

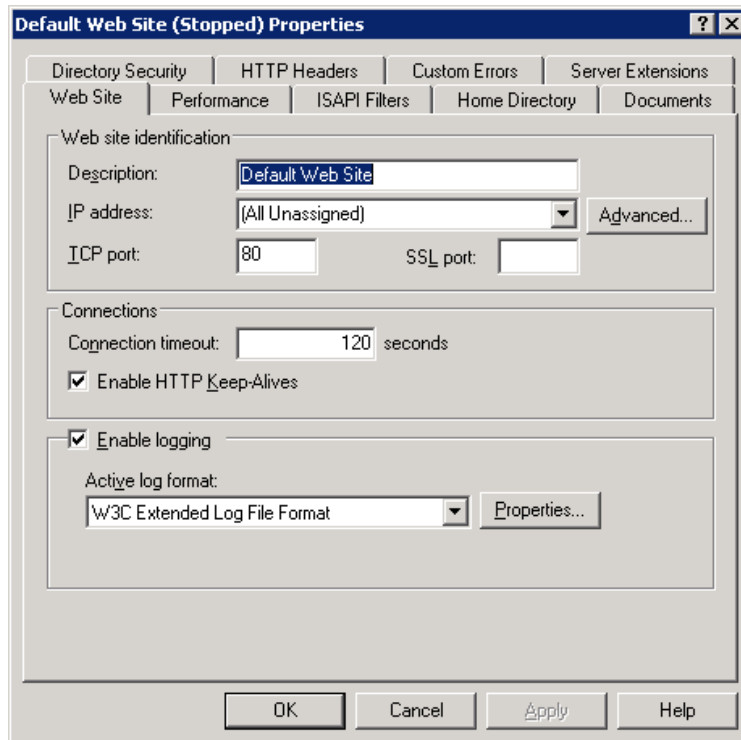
Setting up a Secure Site in IIS

Requirements

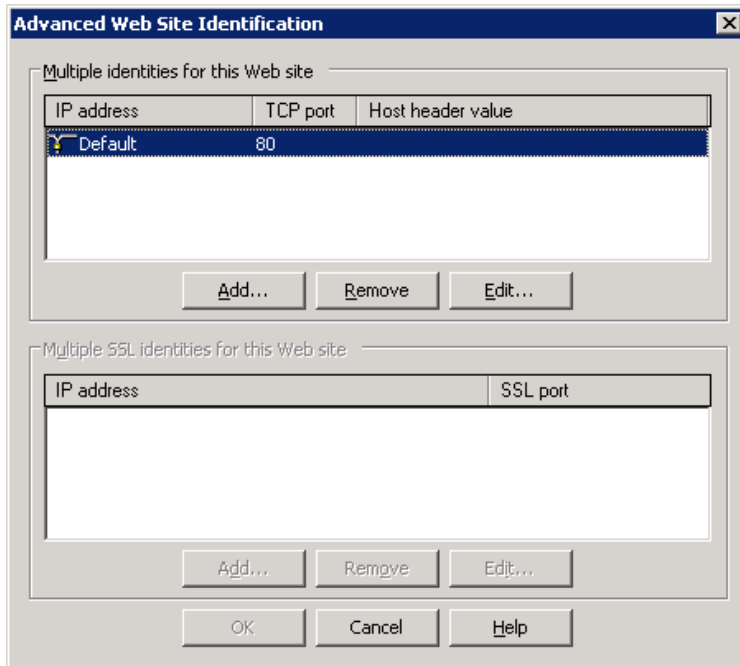
- You must be a member of the Administrators group on the local computer to perform the following procedure, or you must have been delegated the appropriate authority.

Setting up SSL on the Server

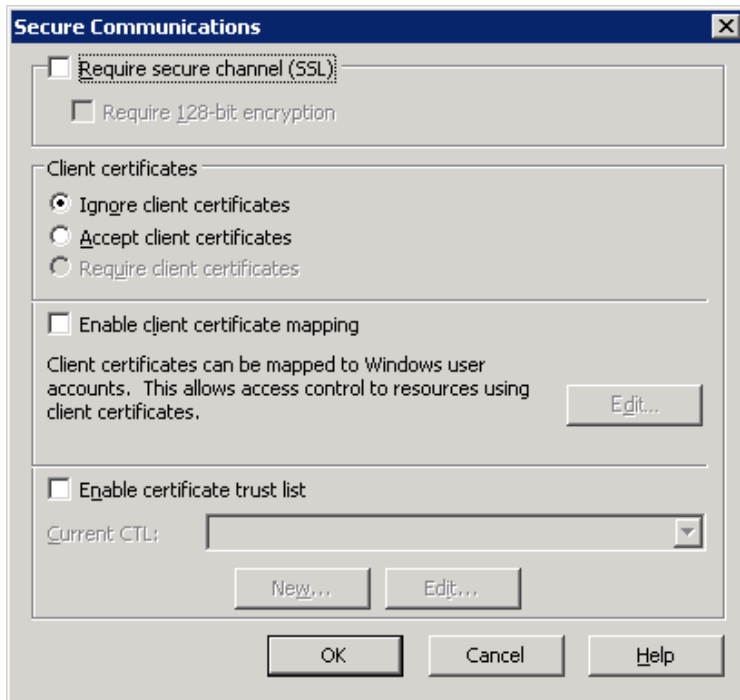
1. In IIS Manager, expand the local computer, and then expand the Web Sites folder. Right-click on the Web site or file that you want to protect with SSL, and then click Properties.



2. Under Web site identification, click Advanced.
3. In the Advanced Web site identification box, under Multiple identities for this Web site, verify that the Web site IP address is assigned to port 443 (the default port for secure communications), and then click OK. Optionally, to configure more SSL ports for this Web site, click Add under Multiple identities of this Web site, and then click OK



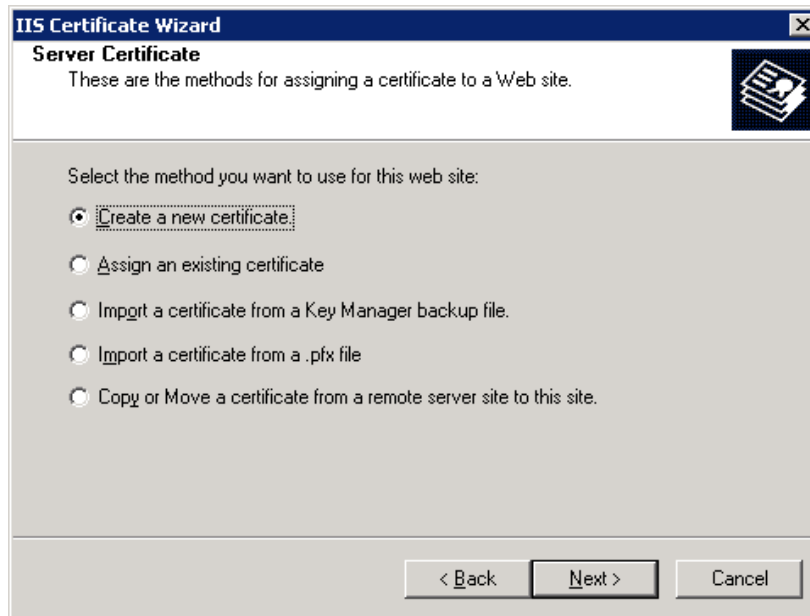
4. On the Directory Security tab for the site, under Secure communications, click Edit.
5. In the Secure Communications box, select the Require secure channel (SSL) check box.



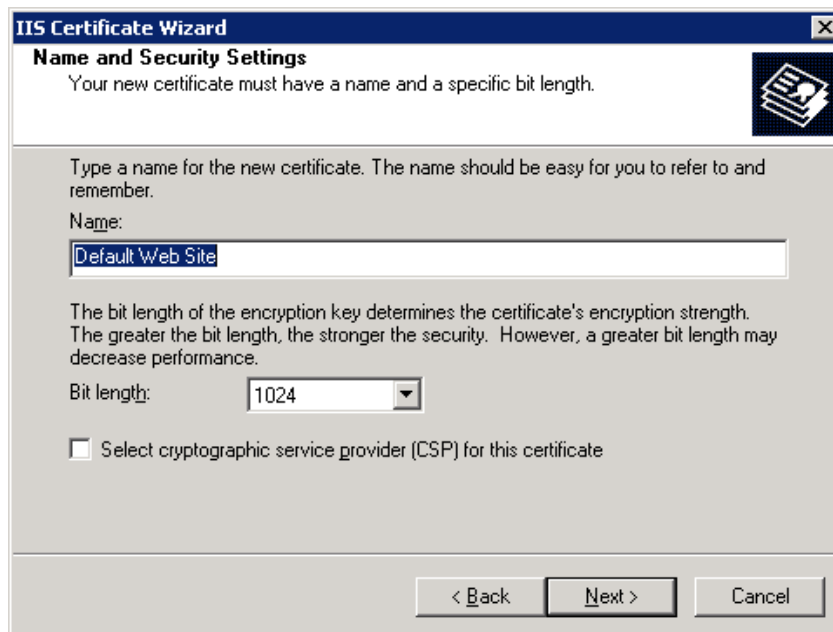
Attaining a Security Certificate

1. On the Directory Security tab, under Secure communications, click on Server Certificate to start the Web Server Certificate Wizard.

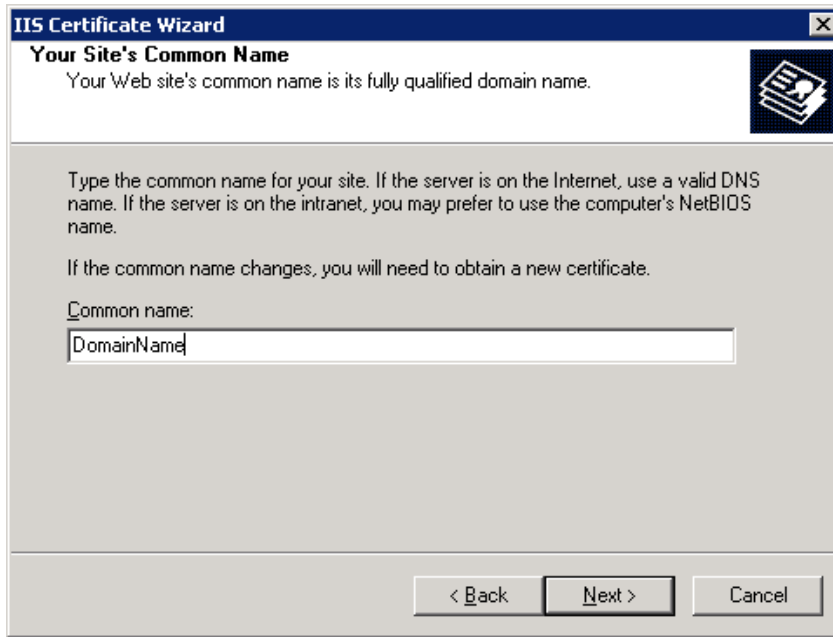
2. Once in the Wizard, you should see a screen similar to what's shown below. Select 'Create a new certificate' from the list and click next.



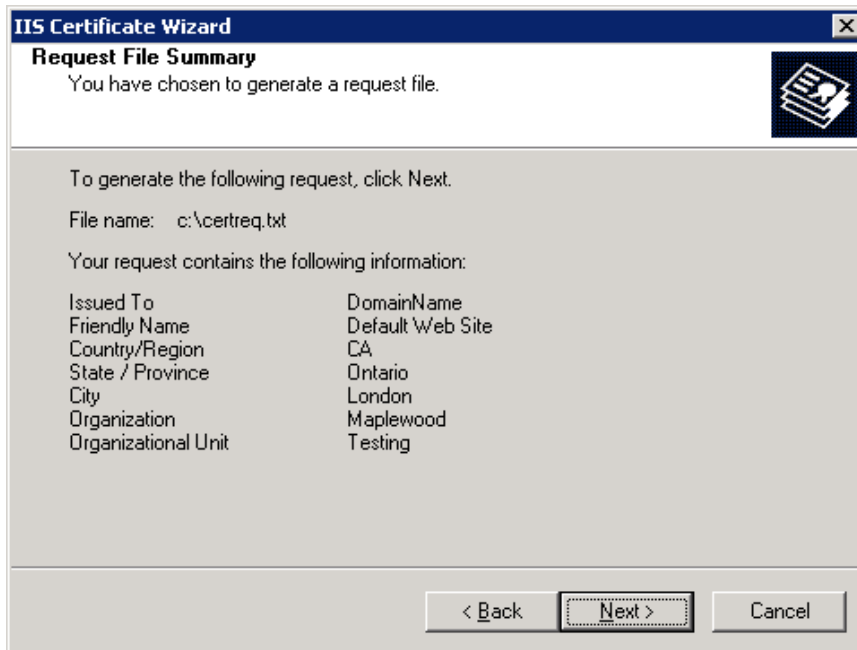
3. On the next screen select to prepare the request now, but send it later, and then click the Next button.
4. From the following window type in the name for the new certificate, and select the bit length of the encryption key of your preference (the default selection is fine, but feel free to choose a different one to your preference) and click next.



5. In this step enter your organization information as it relates to you and click Next to move on.
6. From here insert your domain name in the provided space as shown in the picture below.



7. In the following screen, enter your geographical location as it requests, and click the Next button.
8. Now specify what you would like to save the certificate request file as and move to the subsequent form. It should look like this:



9. Once this is verified, you can move on to the next screen. Here you will complete the certificate request.

Creating the Security Certificate

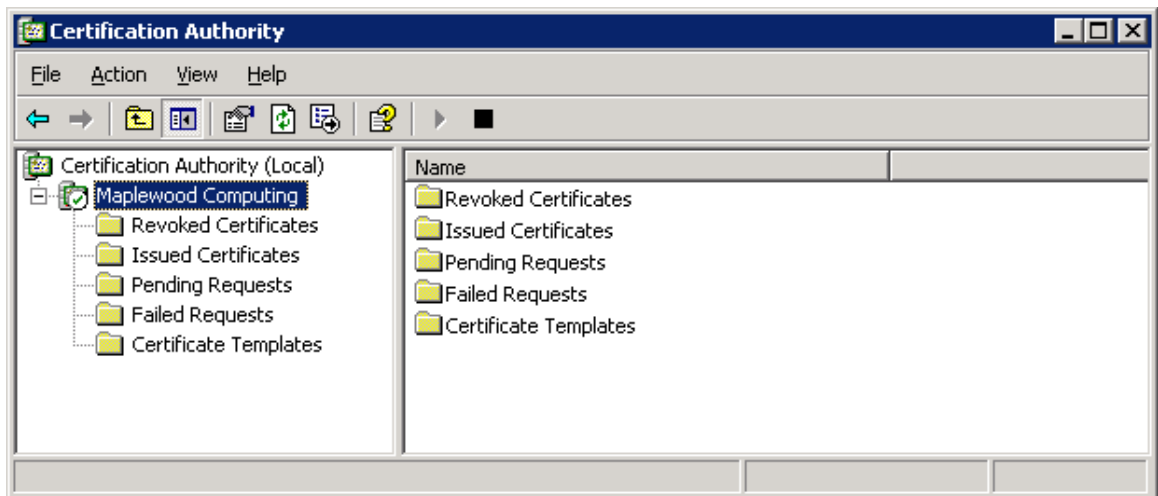
In Add/Remove programs, ensure that Certificate Services is installed under Add/Remove Windows Components (must be a stand-alone certification authority).

Using web-based version:

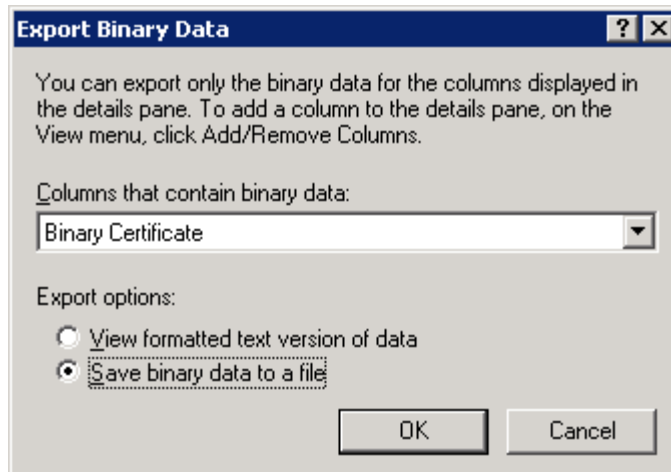
1. Open Internet Explorer.
2. In Internet Explorer, connect to <http://servername/certsrv>, where *servername* is the name of the Web server running Windows Server 2003 where the certification authority (CA) you want to access is located.
3. Click **Request a certificate**.
4. On **Request a Certificate**, click **User Certificate**.
5. On the User Certificate - Identifying Information page, do one of the following:
 - Read the message "No further identifying information is required. To complete your certificate, press submit".
 - Enter your identifying information for the certificate request.
6. (Optional) Click **More Options** to specify the cryptographic service provider (CSP) and whether you want to enable strong private key protection. (This means that you will receive a prompt every time that the private key associated with the certificate is used.)
7. Click **Submit**.
8. Do one of the following:
 - If you see the **Certificate Pending** Web page, see Related Topics below for the procedure to check on a pending certificate.
 - If you see the **Certificate Issued** Web page, click **Install this certificate**.
9. If you are finished using the Certificate Services Web pages, close Internet Explorer

Using windows program:

1. Open the Certification Authority program from the Control Panel, under Administrative Tools.
2. Right-click on your Certificate Authority name (ex. Maplewood Computing below), click All Tasks, and then select Submit New Request.



3. From here select the certificate request file that you created earlier (ex. Certreq.txt). You should now see the request under Pending Requests.
4. Once you can see the file under Pending, right-click on the file and select Issue.
5. You should now see it under Issued Certificates, right-click on it and select All Tasks, and then click Export Binary Data.
6. In this screen select Binary Certificate, and save binary data to a file.



7. Save this file to a location that you can easily access, and make note of the file name.

Installing the Security Certificate

Using web-based version:

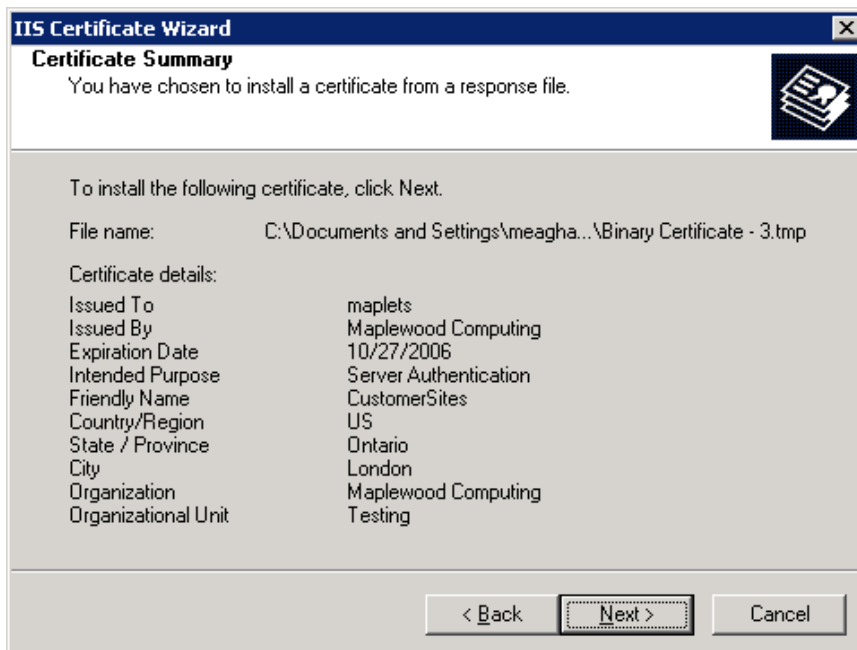
1. Open Internet Explorer.
2. In Internet Explorer, connect to <http://servername/certsrv>, where *servername* is the name of the Web server running Windows Server 2003 where the certification authority (CA) you want to access is located.
3. Click Download a CA certificate, certificate chain, or CRL.
4. Do one of the following:
 - If you want to trust all the certificates issued by this certification authority (CA), click Install this CA certificate chain.
 - If the certification authority has been renewed, you will have the choice of which version of the CA certificate you want to download.
5. Select the encoding method you want for the CRL: DER or Base 64.
6. Under CA Certificate, click the CA certificate you want to download, and then click Download CA certificate or click Download CA certificate chain.
7. In File Download, click Open this file from its current location, and then click OK.
8. When the Certificate dialog box appears, click Install this certificate.
9. In the Certificate Import wizard, click Automatically select the certificate store based on the type of certificate.
10. If you are finished using the Certificate Services Web pages, close Internet Explorer.

Using IIS:

1. Open Internet Information Services, right-click on your website and select properties.
2. From here select the Directory Security tab, and click on Server Certificate under Secure Communications.
3. Now in the wizard, you should get a screen that looks like the image below, stating that you have a pending certificate. If you have this screen, click Next.



4. Now select that you would like to process the pending request and install the certificate, and click Next.
5. Browse for the file that you saved while creating the certificate, select it, and click Next.
6. Confirm that the SSL port is 443 and click Next (if that port happens to be in use, any port will be fine, ex. 444).
7. On this screen you should see something similar to the image below:



8. Click Next, and then Finish. You have now completed installing your security certificate.