

Generating an IIS SSL Certificate Signing Request (CSR) using Microsoft IIS 5.x / 6.x

A CSR is a file containing your IIS SSL certificate application information, including your Public Key:

Generate keys and Certificate Signing Request:

- Select Administrative Tools
- Start Internet Services Manager



• Open the properties window for the website the CSR is for. You can do this by right clicking on the Default Website and selecting Properties from the menu

• Open Directory Security by right clicking on the Directory Security tab



Default Web Sit	e Prop	erties			<u>? ×</u>
Web Site Directory Sec	 urity	ISAPI Filters HTTP Headers	Home Direct	tory ors Sen	Documents ver Extensions
Anonymous	access a Enable authent	and authentication co anonymous access iication methods for th	ontrol and edit the his resource.	<u>E</u> dit.	
IP address a	nd doma Grant o IP addr	ain name restrictions- r deny access to this esses or internet dor	resource using aain names.	Edjt.	
- Secure com	municatio Require enable resourc	ons e secure communicat client certificates wh e is accessed.	ions and en this	<u>S</u> erver Cert ⊻iew Certi E <u>d</u> it.	ificate ficate
		ок	Cancel	Apply	Help

• Click Server Certificate. The following Wizard will appear:

IIS Certificate Wizard	×
Server Certificate There are five methods for assigning a certificate to a Web site.	
Select the method you want to use for this web site:	
< <u>B</u> ack <u>N</u> ext >	Cancel

• Click Create a new certificate and click Next.

ortificato Wizard			
layed or Immediate Request You can prepare a request to be sent late immediately.	er, or you can send one		
Do you want to prepare a certificate reque immediately to an online certification author	est to be sent later, or do you ority?	want to send it	
• Prepare the request now, but send it la	ater		
C Send the request immediately to an or	nline certification authority		

• Select Prepare the request and click Next.

IIS Certificate Wizard
Name and Security Settings Your new certificate must have a name and a specific bit length.
Type a name for the new certificate. The name should be easy for you to refer to and remember. Name:
Your Company Name The bit length of the encryption key determines the certificate's encryption strength. The greater the bit length, the stronger the security. However, a greater bit length may decrease performance. Bit length: 1024 Image: Secure Certed Constants (CCC) and Finate for exact unprison period.
Select cryptographic service provider (CSP) for this certificate < Back Next >

• Provide a name for the certificate, this needs to be easily identifiable if you are working with multiple domains. This is for your records only.

• If your server is 40 bit enabled, you will generate a 512 bit key. If your server is 128 bit you can generate up to 1024 bit keys. We recommend you stay with the default of 1024 bit key if the option is available. Click **Next**

Select or type your organization's name and your organizational unit. This is typically the legal name of your organization and the name of your division or department. For further information, consult certification authority's Web site. Organization: Your Company Name Organizational <u>unit:</u> Web	S Certificate Wizard Organization Information Your certificate must include informat distinguishes it from other organization	ion about your organization that	×
For further information, consult certification authority's Web site. Organization: Your Company Name Organizational unit: Web	Select or type your organization's nar legal name of your organization and t	me and your organizational unit. This is the name of your division or departmen	typically the t.
Viganization: Your Company Name Organizational unit: Web	For further information, consult certific	cation authority's Web site.	
Organizational <u>u</u> nit: Web	Your Company Name	_	
Web	Organizational <u>u</u> nit:		
	Web	•	

• Enter **Organisation** and **Organisation Unit**, these are your company name and department respectively. Click **Next**.

IIS Certificate Wizard
Your Site's Common Name Your Web site's common name is its fully qualified domain name.
Type the common name for your site. If the server is on the Internet, use a valid DNS name. If the server is on the intranet, you may prefer to use the computer's NetBIOS name.
If the common name changes, you will need to obtain a new certificate.
Common name:
www.mydomainname.com
< <u>B</u> ack <u>N</u> ext > Cancel

• The Common Name field should be the **Fully Qualified Domain Name** (FQDN) or the web address for which you plan to use your IIS SSL Certificate, e.g. the area of your site you wish customers to connect to using SSL. For example, **dg-sign.com** will not be valid for **secure.dg-sign.com**. If the web address to be used for SSL is **secure.dg-sign.com**, ensure that the common name submitted in the CSR is **secure.dg-sign.com**. Click **Next**.

	NGIGIGI
IIS Certificate Wizard	
The certification authority requires the following geographical information.	
Country/Region: US (United States)	
<u>S</u> tate/province:	
My State	
City/locality:	
My City	
State/province and City/locality must be complete, official names and may not contain abbreviations.	
< <u>B</u> ack <u>N</u> ext > Cancel	

• Enter your **country**, **state** and **city**. Click **Next**.

IIS Certificate Wizard	×
Certificate Request File Name Your certificate request is saved as a text file with the file name you specify.	
Enter a file name for the certificate request.	
<u>File name:</u>	
c:\certreq.txt	Browse
< <u>B</u> ack <u>N</u> ext >	Cancel

• Enter a filename and location to save your CSR. You will need this CSR to enroll for your IIS SSL Certificate. Click **Next**.

			V	
Certificate Wizard equest File Summary You have chosen to gene	erate a request file.		×	
To generate the following	request, click Next.			
File name: c:\certreq.txt				
Your request contains the	following information:			
Issued To Friendly Name Country/Region State / Province City Organization Organizational Unit	www.mydomainname.com Your Company Name US My State My City Your Company Name Web			
	< <u>B</u> ack	<u>N</u> ext >	Cancel	

• Check the details you have entered. If you have made a mistake click **Back** and amend the details. Be especially sure to check the domain name the Certificate is to be "Issued To". Your IIS SSL Certificate will only work on this domain. Click **Next** when the details are absolutely correct.

• Make sure you include the following header and footer to the beginning and end of the CSR

-----BEGIN CERTIFICATE REQUEST-----

~CSR content~

-----END CERTIFICATE REQUEST-----

• Then save as .txt file

To save your private key:

- Go to: **Certificates** snap in the MMC
- Select Requests
- Select All tasks
- Select Export

We recommend that you make a note of your password and backup your key, as only you know these, so if you loose them we can't help! A floppy diskette or other removable media is recommended for your backup files.