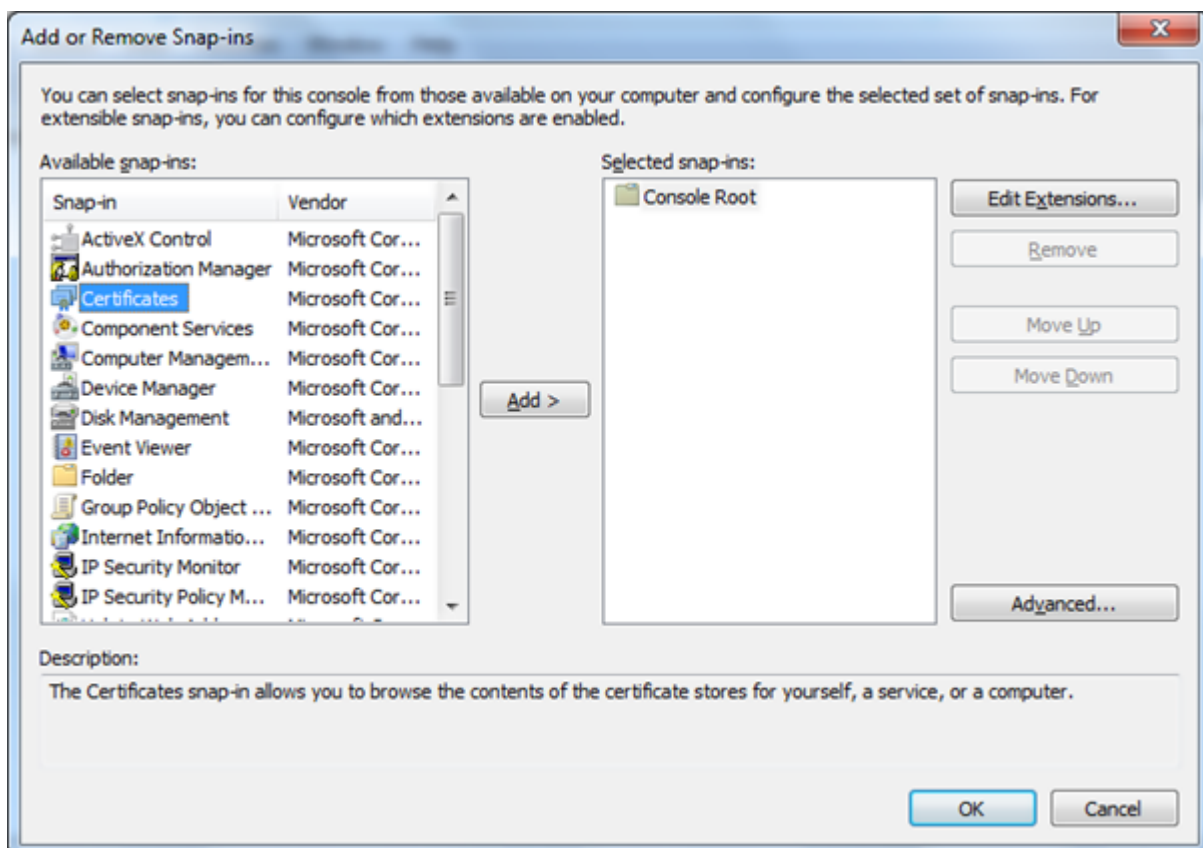
Once we created a certificate successfully, it's time to add it in the Trusted root authority.

Open mmc.exe by entering mmc.exe in the Run window. This will open the following window.

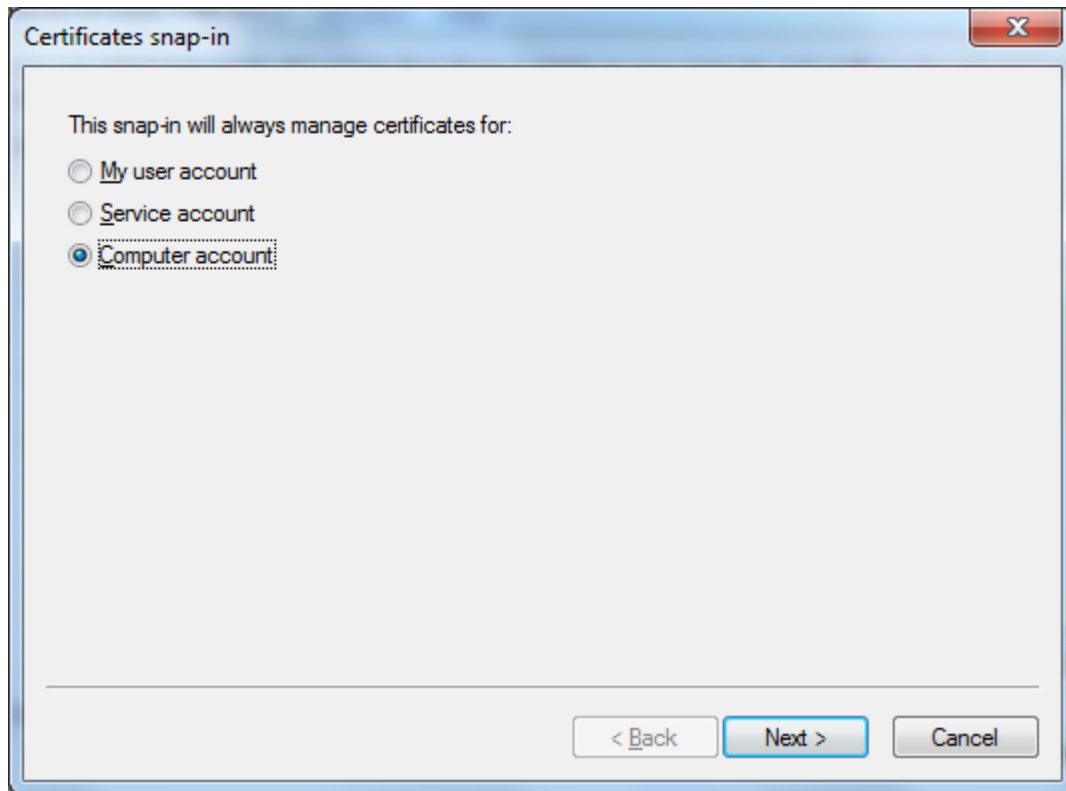


MMC

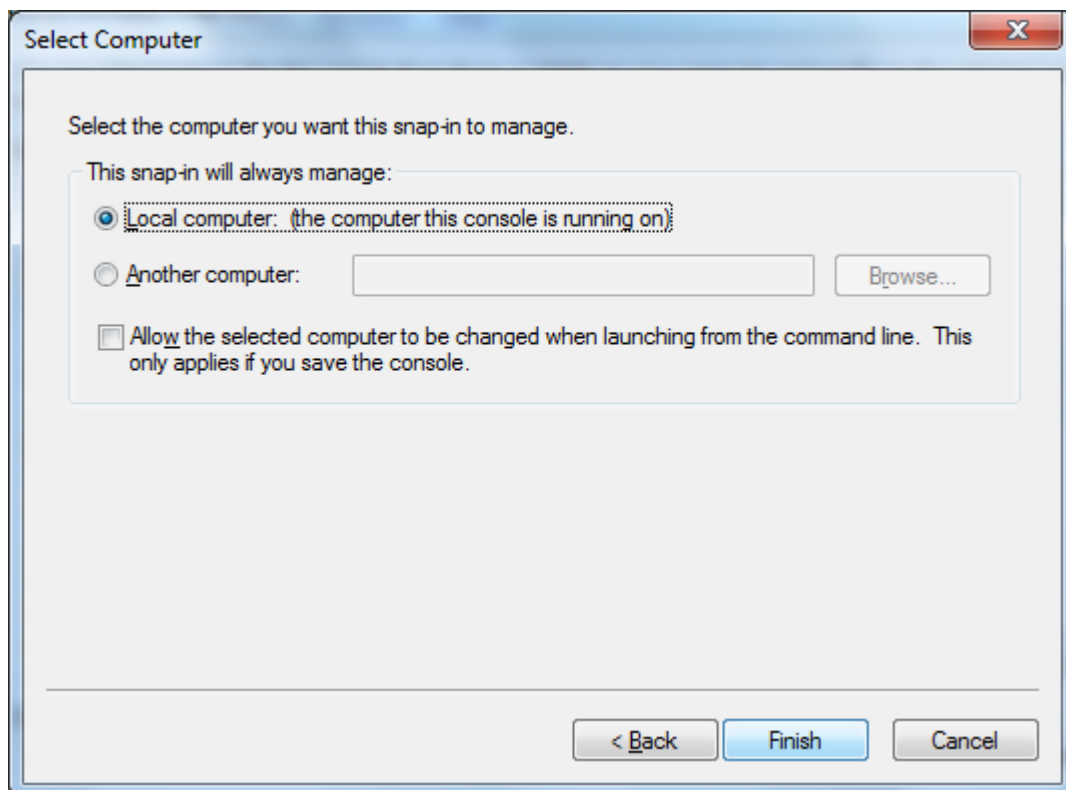
Go to the File menu and click Add or Remove Snap-ins. This will open the Snap-ins popup as shown below.



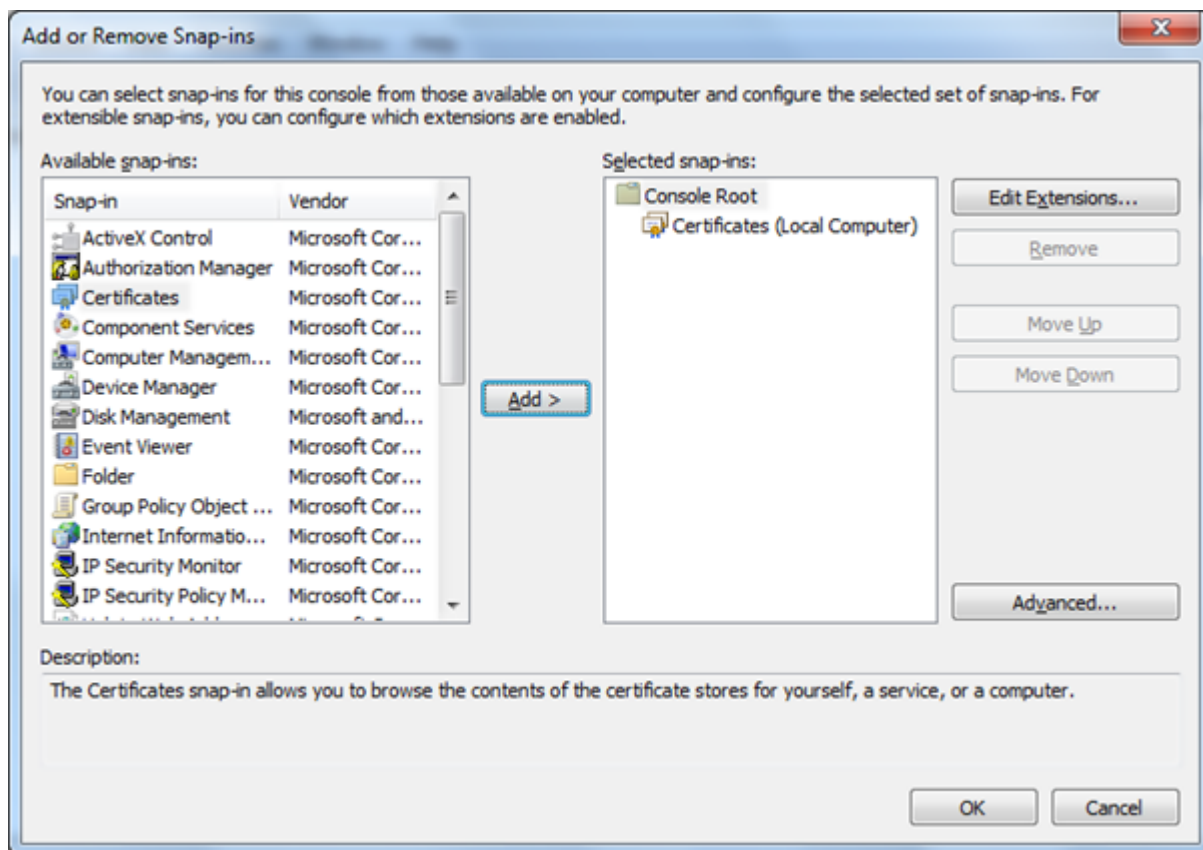
From the Add or Remove Snap-ins window, select Certificates and click on the Add > button. Select *Computer account* from the Certificates snap-in window, as shown below and click Next.



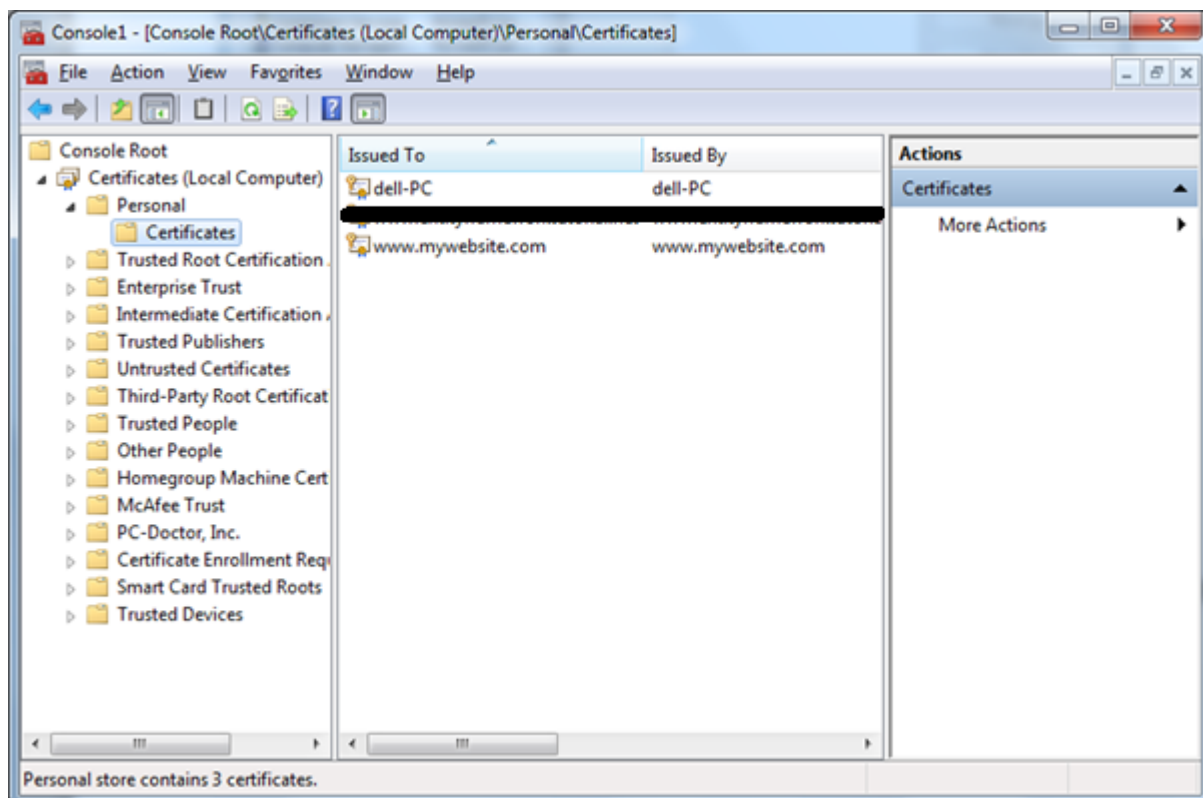
Select Local computer and click Finish.



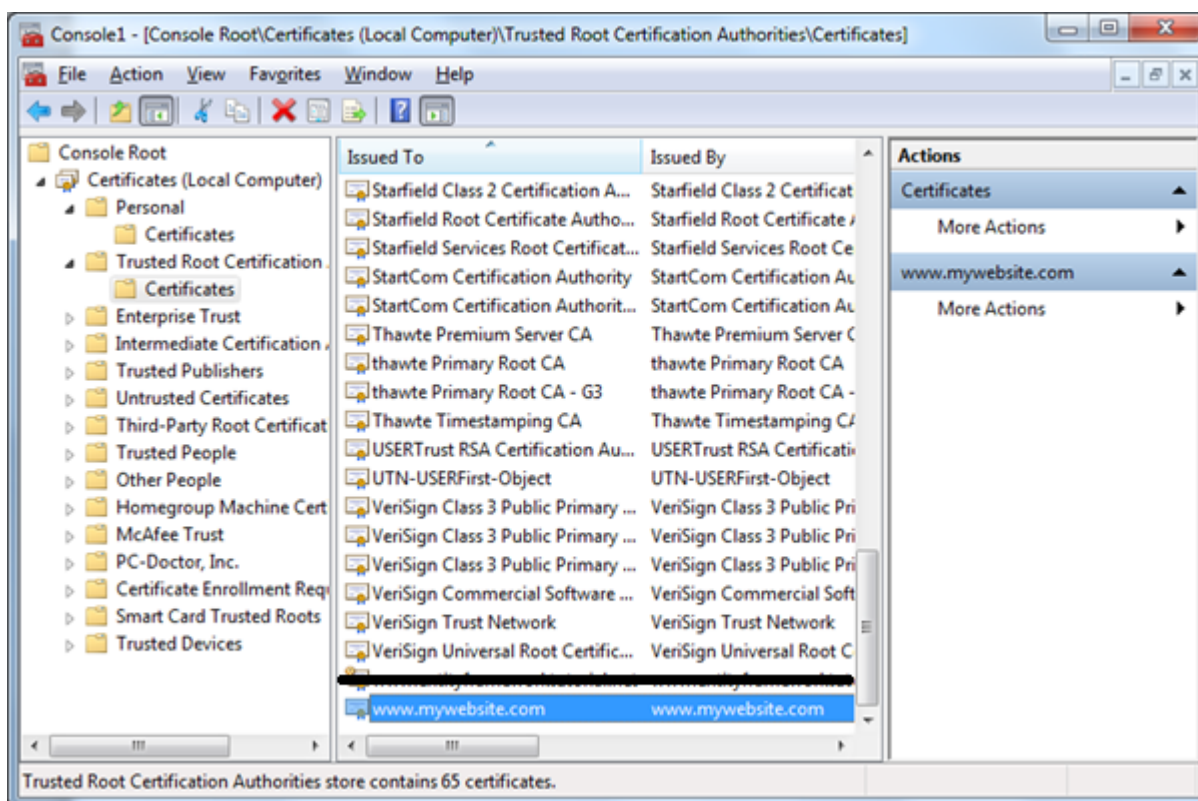
This will add *Certificates* in the Snap-ins popup, as shown below.



Click OK to see all the certificates in the Console as shown below. You can see our new certificate for *www.mywebsite.com* under the Personal > Certificates node.

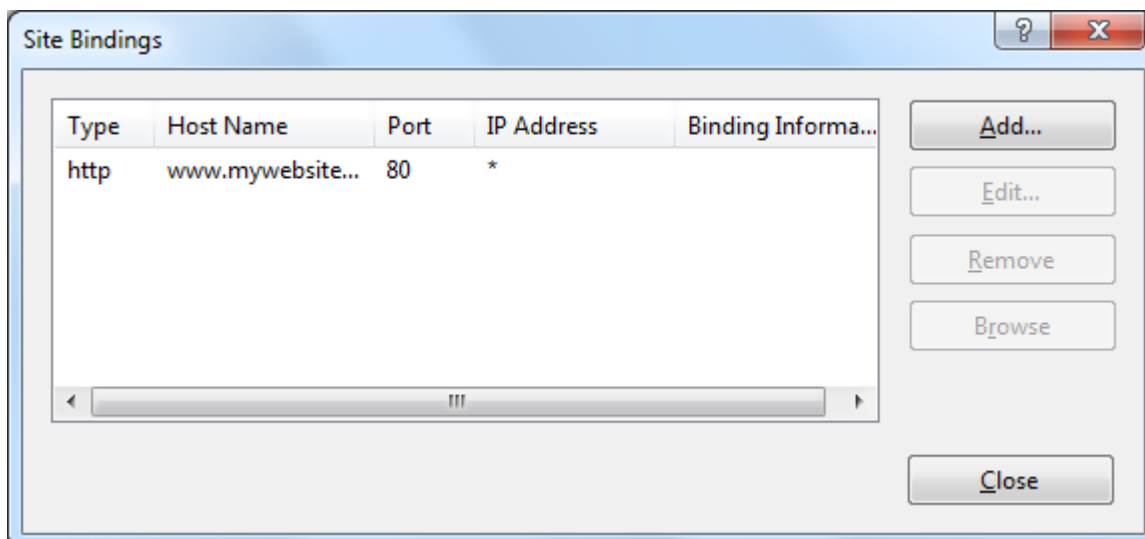


Right click on the certificate, copy the certificate and paste it under the Trusted Root Certificates Authorities > Certificates node.

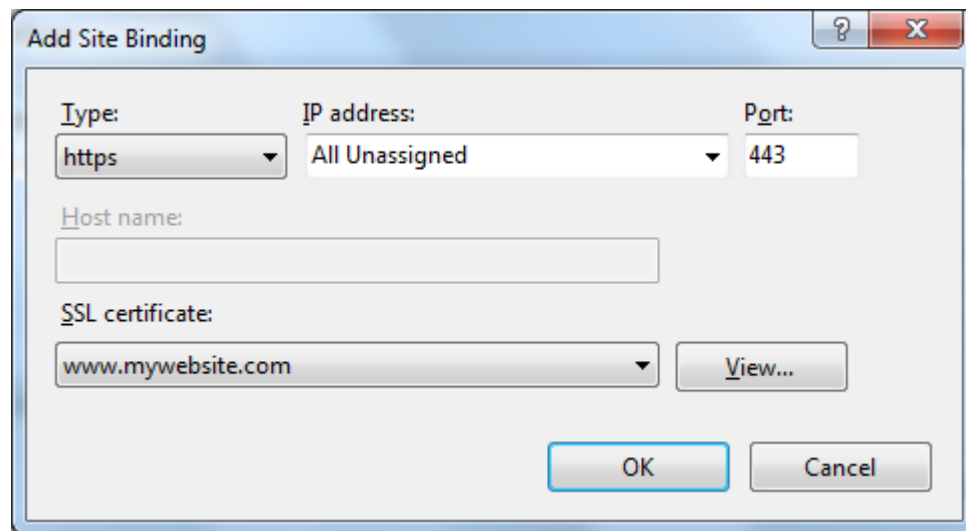


Add https Binding

Now, we need to bind the https protocol to our website. Go to IIS manager and select mywebsite, which we created earlier. Click on the bindings link in the right-side pane. This will open the Site Bindings dialog box, as shown below.



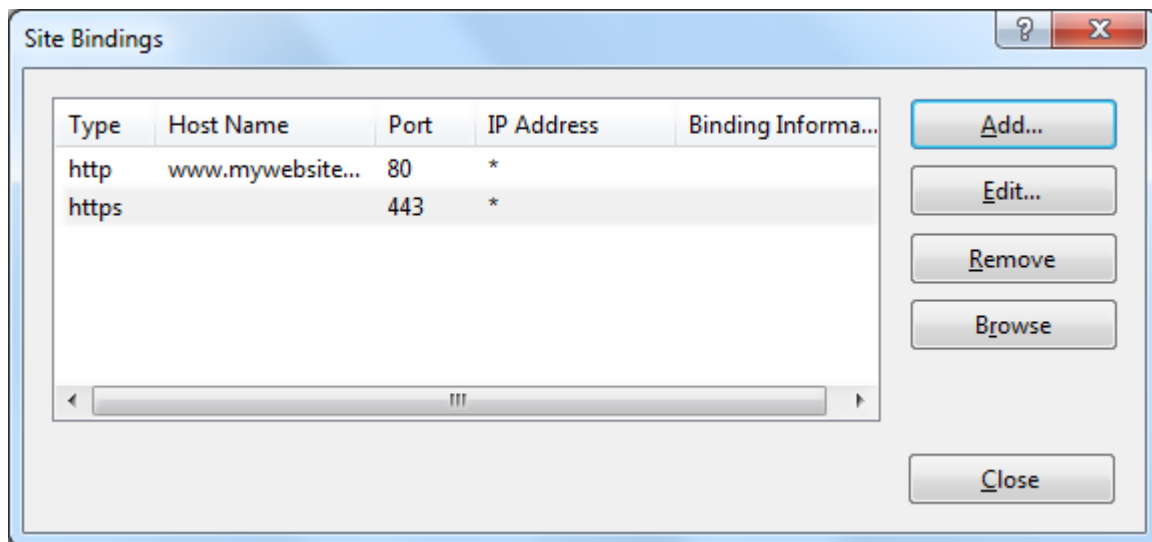
Now, we need to add the https binding, so click on the Add button. From the Add Site Binding popup, select Type as https and select our certificate *www.mywebsite.com* from the SSL certificate dropdown. Click OK.



The 'Add Site Binding' dialog box is shown. It has a title bar with a question mark and a close button. The main area contains the following fields:

- Type:** A dropdown menu with 'https' selected.
- IP address:** A dropdown menu with 'All Unassigned' selected.
- Port:** A text box containing '443'.
- Host name:** An empty text box.
- SSL certificate:** A dropdown menu with 'www.mywebsite.com' selected.
- View...** button next to the SSL certificate dropdown.
- OK** and **Cancel** buttons at the bottom right.

You can see that now we have two site bindings: http and https.



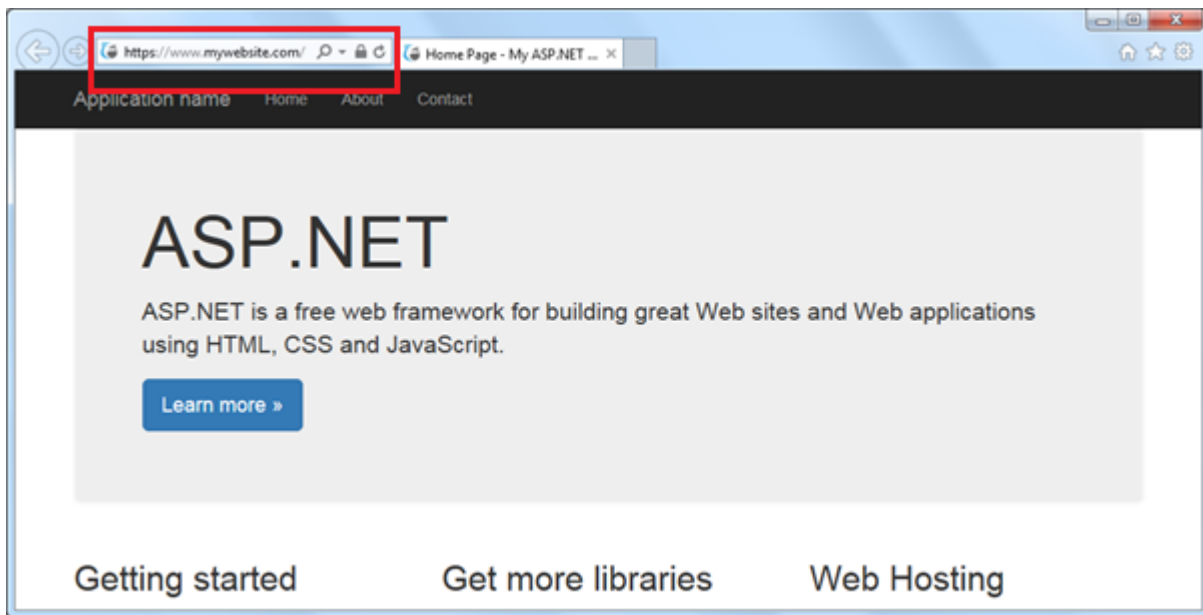
The 'Site Bindings' dialog box is shown. It has a title bar with a question mark and a close button. The main area contains a table with the following data:

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

Below the table is a scrollbar. To the right of the table are the following buttons:

- Add...**
- Edit...**
- Remove**
- Browse**
- Close**

Now open the browser and enter *https://www.mywebsite.com* to see the page, as shown below.



Thus, we can use a custom domain name and a self-signed certificate to the localhost website.



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