

Get an SSL Certificate Installed on Your Website

I got started on this subject after learning that Facebook, starting October 1, 2011, is going to require secure links to your webpages, images, etc. That is, when Facebook users have Secure Browsing turned on. (Millions already DO have it turned on.) If your stuff is not accessible with https:// then those Millions of Facebook users will not see it.

So the Question is:

How do I get my webpages, images, .css files and other stuff on my website accessible using https: ?

In order to do that you must have an **SSL Certificate** installed on your website.

In researching the subject I did discover some proposed ways that might be workarounds, some of them getting support and most being objected to or criticized by others. So for a modest investment, it seemed to me that getting an SSL Certificate was the better way to go.

The steps are basically, pretty simple:

- Buy an SSL Certificate from a Certification Authority.
- Submit information about yourself, your company and your website.
- Certification Authority (CA) approves your Certificate and notifies you to download it.
- You install it or have it installed on your website.
- That's it, you're done.

Buy your SSL Certificate.

(I got mine from GoDaddy thru my own Domain Reseller Account) for \$29.99. At the time, I checked GoDaddy's site and their SSL Certificate was listed there for \$69.99/year.

Note: GoDaddy has their SSL at a Special Sale as I write this (Sept, 2011) for \$12.99, so get it there if the sale is still on.

http://www.godaddy.com/Compare/gdcompare_ssl.aspx

I ordered my certificate at 3:30 PM and got a letter that the certificate was issued the next morning at about 9:30AM – 18 hours later.

The link to my Reseller account is: <http://go-domainnames.com> which will be a better price if GoDaddy's sale price expires. It costs \$29/year there.

Who Are You Hosting With Now?

If your current host is **HostGator** which is very well know and very well advertised they will install the Certificate for you for a \$10 fee. So you may still need to get your hosting setup on a dedicated IP. Just tell HostGator that you want to setup for secure hosting and that you want them to install a third-party certificate for you and that you need a dedicate IP for that purpose. They should do the rest for you.

If your current host is JustHost, then tell them that you want to setup secure hosting and need a dedicated IP address for that reason. Then follow the instructions below for installing the Certificate on your JustHost hosting.

If you have cPanel hosting from another provider, contact their support and find out what you have to do to setup an SSL Certificate with them. If what they require seems too much, you may be better off getting hosting with either JustHost or HostGator.

If you get hosting from either of these, please you my affiliate links on the next page and I will help you if you run into a problem.

Email me: john@internet-local.com

Get Website Hosting

GoDaddy is great for SSL Certificate and Domainnames but

Do not get GoDaddy's Hosting. Their hosting is proprietary making it different from most hosting.

cPanel hosting from JustHost is much easier to work with and is more popular.

If you need hosting JustHost is the one that I recommend:



Pick the Hosting package that you feel fits your needs.

So that hosting for a year: \$53.40

Dedicated IP for a year: \$19.99 - Remember to order this from JustHost also

GoDaddy Certificate: \$12.99

Total Yearly Cost is \$86.38 or only \$7.19/month.

Check that you can get to your cPanel

You will get an email with information about your hosting account, your login information, and how to login to your cPanel control panel. If you need a refresher on this process Look Here: [Setup a Website in a Weekend](#)

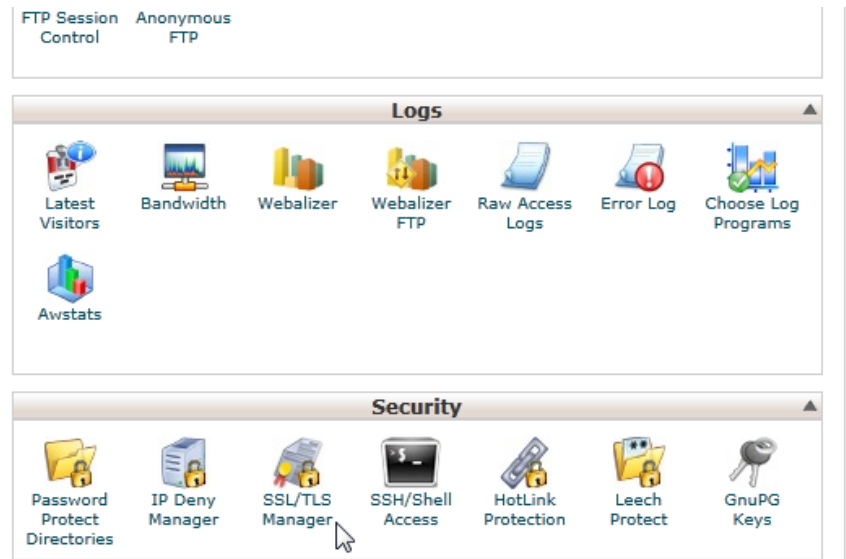
Now, you are going to work back and forth from GoDaddy and your cPanel control panel for the domain you are setting up for SSL.

Your domain should be on a Dedicated IP address. JustHost charges \$19.95/year for this.

For me, on JustHost.com my cPanel display changed once my domain had its own IP address. This page is the same, but after you click the SSL/TLS Manager icon the next page is different having another Link added.

login to your cPanel for the domain that you are installing the SSL certificate on.

Click the SSL/TLS Manager



Then you get this page:



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SSL/TLS Manager

The SSL/TLS Manager will allow you to generate ssl certificates, signing requests, and keys. These are all parts of using SSL to secure your website. SSL allows you to secure pages on your site so that information such as logins, credit card numbers, etc are sent encrypted instead of plain text. It is important to secure your site's login areas, shopping areas, and other pages where sensitive information could be sent over the web.

Private Keys (KEY)

Generate, view, upload, or delete your private keys.

Certificate Signing Requests (CSR)

Generate, view, or delete SSL certificate signing requests.

This selection does NOT appear unless you have the domain on its own dedicated IP address.

Certificates (CRT)

Generate, view, upload, or delete SSL certificates.

The steps are performed in order from top to bottom.

Activate SSL on Your Web Site (HTTPS)

Setup a SSL certificate to work with your site.



Create a Private Key

This is the first step but it is at the bottom.

The first step to installing an SSL certificate is to create a private key file to be used with your SSL certificate.

Please note that this private key file must be used with the specific SSL certificate it is for. This private key is secret and should not be given out. Also, there is no way to recover a private key file if it is lost.

Keys on Server

HOST	FUNCTIONS
There are no keys on the server.	

* Removing a key will remove the Certificate Signing Request (CSR) and Certificate (CRT) if it exists.

Upload a New Key

Domain the key is for:

Paste the key below:

**select the domain from dropdown and set Key size to 2048
(from GoDaddy's instructions)**

or

Choose a .key file:

Generate a New Key

Host: or

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Keys on Server

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Upload a New Key

Domain the key is for:

Paste the key below:

select the domain from dropdown and set Key size to 2048
(from GoDaddy's instructions)

or
Choose a .key file:

Generate a New Key

Host or Key Size:

[← Return to SSL Manager](#)

Generate Certificate Signing Request (CSR)

HOME ? HELP LOGOUT

cPanel Accelerated₂

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SSL Certificate Signing Request

If you are obtaining a certificate from a trusted SSL provider, you must complete the Signing Request form to provide the information needed to generate your SSL certificate.

Please note that your SSL provider may require your information in a specific way. Please check their required CSR information for the Apache web server.

Certificate Signing Requests on Server

HOST	FUNCTIONS
There are no Certificate Signing Requests on the server	

Generate a New Certificate Signing Request

Host ▼

Country ✓

State ✓

City ✓

Company ✓

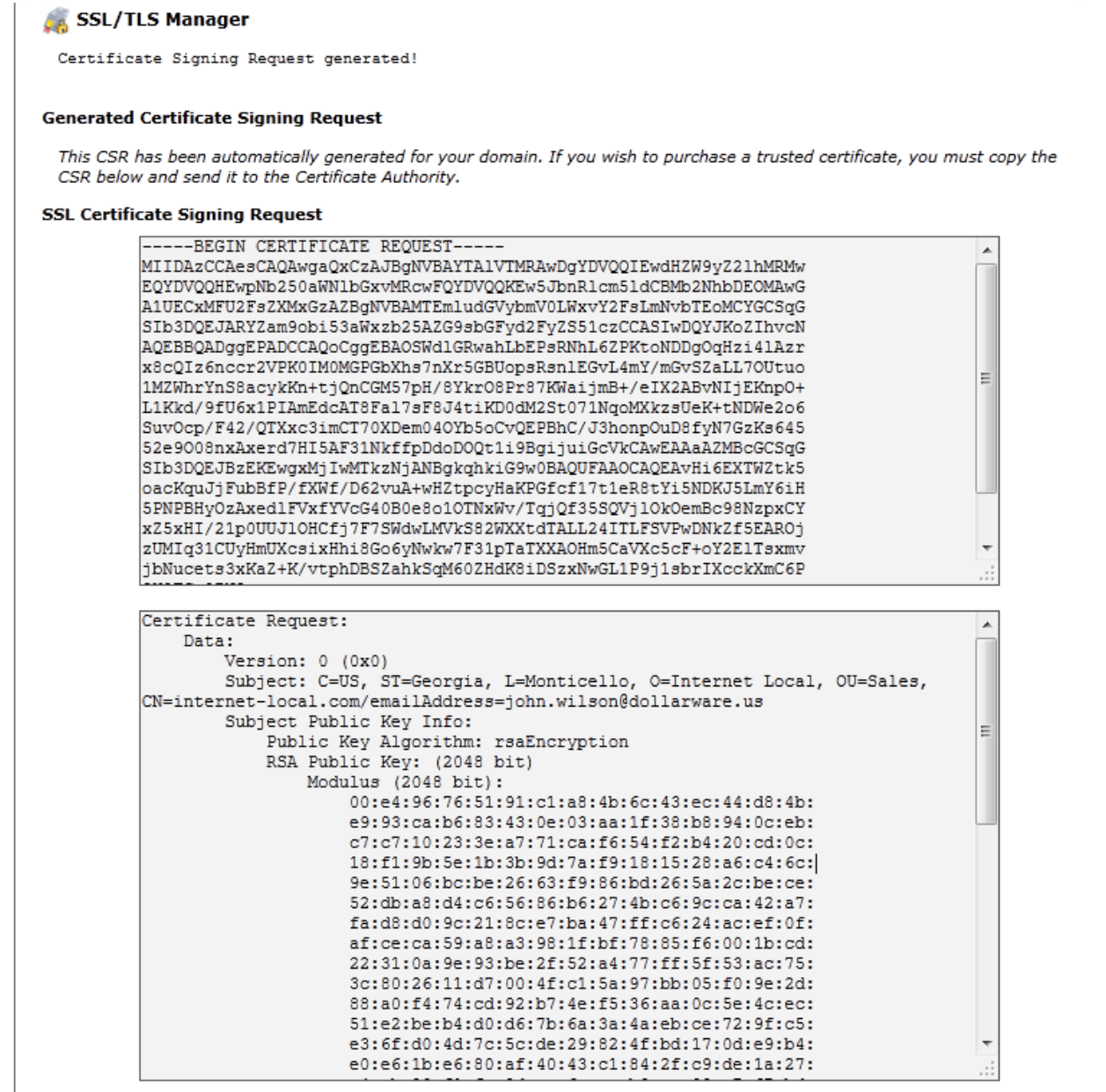
Company Division ✓

Email ✓

Pass Phrase ✓

* You must generate or upload a key before you can generate any certificate signing requests.

Copy the CSR – You have to paste it into a block where you bought the Certificate



SSL/TLS Manager
Certificate Signing Request generated!

Generated Certificate Signing Request

This CSR has been automatically generated for your domain. If you wish to purchase a trusted certificate, you must copy the CSR below and send it to the Certificate Authority.

SSL Certificate Signing Request

```
-----BEGIN CERTIFICATE REQUEST-----
MIIDAzCCAesCAQAwgaxCzAJBgNVBAYTA1VTMRAwDgYDVQQIEwdHZW9yZ21hMRMw
EQYDVQQHEwpNb250aWNlbGxvMRcwFQYDVQQKEw5JbnR1cm5ldCBMb2NhbDEOMAwG
A1UECXMfU2FsZXNkZm9udGVybmV0LWxvY2FsLmNvbTEoMjY5MjY5MjY5MjY5MjY5
S1B3DQEJARYZam9obi53aWxzbn25AZG9sbGFyd2FyZS51czCCASIwDQYJKoZIhvcN
AQEBBQADggEPADCCAQoCggEBBAOSWdlGRwahLbEPsRNhL6ZPKtoNDDgOqHz141Azr
x8cQIz6ncr2VPK0IMOMGPGbXhs7nXr5GBUopsRsnlEGvL4mY/mGvSZaLL70Utuo
1MZWhrYnS8acykKn+tjQnCGM57pH/8YkrO8Pr87KWaijmB+/eIX2ABvNIjEKnpO+
L1Kkd/9fU6x1PIAmEdcAT8Fal7sF8J4tiKD0dM2St071NqoMXkzsUeK+tNDWe2o6
SuvOcp/F42/QTXxc3imCT70XDem04OYb5oCvQEPBhC/J3honpOuD9fyN7GzKs645
52e9008nxAxerd7HI5AF31NkffpDdoDOQt1i9BgijuiGcVkcAwEAAaAZMBcGCSqG
S1B3DQEJJBzEKewgxmJlWMTkzNjANBqkqkhiG9w0BAQUFAAOCAQEAH6EXTWZtk5
oacKquJjFubBfP/fXWf/D62vuA+wHZ2tpcyHaKPGf171leR8tYi5NDKJ5LmY6iH
5PNPBHyOzAxed1FVxfYVcG40B0e8oLOTNwV/TqjQf35SQVj1OkOemBc98NzpxCY
xZ5xHI/21p0UUJ1OHCfj7F7SWdwLMVks82WXXtdTALL24ITLFSVPwDNkZf5EAROj
zUMIq31CUYHmUXcsixHhi8Go6yNkw7F31pTaTXXAOhm5CaVXc5cF+oY2E1Tsxmv
jbnucets3xKaZK/vtphDBSZahkSqM60ZhdK8iDSzxNwGL1P9j1sbrIXcckXmC6P
-----
```

Certificate Request:
Data:
Version: 0 (0x0)
Subject: C=US, ST=Georgia, L=Monticello, O=Internet Local, OU=Sales, CN=internet-local.com/emailAddress=john.wilson@dollarware.us
Subject Public Key Info:
Public Key Algorithm: rsaEncryption
RSA Public Key: (2048 bit)
Modulus (2048 bit):
00:e4:96:76:51:91:c1:a8:4b:6c:43:ec:44:d8:4b:
e9:93:ca:b6:83:43:0e:03:aa:1f:38:b8:94:0c:eb:
c7:c7:10:23:3e:a7:71:ca:f6:54:f2:b4:20:cd:0c:
18:f1:9b:5e:1b:3b:9d:7a:f9:18:15:28:a6:c4:6c:|
9e:51:06:bc:be:26:63:f9:86:bd:26:5a:2c:be:ce:
52:db:a8:d4:c6:56:86:b6:27:4b:c6:9c:ca:42:a7:
fa:d8:d0:9c:21:8c:e7:ba:47:ff:c6:24:ac:ef:0f:
af:ce:ca:59:a8:a3:98:1f:bf:78:85:f6:00:1b:cd:
22:31:0a:9e:93:be:2f:52:a4:77:ff:5f:53:ac:75:
3c:80:26:11:d7:00:4f:c1:5a:97:bb:05:f0:9e:2d:
88:a0:f4:74:cd:92:b7:4e:f5:36:aa:0c:5e:4c:ec:
51:e2:be:b4:d0:d6:7b:6a:3a:4a:eb:ce:72:9f:c5:
e3:6f:d0:4d:7c:5c:de:29:82:4f:bd:17:0d:e9:b4:
e0:e6:1b:e6:80:af:40:43:c1:84:2f:c9:de:1a:27:

Copy the Top block in the above screen. Then go to where you bought the Certificate, Login to your account,

Go to your SSL Certificate Account, login and select Manage your Certificate

The screenshot shows the Go-DomainNames.com account manager interface. At the top, there is a navigation bar with links for Home, ICANN, My Account, and FAQ. Below this is a red navigation bar with categories: Domain Names, Web Hosting, SSL Certificates, Marketing Tools, and Build a Website. The main content area is for user JOHN WILSON, with a customer number of 2227885 and a PIN of ****. There are buttons for Manage, Renew, and Upgrade. A yellow alert banner states "ALERT, You have 5 Domains Expiring". On the left, a sidebar menu includes "MY PRODUCTS" (Domain Backordering, Domains / Domain Manager, Domains By Proxy (privacy), Free Products, SSL Certificates), "MY ACCOUNT", "MY RENEWALS & UPGRADES", "SUPPORT", and "RECOMMENDED PRODUCTS". The "SSL Certificates" section is active, showing a table with columns: Certificate, Expires, Billing Date, and Control Panel. The first row lists a certificate for "internet-local.com" with an expiration date of 9/2/2012 and a billing date of 8/1/2012. A "Manage Certificate" link is visible in the Control Panel column. A red arrow points from the "SSL Certificates" link in the sidebar to the "Manage Certificate" link in the table. Another red arrow points from the "Manage Certificate" link to a "Managing Secure Certificates" panel on the right, which contains instructions on how to manage certificates and links to purchase new ones.

Certificate	Expires	Billing Date	Control Panel
<input type="checkbox"/> internet-local.com Standard (Turbo) SSL (1 Year)	9/2/2012	8/1/2012	Manage Certificate
Certificate	Expires	Billing Date	Control Panel

Managing Secure Certificates
Managing Your Secure Certificates
To view the details of a certificate, click the certificate name in the certificate list. To view or manage your existing or pending Secure Certificates, click Manage Certificate.
Initial access to the Secure Certificate manager requires log in credentials. The type of credentials you choose will determine future log in requirements.
Purchasing Secure Certificates:
[Click here to purchase a Secure Certificate](#)
[Click here to purchase a Code Signing Certificate](#)

login to your SSL account--On left side click SSL Certificates
Then click Manage Certificates link

Click the box beside the Certificate so other icons will appear.

SECURE CERTIFICATE SERVICES Welcome: 2227885 [Log Out](#)

[Manage Certificates](#) [Tools](#) [Help](#) [New Features](#) [Repository](#) [Report EV Abuse](#) [Feedback](#)

Current Certificates

Certificates Search




1 Certificates - Missing products? [Click here](#) to update your list Status: Current

Common Name	Type	Status	Expires
<input checked="" type="checkbox"/> internet-local.com	Standard SSL	Current	09/02/2012 13:37:54 GMT

You have to click in the checkbox to make the download icon and others Active

Then click the Download icon to get the zip file with your .crt files

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The above image was taken after I had already entered my CSR.

You should see a link to enter your CSR when you visit. Paste what you just copied from your cPanel control panel into the space provided for the CSR.

Then you should get feedback that your CSR has been accepted and that you will receive an email when it has been approved.

SECURE CERTIFICATE SERVICES Welcome: 2227885 [Log Out](#)

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1-year Standard SSL

Select Submit What now?

Click **Back** for corrections. To submit your certificate request, click **Next**.

Certificate Type:
Hosting: Third Party Hosting **Domain Name:** internet-local.com
Certificate Issuing Organization: Starfield Technologies

[Back](#) [Next](#) [Cancel](#)

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Then you get feedback

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1-year Standard SSL

Select Select What now?

You're through!

Your certificate will be issued shortly.

You can monitor the progress of your certificate application by going to the Pending Requests folder and clicking your Common Name. When we are through verifying your application, you will receive an email with further instructions.

[Finished](#)

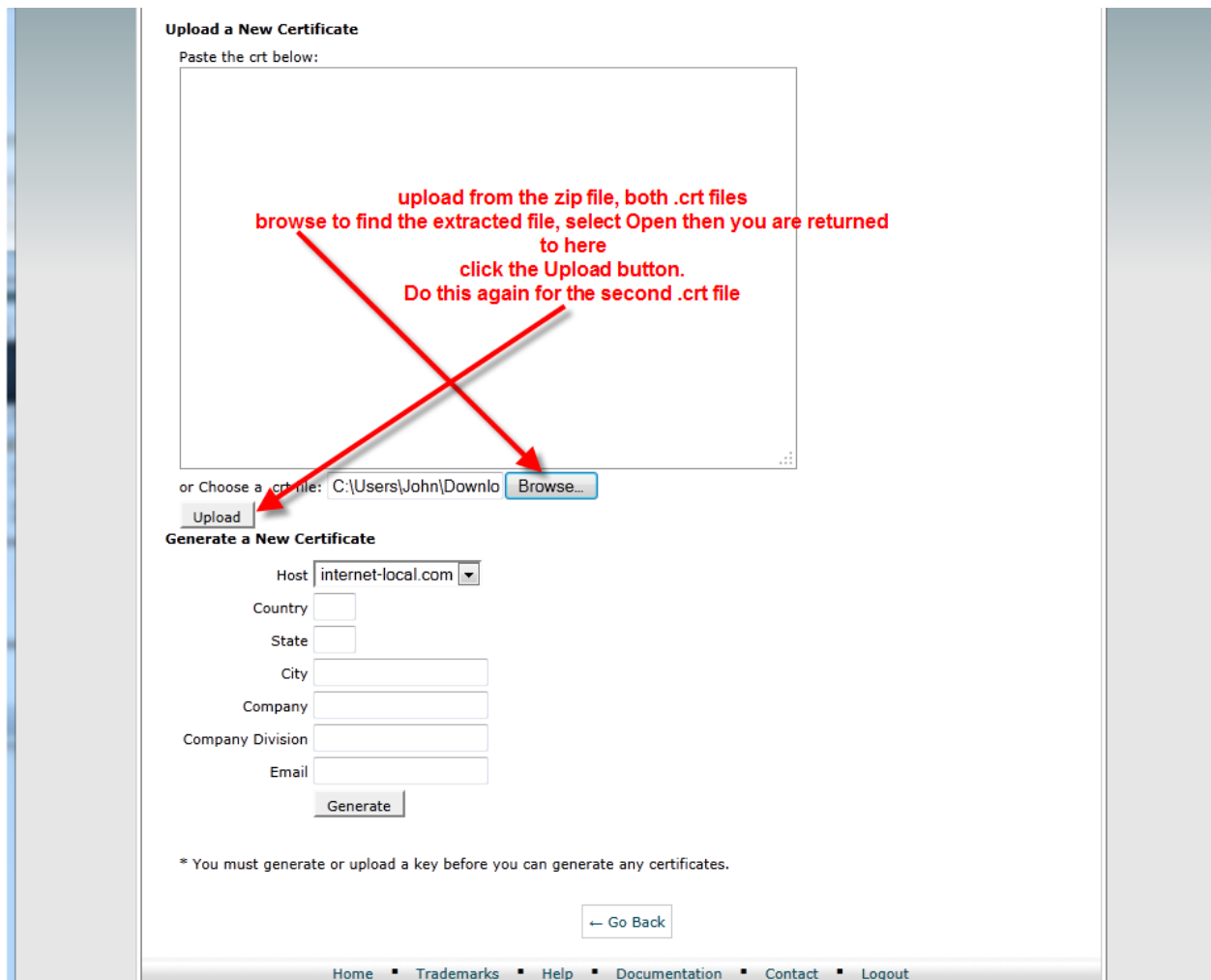
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I got my email after about 18 hours.

When You Get Your Email Approving Your SSL Certificate

After you get your email it will give you a link from which to download your Certificate. Click the link and download the Certificate to your computer as a zip file. Unzip the file and remember where it is on your computer.

Login to your cPanel and go to SSL Manager. Click the link under Certificates (CRT)



Upload a New Certificate

Paste the crt below:

**upload from the zip file, both .crt files
browse to find the extracted file, select Open then you are returned
to here
click the Upload button.
Do this again for the second .crt file**

or Choose a certificate: C:\Users\John\Downlo

Generate a New Certificate

Host

Country

State

City

Company

Company Division

Email

* You must generate or upload a key before you can generate any certificates.

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Certificates

When using SSL, you can use a self-signed certificate or a trusted certificate from an SSL provider. All SSL Certificates will need to be installed. If you are going to use a self-signed certificate, you can generate it below. If you are using a trusted certificate, after you have received the SSL certificate from your trusted provider, you will need to install it below.

Certificates on Server

HOST	ISSUER	EXPIRE DATE	FUNCTIONS
internet-local.com	Starfield	Sep 2 13:37:54 2012 GMT	Show Details Remove
starfield	Starfield	Nov 16 01:15:40 2026 GMT	Show Details Remove

both crt files show here after uploading

Upload a New Certificate

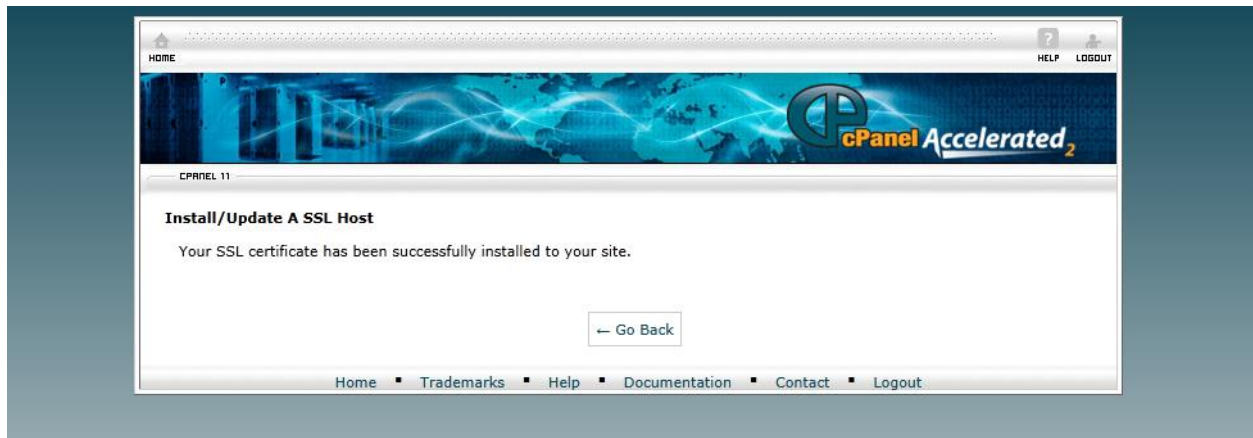
Paste the crt below:

or Choose a .crt file:

Click the Browse button and navigate to where you unzipped the zip file. Choose one .crt file and click Upload then do the same for the second .crt file.

After you upload both .crt files they will show as in the image above.

Then you should see an image like below telling you that it was successful.



Whoo hooo!!

Success!

It allows access through:

<https://internet-local.com> or

<https://www.internet-local.com>

So I am now set to use secure links in my Facebook fanpages or apps.

Notes about my learning experience with SSL:

I did have SEVERAL issues through the process which I mention now, hoping that it might help avoid or deal with a similar one. Some issues MAY require Support Requests to GoDaddy and/or to JustHost. Hopefully this document will eliminate most, if not all of these for you. Remember I did it first without knowing the steps and how to take them. You have the advantage of the information in this document so that your experience may be error free.

Before purchasing a certificate, I did some research.

Searching Google about the SSL process, I found, resulted in more confusion than help.

I read on a cPanel forum that I had to have root access to the server in order to install an SSL Certificate. My Reseller Account does NOT give me that access so I wondered if I could do it. It turned out that I COULD install it from my cPanel control panel. You will be able to do also.

You may run into the term “WHM” which is Web Host Manager. That is another control panel that you will have if you have Reseller Hosting. WHM is used to set up hosting accounts for others. You do NOT have to have WHM access to install an SSL Certificate.

I had a problem with my Internet Explorer not displaying Icon links in “Managing my Certificate”. Those Icons appeared when I used FireFox browser. It was probably some security setting on Internet Explorer. But, I had previously had similar issues with Internet Explorer.

And, of course, I had to buy a dedicated IP from JustHost (\$19.95/yr) and have JustHost support set it up for my Internet-Local.com domain. You cannot have any other domains on that IP address.

Other Resources:

If you happen to be starting with your first domain or need a refresher I created some help at:

[Setup a Website in a Weekend](#) – or maybe just an afternoon!

[Help Local Consumers Find Your Local Business](#) –Internet-Local.com

You can also use WordPress to create a blog on your website or to create the entire website. [Learn How to Use WordPress 3.2 Videos](#) - just Register at the blog.

An Alternate Hosting Company

HostGator has a Business Package which includes a dedicated IP and an SSL Certificate for \$11.96/month and is the next best choice for a cost of \$143.52 per year.

You get it for less money out-of-pocket now, but JustHost is 40% less on a yearly basis.

Should you elect HostGator, get it from this link which will help me but cost you no more than any other way. Then email me if you need help.

john@internet-local.com



Thanks for your time reading this ebook.

I sincerely hope that it has helped you.

John Wilson