IIS 5-6 Web Server CSR Creation and Installation

How to generate a CSR in IIS 5.x or 6.x Web Server

1. From the Administrative Tools in the Control Panel, run Internet Information Services.

Internet Information Services		
<u>File Action View H</u> elp		
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Internet Information Services	Name	Path 🔺
CRL-HOME (local computer)	IISHelp tsweb	c:\windows\help\iishelp C:\WINDOWS\web\tswe C:\Program Files\Commc C:\WINDOWS\web\print

2. Right-click on the website you are securing, and select Properties. Click on the Directory Security tab, and hit the Server Certificate button.

Web Site		ISAPI Filters	Home Directory	Documents
Directory Sec	curity	HTTP Headers	Custom Errors	Server Extensions
Anonymous	access	and authentication c	ontrol	
14	Enable	e anonymous access	and edit the	
Ś	auther	ntication methods for 1	nis resource.	Edit
-IP address	and don	nain name restrictions		
	Grant IP. add	or deny access to thi tresses or internet dor	s resource using	
B	11 544			
				Edjt
Secure com	munica	tions		
	enable	e client certificates wh	tions and sen this	erver Certificate
400	resour	ce is accessed.		√iew Certificate
			_	E alte
				6 <u>9</u> 00

3. Click next. Choose 'Create a new certificate' and hit next.

If you are renewing an existing certificate, you will instead see the option to Renew, Remove, or Replace your certificate. Choose the option to Renew and skip over steps 5-8.



4. Choose 'Prepare the request now, but send it later' and hit next.

IIS Cert Delay Yo imr	ificate Wizard ad or Immediate Request u can prepare a request to be sent later, or you can send one mediately.
Do	you want to prepare a certificate request to be sent later, or do you want to send it nediately to an online certification authority?
c	Send the request immediately to an online certification authority
	< <u>B</u> ack <u>N</u> ext > Cancel

5. Enter a name for the certificate that you can identify on your server. Choose a bit-length of 2048. Leave the other boxes un-checked.

D certaincate ina	zard		×
Name and Secu Your new certif	rity Settings ficate must have a r	name and a specific bit length.	
Type a name fo remember. Name:	or the new certificat	te. The name should be easy for you to	refer to and
Your Company The bit length The greater the decrease perfo Bit lengt <u>h</u> :	r Name of the encryption ke bit length, the stro imance. 2048 ed Cryptography (S	ey determines the certificate's encryption inger the security. However, a greater l GC) certificate (for export versions only)	n strength. bit length may
Server Gat			

6. Enter the full legal name of your company. Enter a department such as 'Security' or 'IT' in the organizational unit.

IIS Certificate	Wizard			×
Organization Your certifi distinguish	Information cate must include info es it from other organiz	ormation about your or zations.	ganization that	
Select or ty legal name For further Organizatio	pe your organization's of your organization a information, consult co on:	s name and your orga and the name of your ertification authority's	nizational unit. This is division or departmeni Web site.	typically the t.
Your Com	pany Name		•	
Organizatio	onal <u>u</u> nit:			
Web			•	
		< <u>B</u> ack	: <u>N</u> ext >	Cancel

7. Enter the fully qualified domain name of your site (ex: www.yourdomain.com)

ur Site's Common Name				-
Your Web site's common nam	ne is its fully qua	lified domain	name.	
Type the common name for y name. If the server is on the in name.	our site. If the s ntranet, you ma	erver is on the y prefer to use	the computer	a valid DNS s NetBIOS
If the common name changes	s, vou will need	to obtain a ne	w certificate.	
Common name:				
www.mydomainname.com				
,				
,				
,				
,				
,				
,		< Paula	Next	1

8. Enter the location of your organization: Country, State, and City.

15 Certificate Wizard		×
Geographical Information The certification authority requires the	ne following geographical information.	
Country/Region:		
US (United States)		
State/province:		
My State		•
City/locality:		
My City		•
State/province and City/locality mus abbreviations.	st be complete, official names and may not	t contain
	< <u>B</u> ack <u>N</u> ext >	Cancel

9. Choose a file name and a location to save your SSL Certificate Signing Request (CSR). The file should be saved as a text file (.txt)

atificate Request File Name	
Your certificate request is saved as a text file with the specify.	ne file name you
Enter a file name for the certificate request.	
<u>File name:</u>	
c:\certreq.bt	Browse
- D-	ale Martin Canad

10. Click next to generate the file.

S Certificate Wizard		×
You have chosen to gene	rate a request file.	
To generate the following	request, click Next.	
File name: c:\certreq.bt		
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

11. Please send the CSR file to us for our process.

** Important ** - When you have completed the steps above a "pending request" will be created on your website. This "pending request" MUST NOT BE DELETED. Later, when your certificate is issued, you must install the certificate to this exact pending request or the certificate will not be functional.

How to install your SSL Certificate to your IIS 5 & 6

Install your Certificate:

- 1. Open the ZIP file containing your certificate and copy the file named your_domain_name.cer to the desktop of the web server you are securing.
- Go to your Administrative Tools, and Open the Internet Services Manager. Right-Click on the Default Website or the website that the CSR was created on and select Properties. The certificate will only be able to be installed on the same website that you created the CSR on.



3. Go to the Directory Security panel. Click on the "Server Certificate..." button. This will start the certificate wizard. Click "Next".

Web Site	ISAPI Filters	Home Directory	Documents
Directory Securit	ty HTTP Headers	Custom Errors	Server Extensions
Anonymous ac	cess and authentication (control	
A L E	nable anonymous access	and edit the	
a design a	uthentication methods for	this resource.	Edit
-IP address and	domain name restriction	\$	
	irant or deny access to th	is resource using	
	dudiesses of internet do	indin nomes.	
			Edjt
Secure commu	inications		
R R	lequire secure communicates w	ations and Ser	ver Certificate
re	esource is accessed.	Vi	ew Certificate
			err beimiesten.
		Second and	Edit

4. Choose to **Process the pending request and install the certificate** and click Next.

Certificate Wizard	<u>></u>
A pending Certificate Request A pending certificate request is a request to which the authority has not yet responded.	e certification
A certificate request is pending. What would you like t	to do?
Process the pending request and install the certific	cate
 Reiere nie heiming rednesr 	

5. "Browse" for your SSL Certificate. Locate your_domain_name.cer, then Click Next. Follow the rest of the wizard steps until finished.

Test your certificate

The best way to test your certificate using a browser is to visit its secure URL with a browser other than Internet Explorer. We recommend this because Internet Explorer is able to verify your site is trusted with or without the intermediate certificate, but most other browsers cannot do this. If other browsers complain about your site not being trusted, but Internet Explorer does not, then you most likely need to install the intermediate certificate (instructions below).

Note for ISA users: If you are using ISA 2004 or 2006 and your server is not sending the intermediate certificate, you need to fully reboot your server. We have confirmed this to be true with many customers: ISA server will not properly send the intermedate certificate chain until after a full reboot.

If you notice that the server continues to use an old certificate or the server will not load https at all then you may need to shutdown and restart the server.

Backup the certificate and private key (Recommended)

It is always good to keep a backup of your certificate and private key in case your server crashes. You must backup your certificate from your server in order to include a backup of your private key. The private key is not included in your certificate files, and the certificate is not functional without the private key.

To backup your SSL Certificate and private key, we recommend you refer to our PFX export instructions or help backing up your certificates and private key as a .pfx file.

Import the Intermediate Certificate (Not required for most installations)

Because the Intermediate Certificate is built into your_domain_name.cer, this step should not be necessary for most installations. When the certificate is correctly installed to your server browsers will not display any certificate warnings whatsoever. However, if your clients are getting a warning stating that the certificate was issued by a company that you have not chosen to trust, then the following procedure will fix that problem.

- 1. Save the IntermediateCA.crt to your desktop.
- 2. Double-click the certificate. This will open the certificate to view.
- 3. At the bottom of the General tab, click the "Install Certificate..." button. This will start the certificate import wizard. Click "Next".
- 4. Choose to "Place all certificates in the following store", and click "Browse".

Certificate Import Wizard	\mathbf{X}
Certificate Store Certificate stores are system areas where certificates are kept.	
Windows can automatically select a certificate store, or you can specify a location for O Automatically select the certificate store based on the type of certificate	
Place all certificates in the following store Certificate store: Browse	
< Back Next > Cancel	

5. First, click the "Show physical stores" box, then expand the Intermediate Certification Authorities folder, select the underlying Local Computer folder, and click ok. Hit "Next", then "Finish"

Select Certificate Store	
Select the certificate store you want to use.	
🕀 🛄 Enterprise Trust	^
😑 🧰 Intermediate Certification Authorities	
- Registry	
Group Policy	
local Computer	
The second composed	~
Show physical stores	
OK Cancel	

6. Your intermediate certificate is now installed. You may need to restart your server.