

SSL Certificates

SSL certificates are purchased by your company. There are several companies that can provide them. The first point of contact is probably the company where your domain is registered. Major providers of SSL certificates include:

- GoDaddy (www.godaddy.com)
- Thawte (www.thawte.com)
- Symantec (www.symantec.com)
- DigiCert (www.digicert.com)
- Comodo (www.comodo.com)

There are other providers as well that can be found via a web search.

Note that there is a cost for an SSL certificate and it must be renewed yearly.

Installing an SSL Certificate

The following information is copied from the following URL at GoDaddy.com. The URL is correct as of February 1, 2017.

<https://www.godaddy.com/help/install-ssl-certificates-16623>

To Install an SSL Certificate in Microsoft IIS 7

1. Click **Start**, mouse-over **Administrative Tools**, and then click **Internet Services Manager**.
2. In the **Internet Information Services (IIS) Manager** window, select your server.
3. Scroll to the bottom, and then double-click **Server Certificates**.
4. From the **Actions** panel on the right, click **Complete Certificate Request....**
5. To locate your certificate file, click
6. In the **Open** window, select *.* as your file name extension, select your certificate (it might be saved as a .txt, .cer, or .crt), and then click **Open**.
7. In the **Complete Certificate Request** window, enter a **Friendly name** for the certificate file, and then click **OK**



For Wildcard SSL certificates make sure your **Friendly Name** matches your Common Name (i.e. *.coolexample.com).

8. In the **Internet Information Services (IIS) Manager** window, select the name of the server where you installed the certificate.
9. Click + beside **Sites**, select the site to secure with the SSL certificate.
10. In the **Actions** panel on the right, click **Bindings....**
11. Click **Add....**
12. In the **Add Site Binding** window:

13. For **Type**, select **https**.
14. For **IP address**, select **All Unassigned**, or the IP address of the site.
15. For **Port**, type **443**.
16. For **SSL Certificate**, select the SSL certificate you just installed, and then click **OK**.
17. Close the **Site Bindings** window.
18. Close the **Internet Information Services (IIS) Manager** window. Your SSL certificate installation is complete.

Visit your website at **https://www.coolexample.com** (replacing coolexample.com with your domain name) to verify the installation. If you have problems, see [Test your SSL's configuration to help diagnose issues](#).



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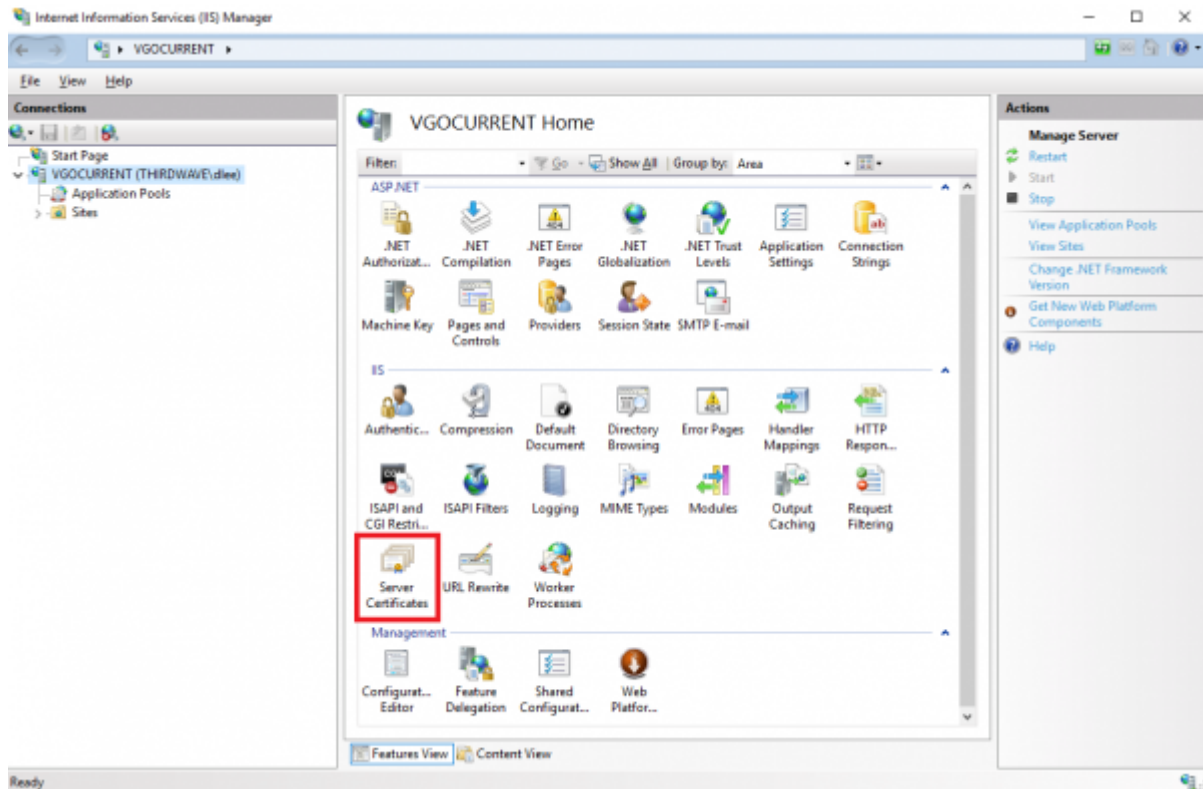
Creating a Self-Signed SSL Certificate



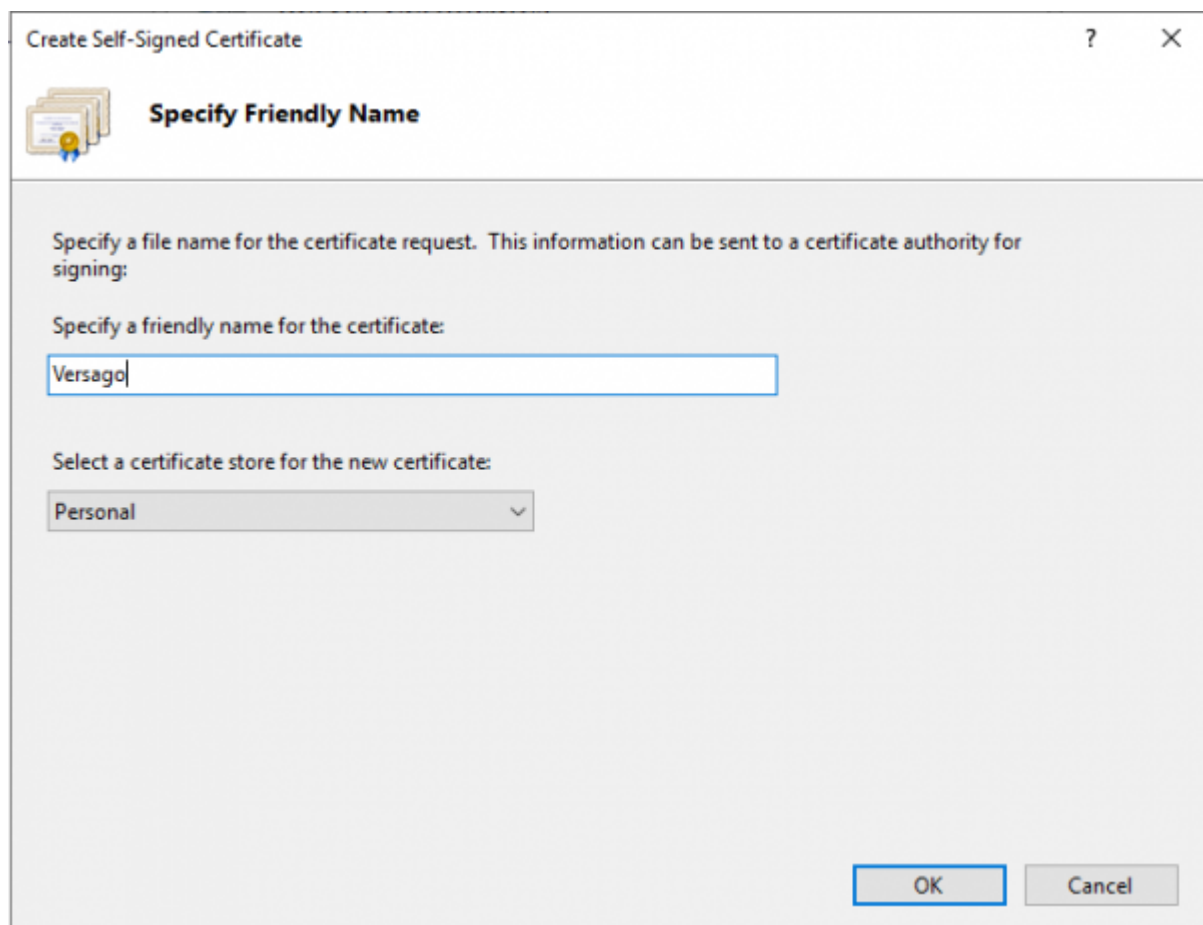
The use of a certificate issued by a proper authority is highly recommended. Self-sign certificates will cause an unsecured connection warning by browsers.

The following shows how to create a self-signed SSL certificate.

1. Open the Windows IIS Manager (Administrative Tools > IIS Manager)
2. Select the server under the Connections pane
3. Double click the "Server Certificates" icon in the IIS section of the page



4. Click on "Create Self-Service Certificates" in the Actions pane
5. Name the certificate and store it under Personal



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