

HOW TO INSTALL AN SSL (Secure Socket Layer) on your Website

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- What it is
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- How to get/install a free ssl certificate from <https://www.sslforfree.com/>

What is an SSL Certificate?

SSL stands for Secure Sockets Layer, a global standard security technology that enables encrypted communication between a web browser and a web server. It is utilized by millions of online businesses and individuals to decrease the risk of sensitive information (e.g., credit card numbers, usernames, passwords, emails, etc.) from being stolen or tampered with by hackers and identity thieves. In essence, SSL allows for a private “conversation” just between the two intended parties.

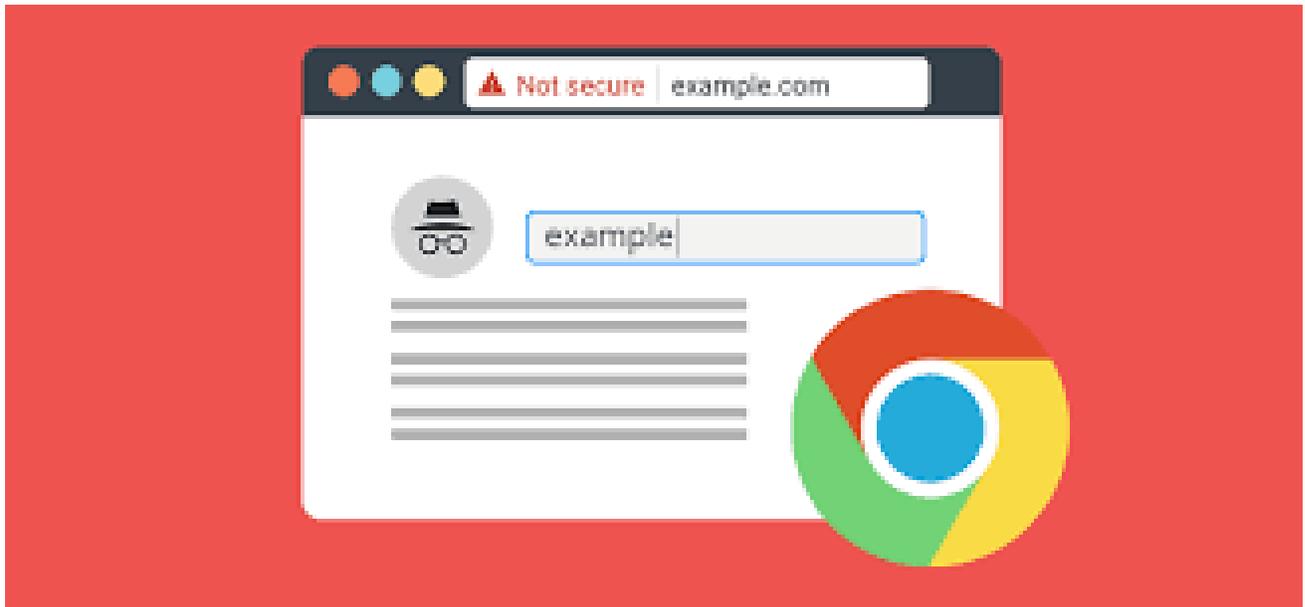
To create this secure connection, an **SSL certificate** (also referred to as a “digital certificate”) is installed on a web server and serves two functions:

- It authenticates the identity of the website (this guarantees visitors that they’re not on a bogus site)
- It encrypts the data that’s being transmitted

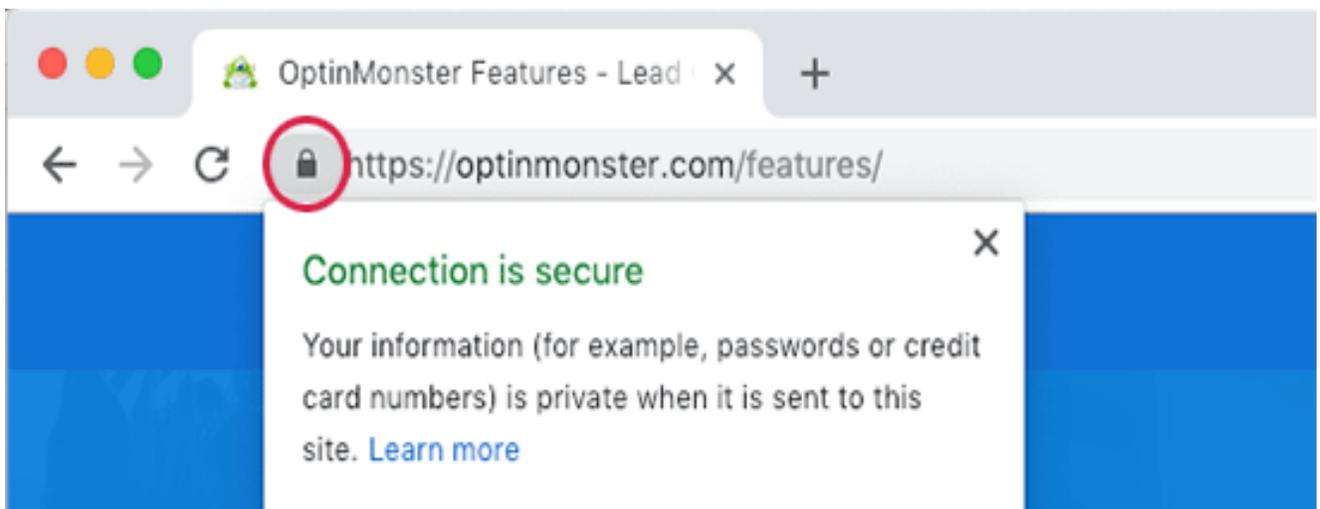
HTTPS: Most crucially for businesses, an SSL certificate is necessary for an HTTPS web address. HTTPS is the secure form of HTTP, and HTTPS websites are websites that have their traffic encrypted by SSL/TLS.

In addition to securing user data in transit, HTTPS makes sites more trustworthy from a user's perspective. Many users won't notice the difference between an http:// and an https:// web address, but most browsers have started tagging HTTP sites as "not secure" in more noticeable ways, attempting to provide incentive for switching to HTTPS and increasing security.

An example of a HTTP Website -



A Secured Website -



Why you need it on your Website

SSL / HTTPS is recommended for all websites on the internet. However, it is absolutely required for all websites that collect user information like login details, payment information, credit cards, and more.

If you are running an e-commerce store, a membership website, or require users to login, then you need to get an SSL certificate right away.

Most online payment services require your website to use SSL/HTTPs before you can receive payments.

Apart from security, SSL certificate also creates a positive impression of your brand among your users. Google also recommends using SSL, and research shows that SSL-enabled websites rank slightly higher in search results.

Last but not least, if your website is not using an SSL certificate, then Google Chrome will show your users that your website is not secure.



Steps –

- Make sure you have your cPanel Login Details
- Make sure you have your Wordpress Admin Login Details
- Register an account on <https://www.sslforfree.com/>

LETS GET STARTED WITH THE INSTALLATION

- ✓ We need to log into our cPanel – There are about 3 ways to Log into our cPanel Account.

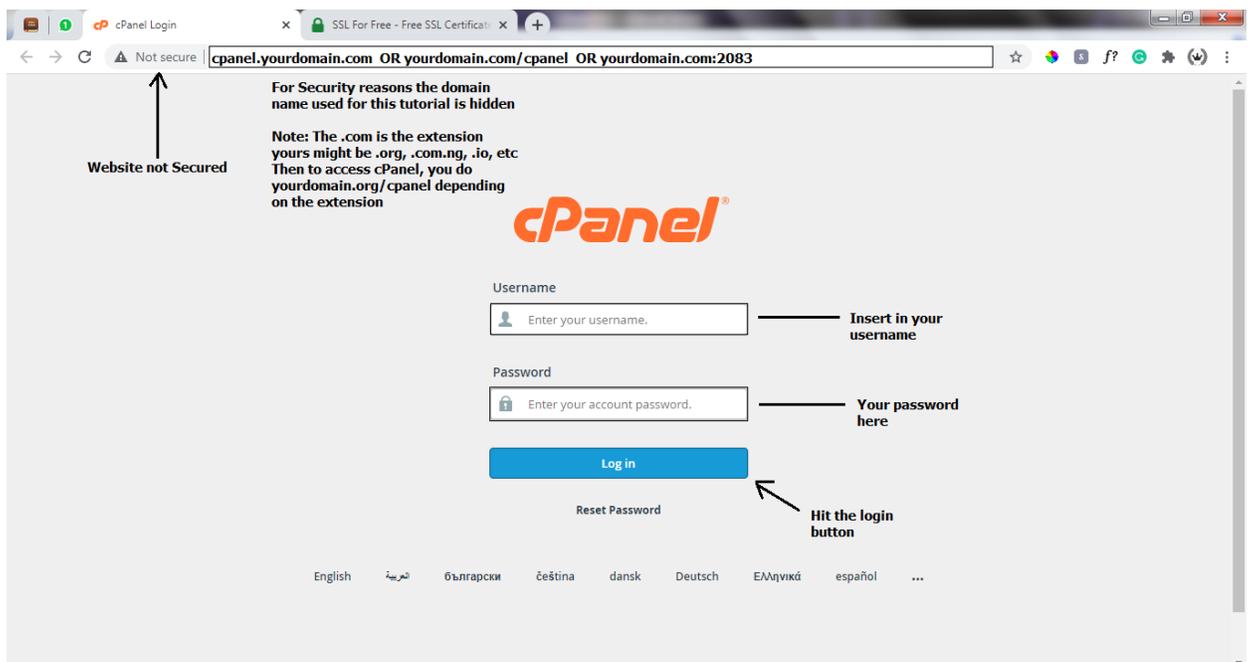
On your browser -

-- Visit `yourdomain.com/cpanel` or,

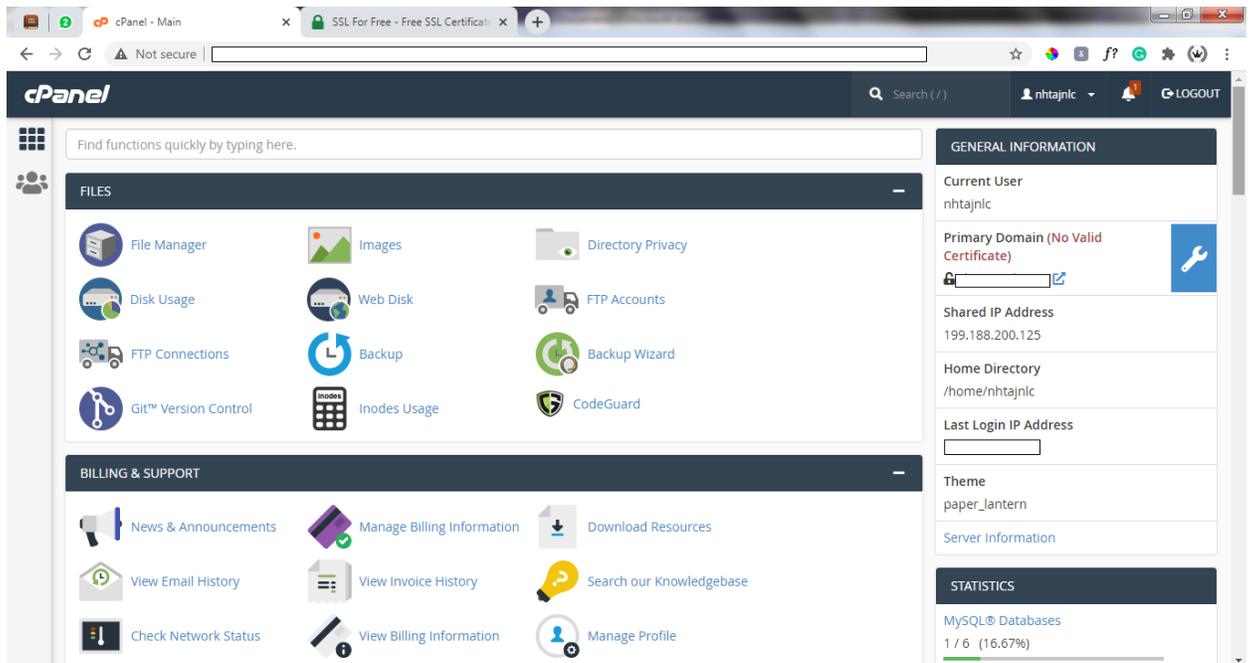
-- `cpanel.yourdomain.com`

-- `yourdomain:2083`

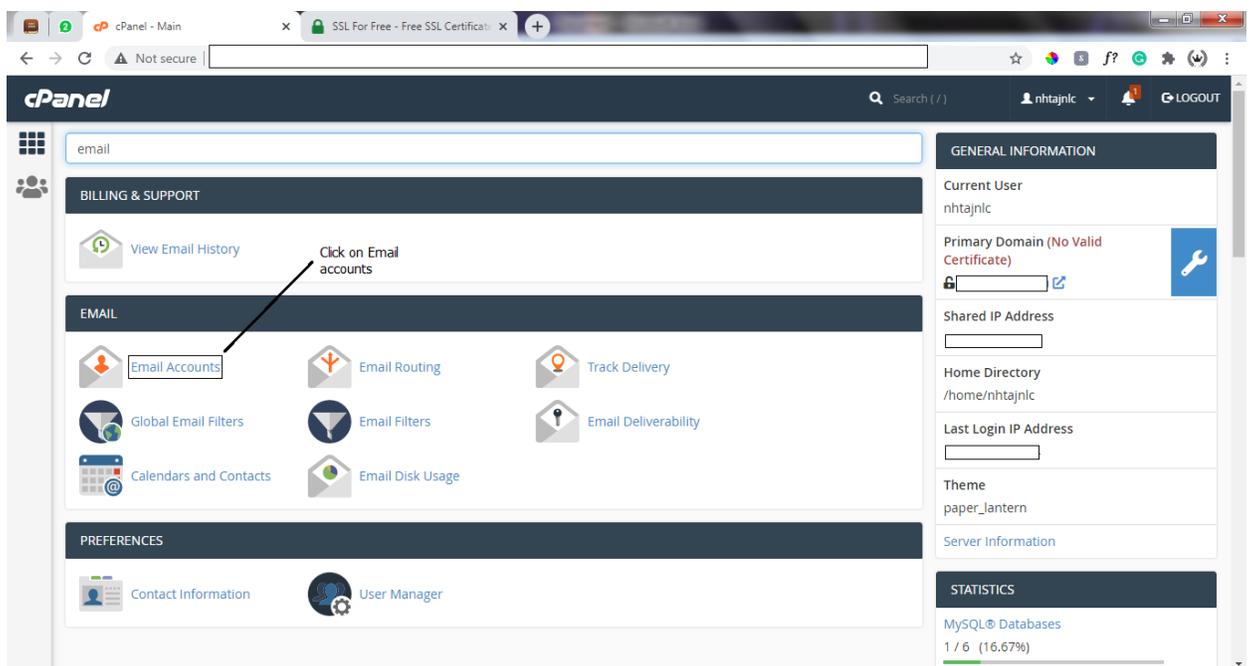
Any one you use will bring you to the login Screenl, there you can fill in your username and password and hit the login button



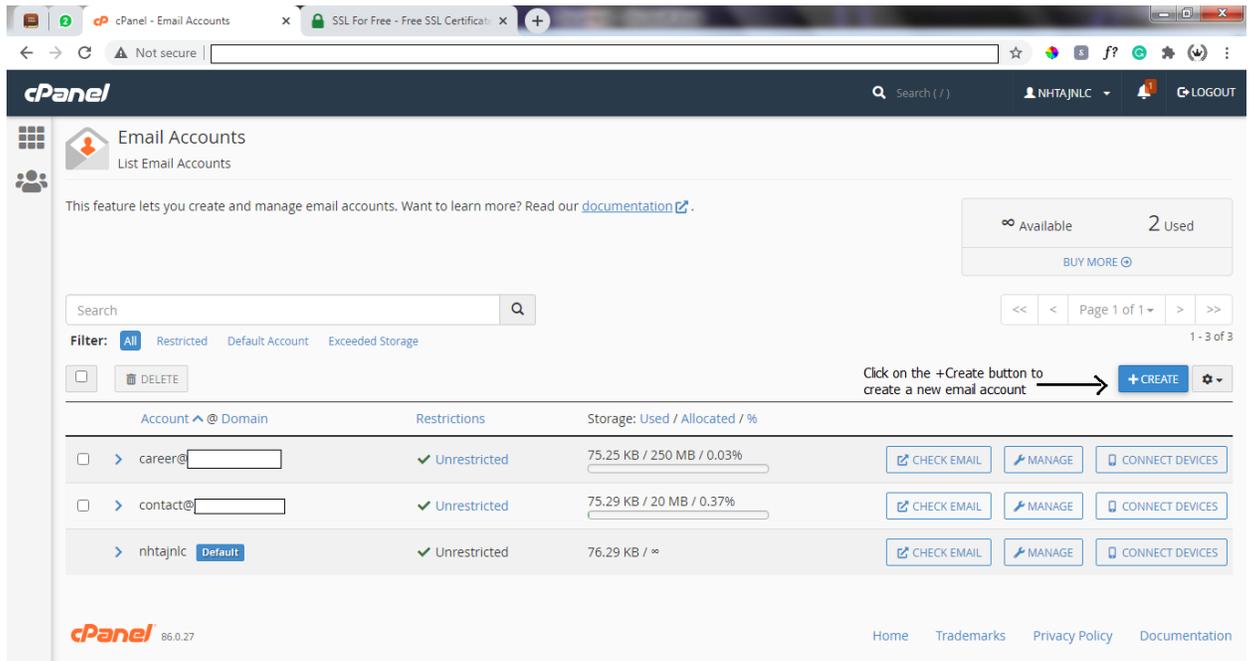
If successful, You get a screen like this --> Below



- ✓ Next, we need an admin email – admin@yourdomain.com. We will create that from our control panel (cPanel)
 - From the dashboard – Search for email and click on email account from the list of options that comes after search



when Clicked, we get to a screen like this (Below), There we can create professional emails (Also, Follow the on screen guide in the Screenshot)



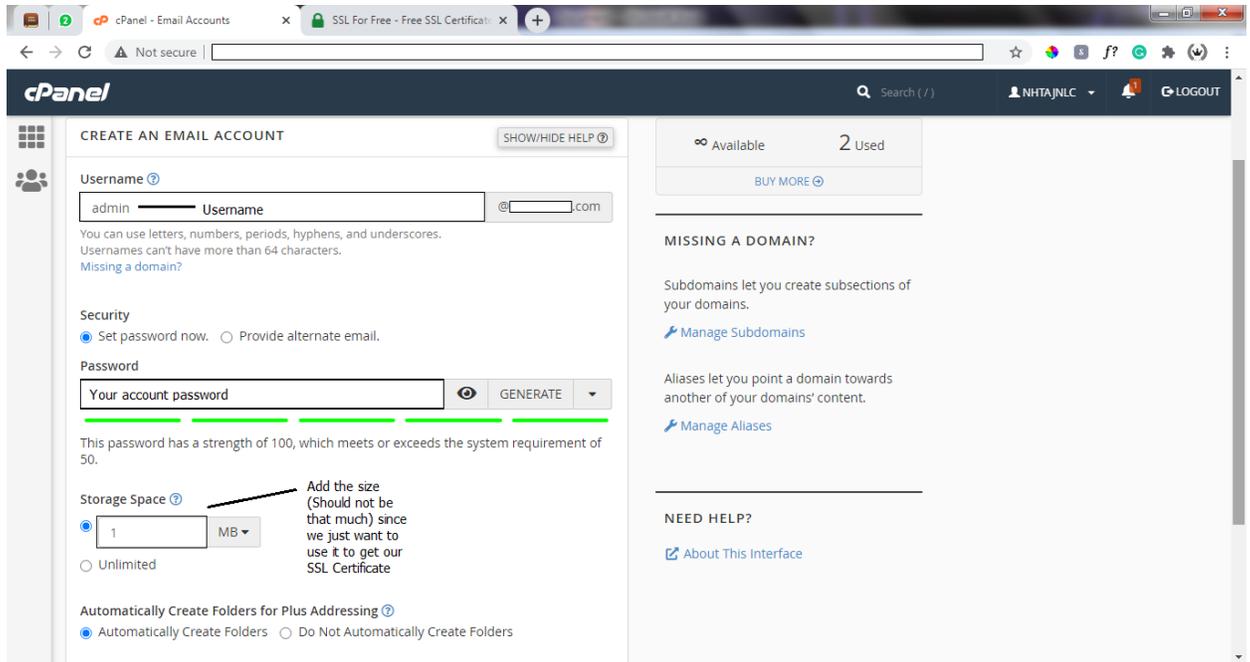
The screenshot shows the cPanel interface for managing email accounts. The page title is "Email Accounts" and the subtitle is "List Email Accounts". A summary box indicates "∞ Available" and "2 Used" accounts, with a "BUY MORE" link. Below this is a search bar and a filter menu with options: "All", "Restricted", "Default Account", and "Exceeded Storage". A "DELETE" button is visible. A table lists the existing email accounts:

Account @ Domain	Restrictions	Storage: Used / Allocated / %	Actions
<input type="checkbox"/> > career@	✓ Unrestricted	75.25 KB / 250 MB / 0.03%	CHECK EMAIL, MANAGE, CONNECT DEVICES
<input type="checkbox"/> > contact@	✓ Unrestricted	75.29 KB / 20 MB / 0.37%	CHECK EMAIL, MANAGE, CONNECT DEVICES
> nhtajnlc Default	✓ Unrestricted	76.29 KB / ∞	CHECK EMAIL, MANAGE, CONNECT DEVICES

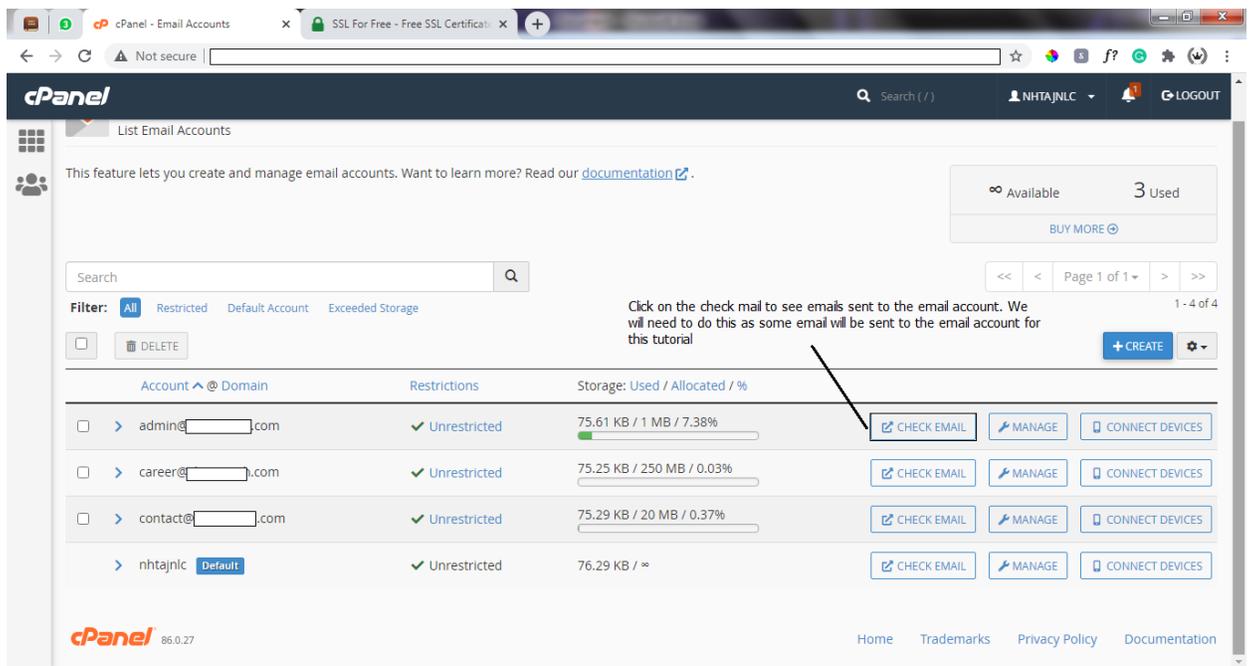
At the bottom right of the table area, there is a "+CREATE" button. An arrow points to this button with the text: "Click on the +Create button to create a new email account". The cPanel logo and version "86.0.27" are at the bottom left, and navigation links (Home, Trademarks, Privacy Policy, Documentation) are at the bottom right.

After Clicking on the Create button, We get to a page where we can create the email we will use

Note: You are to Create admin@yourdomain.com



Scroll down and click on the create Button Below. Then we will be redirected to a page with all emails we have created, We can then check email account of the new email we just created.



When the check mail button Is clicked we will be redirected to the

email account. But most at times there are little challenges we might face

-- We might see a screen like this (Below)



Your connection is not private

Attackers might be trying to steal your information from [www\[redacted\].com](#) (for example, passwords, messages, or credit cards). [Learn more](#)

NET::ERR_CERT_COMMON_NAME_INVALID

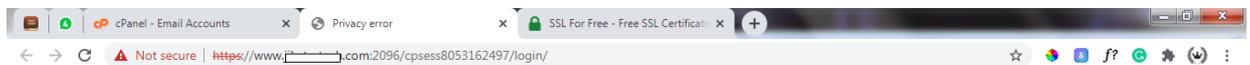
Help improve security on the web for everyone by sending [URLs of some pages you visit, limited system information, and some page content](#) to Google. [Privacy policy](#)

Advanced

When you see a screen like this, Simply Click on the advanced button and follow on screen instructions

Back to safety

Click on the Advanced Button and follow the Infographic Below



Your connection is not private

Attackers might be trying to steal your information from [www\[redacted\].com](#) (for example, passwords, messages, or credit cards). [Learn more](#)

NET::ERR_CERT_COMMON_NAME_INVALID

Help improve security on the web for everyone by sending [URLs of some pages you visit, limited system information, and some page content](#) to Google. [Privacy policy](#)

Hide advanced

Back to safety

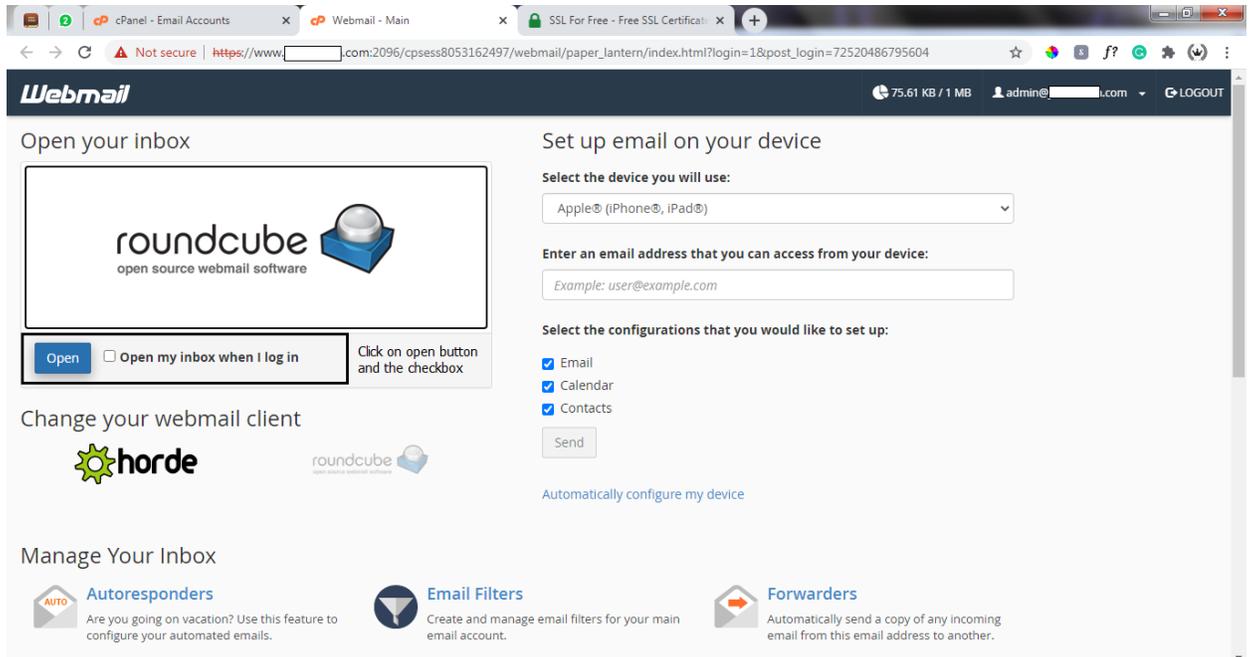
This server could not prove that it is [www\[redacted\].com](#); its security certificate is from ***.registrar-servers.com**. This may be caused by a misconfiguration or an attacker intercepting your connection.

Proceed to [www\[redacted\].com \(unsafe\)](#)

Click on the Proceed to unsafe

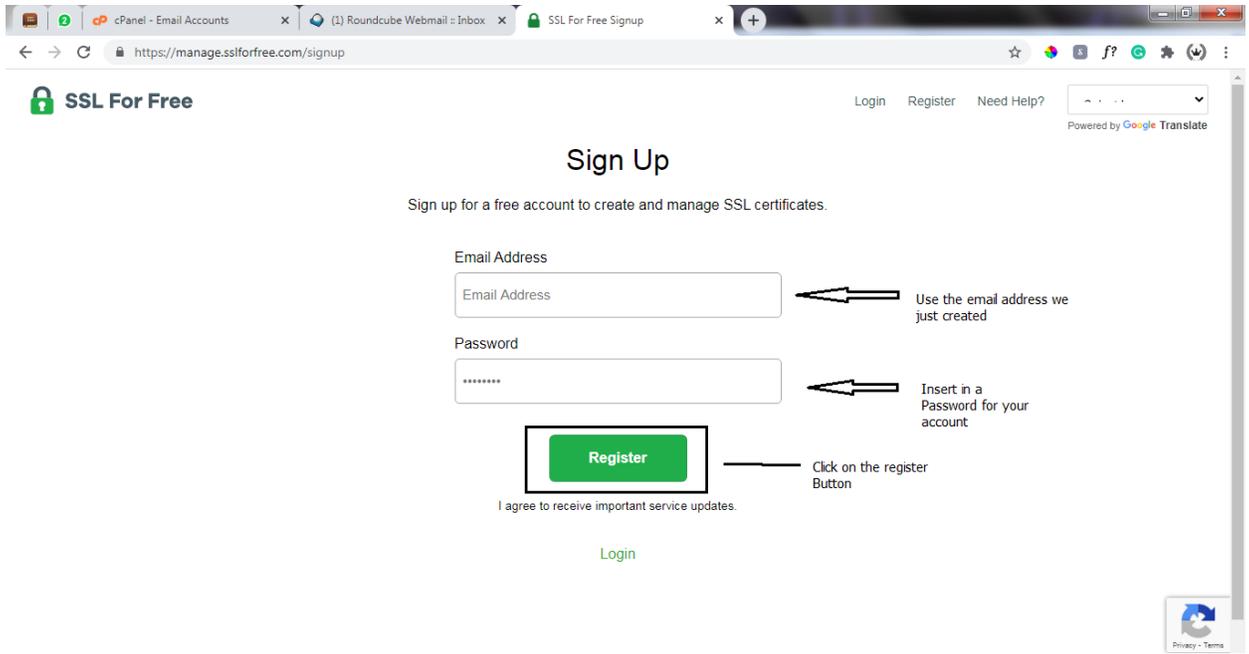
Website url is hidden for security purposes

When clicked we can follow in screen instructions

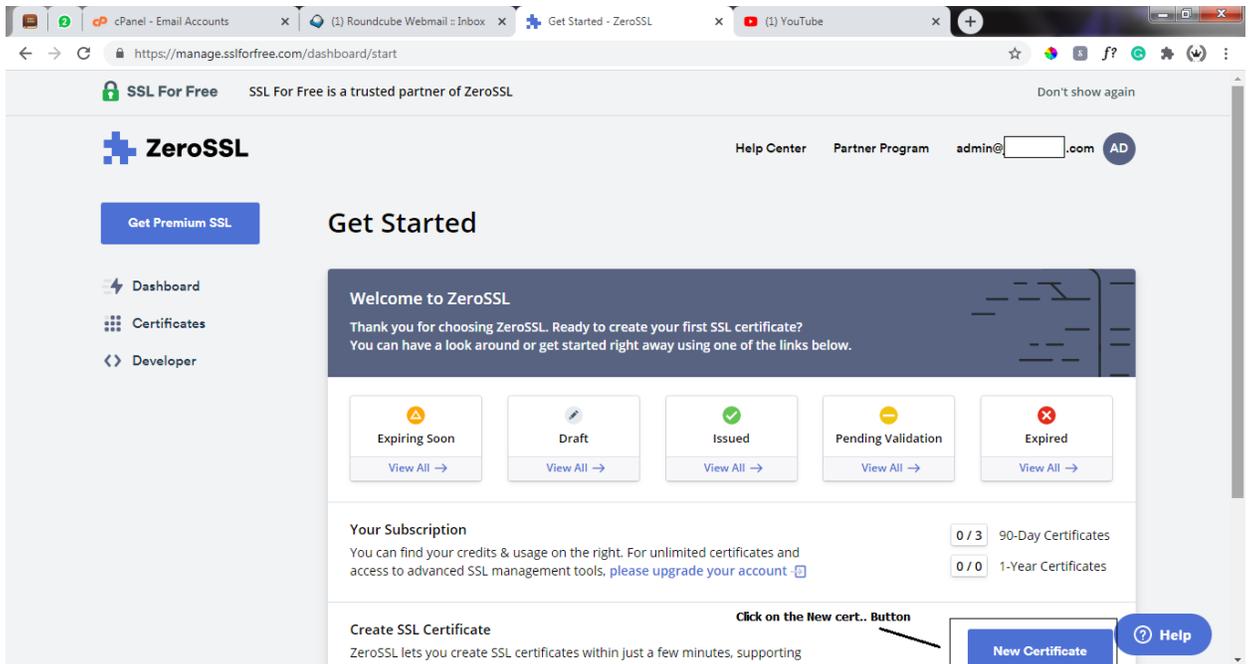


If opened, we can then view our inbox, Just like any mailing platform.

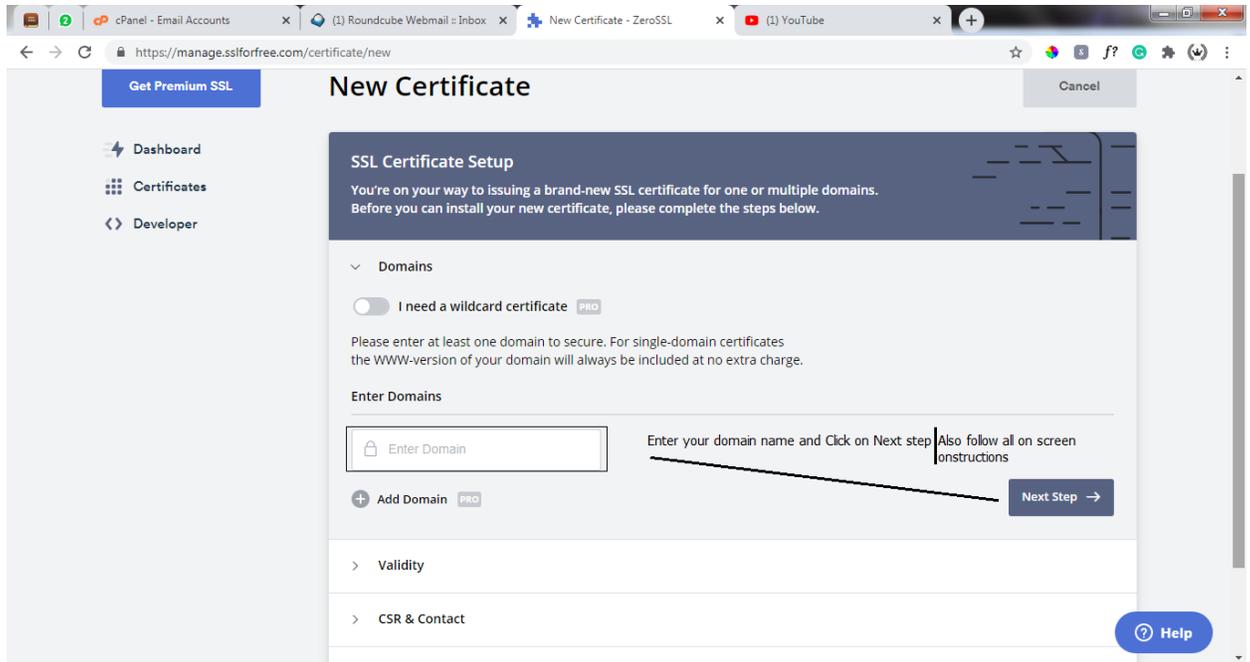
- ✓ Next we want to register an Account on <https://manage.sslforfree.com/signup>



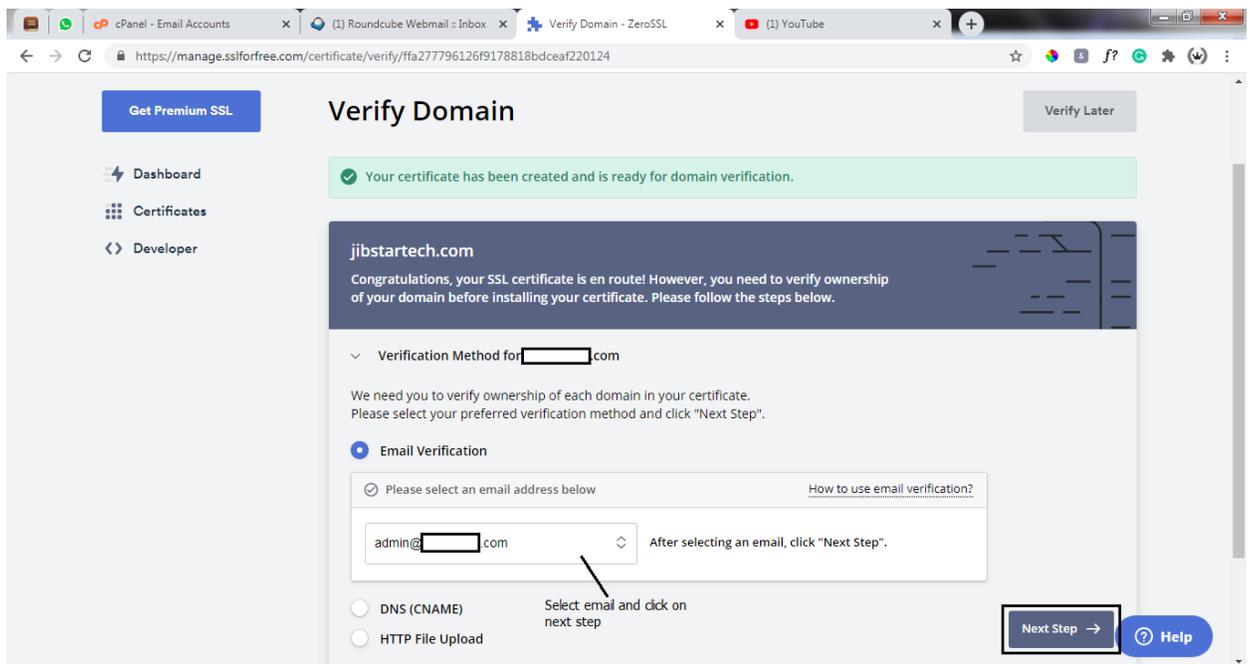
We will be redirected to our Dashboard, From the Dashboard, Click on New Certificate



-- Insert in Your domain



Follow all on screen instructions mainly next step – We get to a page where we will be asked to verify domain. From the options Select the email we just created and click on next step.



After Clicking on the Next Step, We get to another page, where we

will need to verify our domain. An email will be sent to the email account we just created

ZeroSSL

Help Center Partner Program admin@[redacted].com AD

Get Premium SSL

Verify Domain

Verify Later

jibstartech.com

Congratulations, your SSL certificate is en route! However, you need to verify ownership of your domain before installing your certificate. Please follow the steps below.

✓ Verification Method for jibstartech.com

Finalize

Domain	Verification Method	Verification Status
[redacted].com	Email Verification	To start, click "Verify Domain"

Verify Domain Cancel Process & Restart

Click on Verify domain, we get to a page with message that an email has been sent

Help

ZeroSSL

Help Center Partner Program admin@[redacted].com AD

Get Premium SSL

Verify Domain

Verify Later

[redacted].com

Congratulations, your SSL certificate is en route! However, you need to verify ownership of your domain before installing your certificate. Please follow the steps below.

✓ Verification Method for jibstartech.com

Summary

✓ Your verification email has been resent. Trouble receiving it? [Reading this article](#) could help resolve the issue.

Domain	Verification Method	Verification Status
[redacted].com	Email Verification	Pending ?

Resend Email

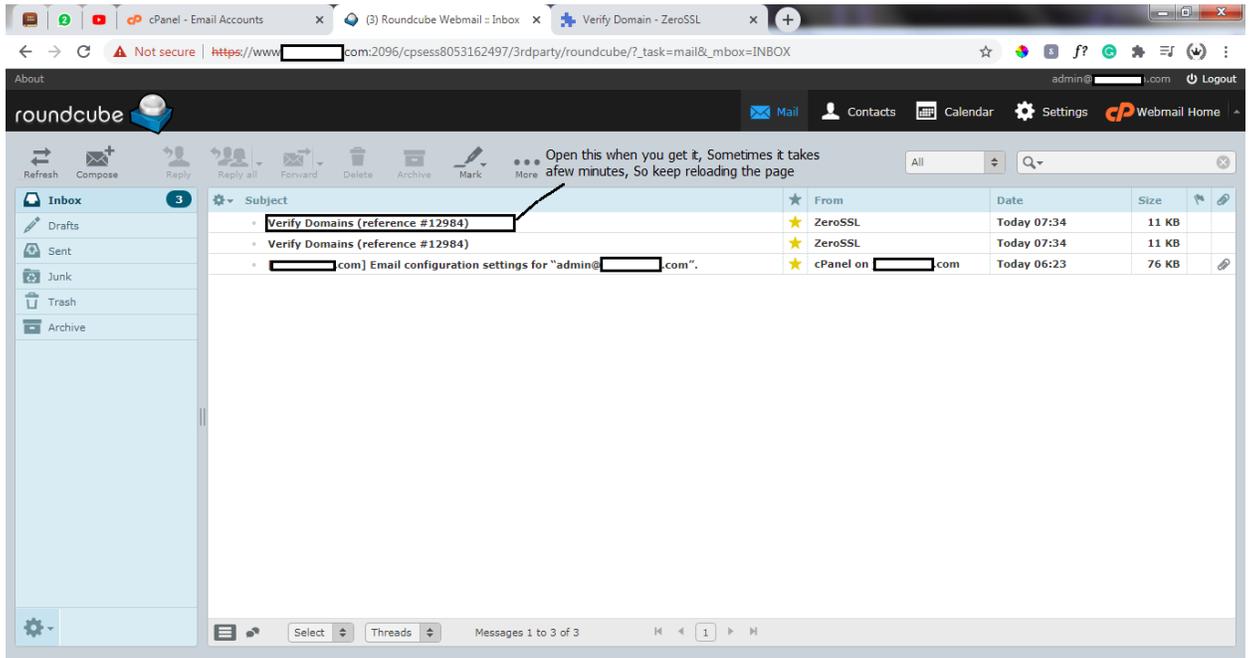
Refresh Status Cancel Process & Restart

Click on the Resend email Button

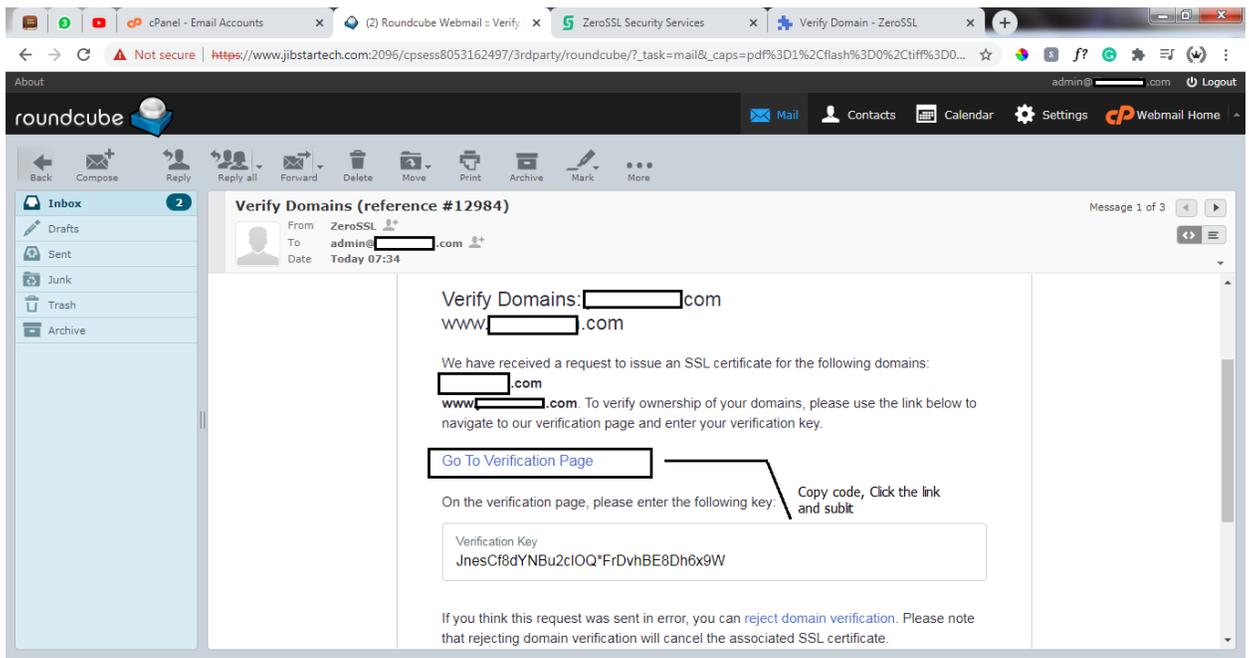
Help

Now the email account we created, that we opened will come in play here. We will need to go to the tab and refresh to see the email that

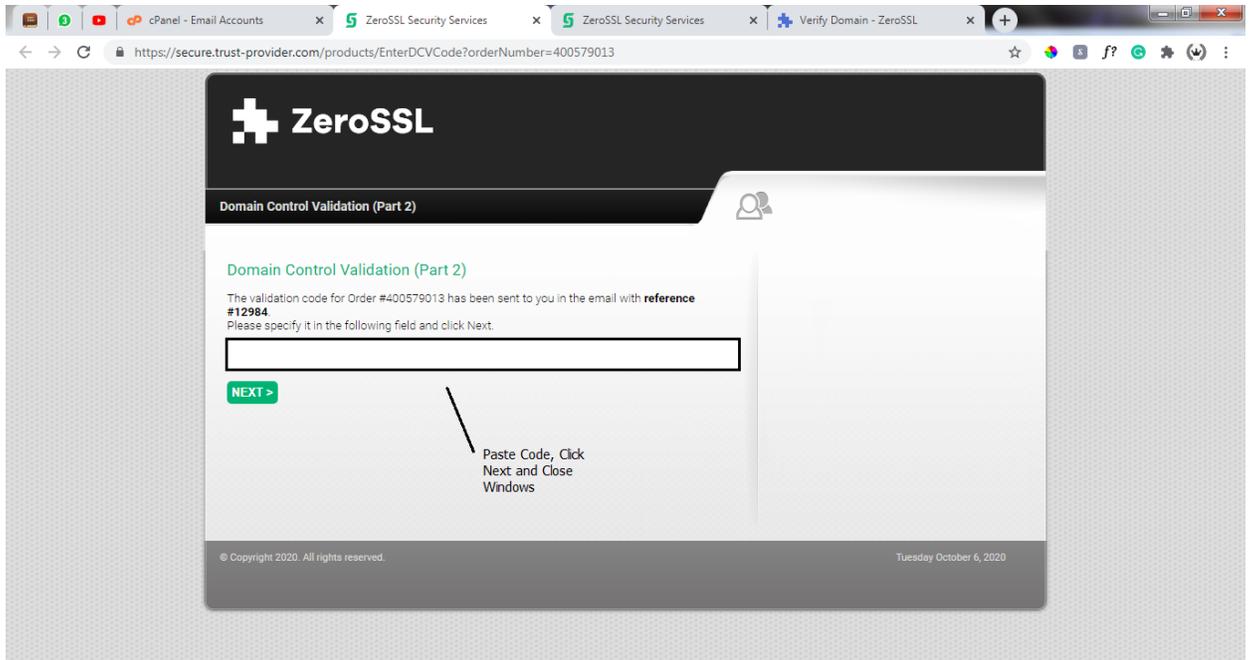
has been sent with a title (Verify Domain)



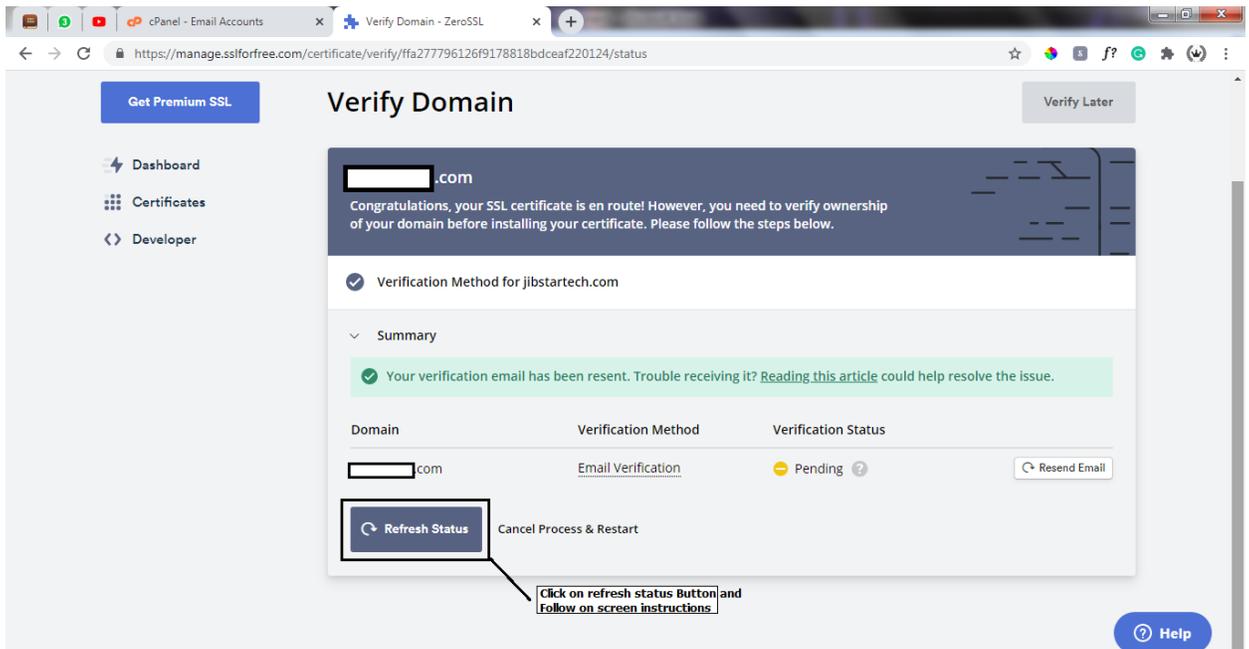
open the email, Go to verification page and paste the code. Everything will be in the mail



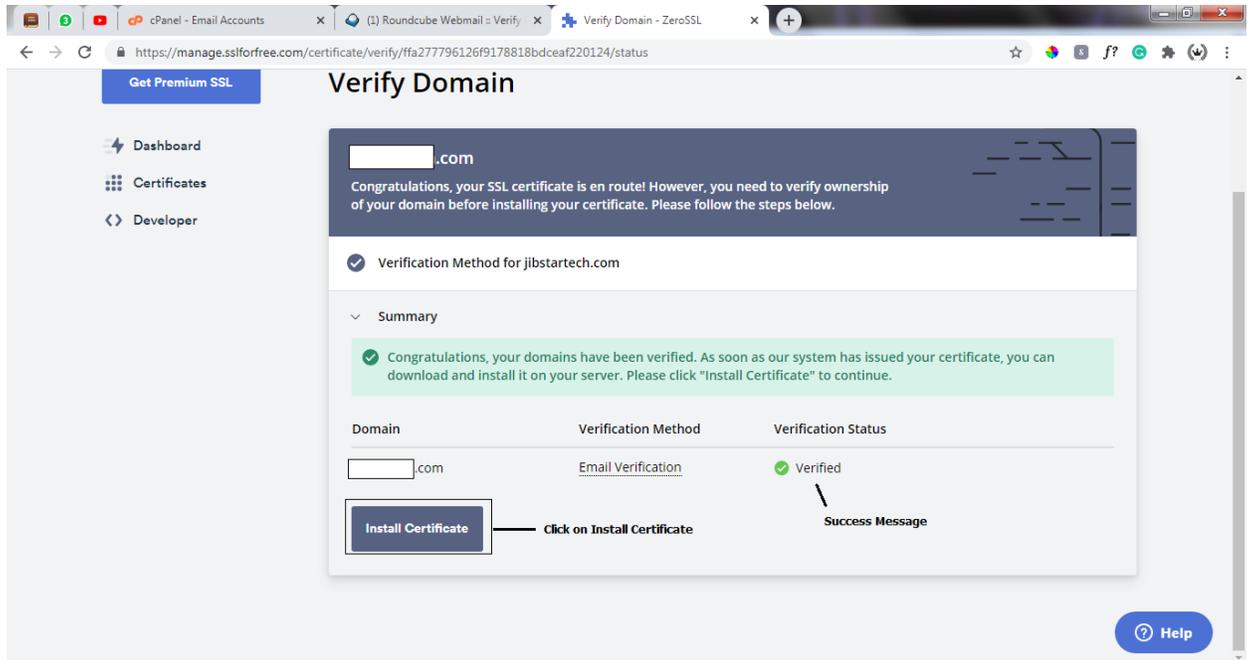
Verifucation Page -



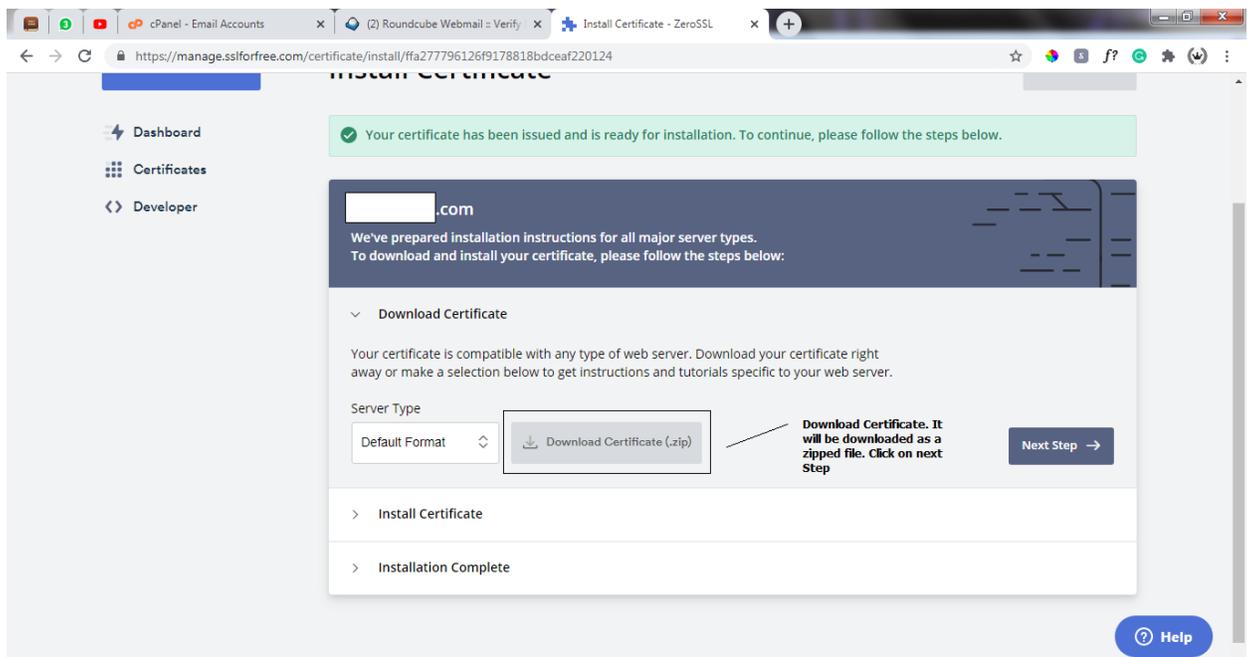
Go back to your Zero SSL Dashboard and Refresh Status



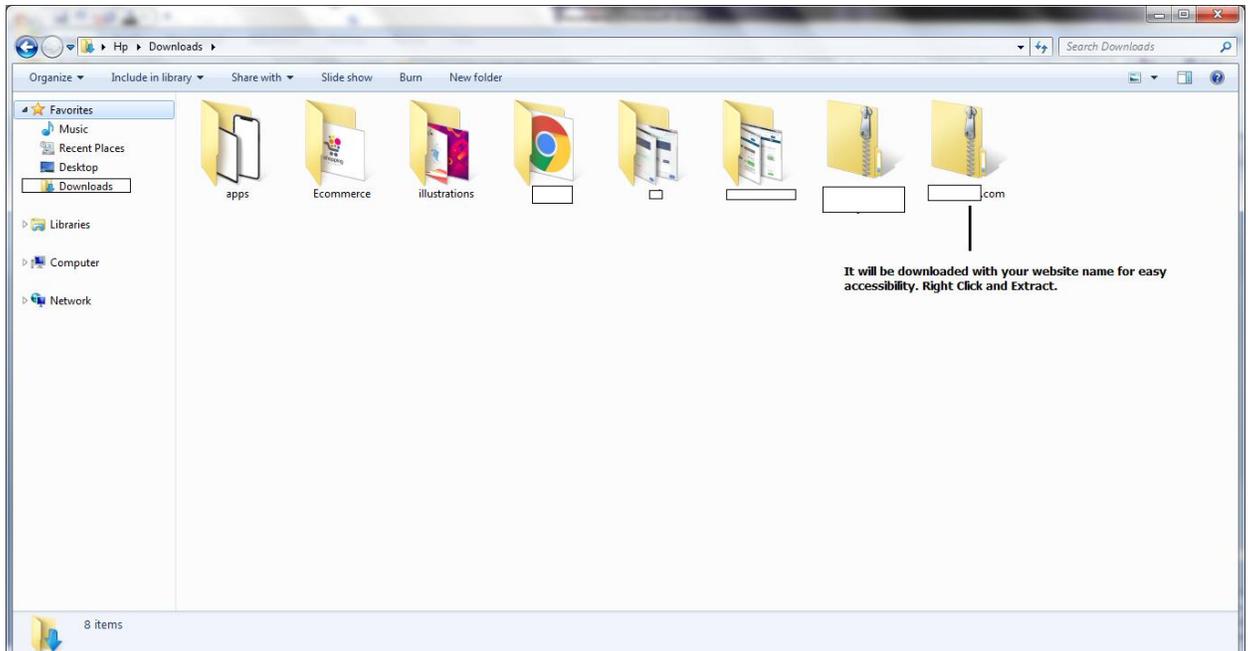
If Verified, You Get the Success Message



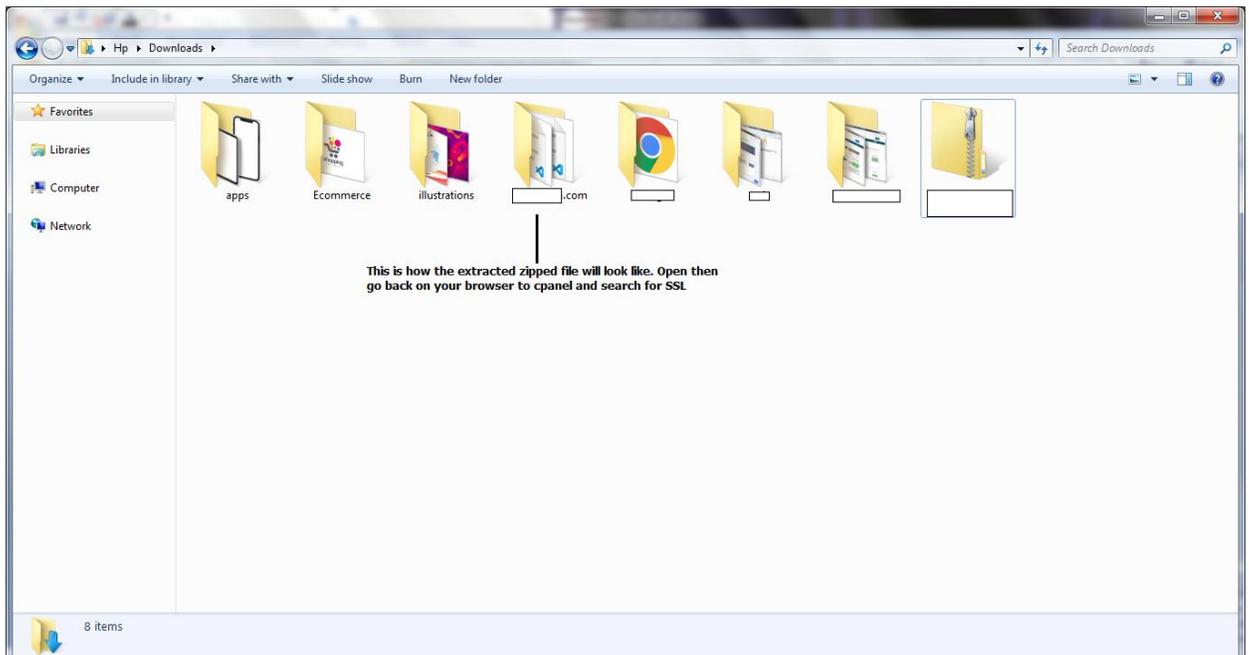
Next we will Download our Certificates - It will be downloaded as a zipped file. Then on our Laptop we can locate it on our downloads folder the extract it.



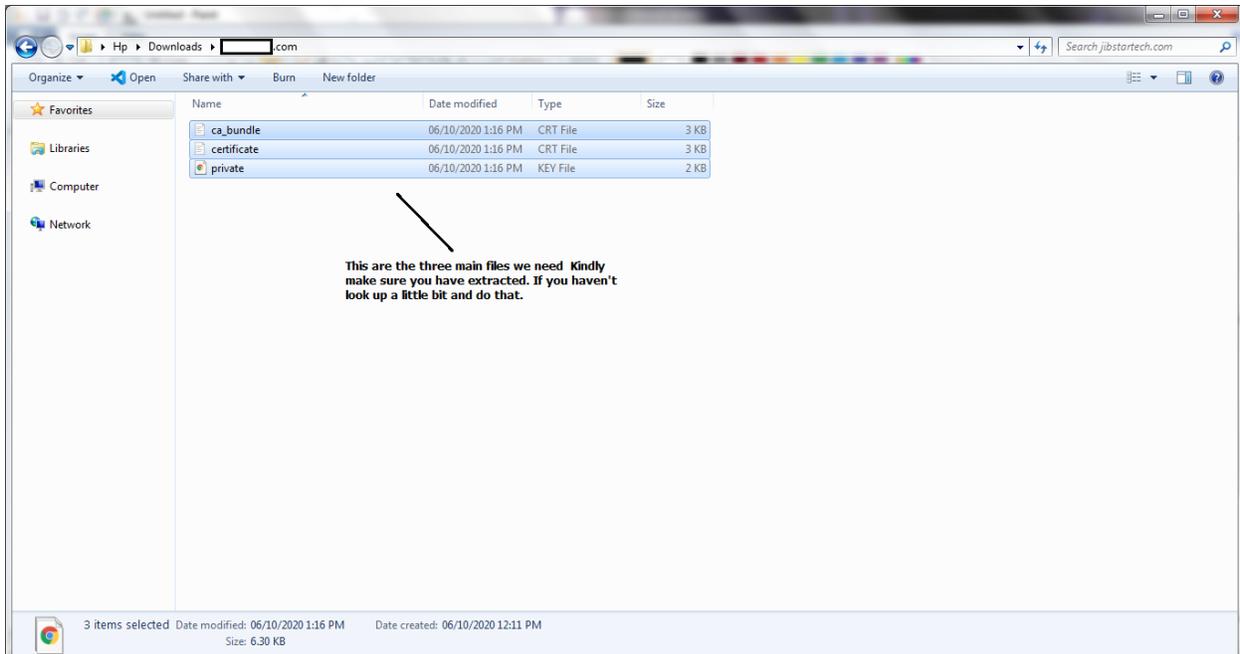
Now go to your Downloads folder your Laptop/Desktop, Then locate the file and extract it.



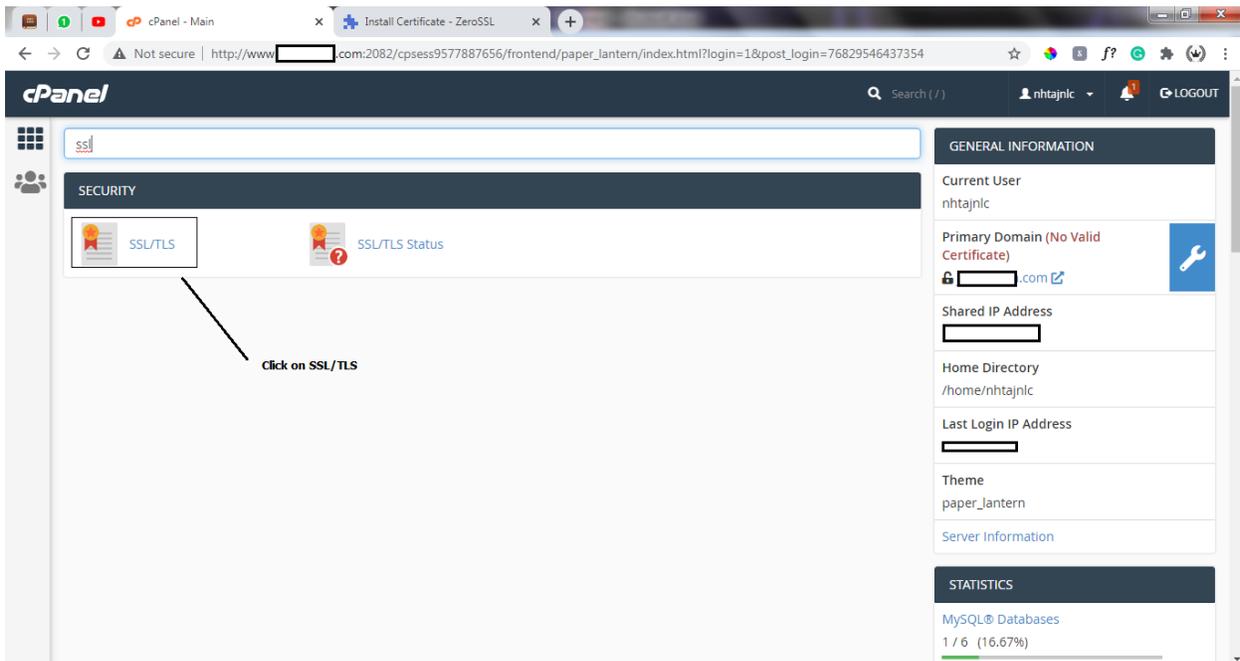
Extract the File --



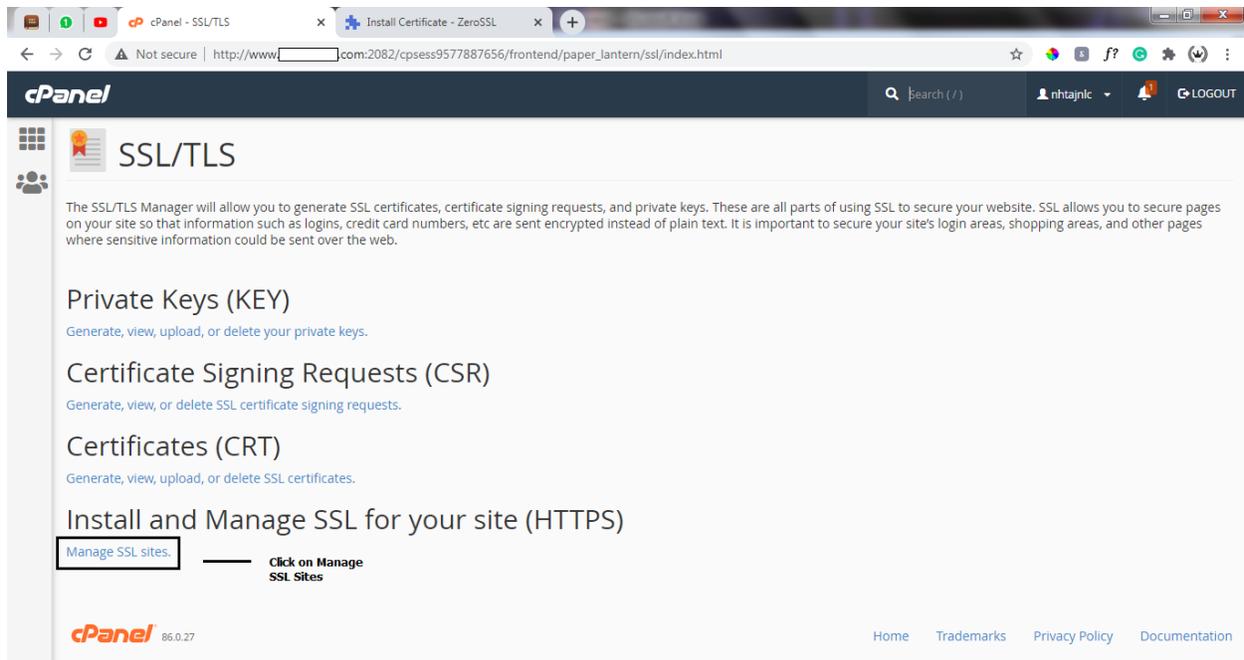
Open the folder -



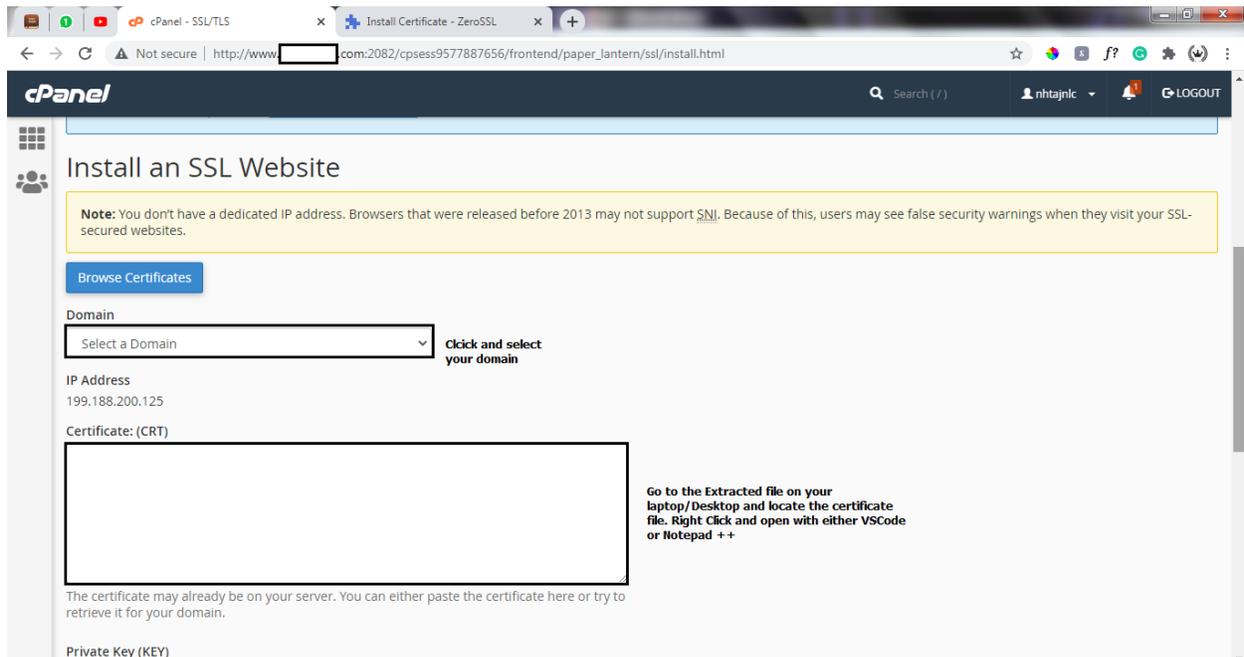
-- Next we go back to cPanel and Search for SSL

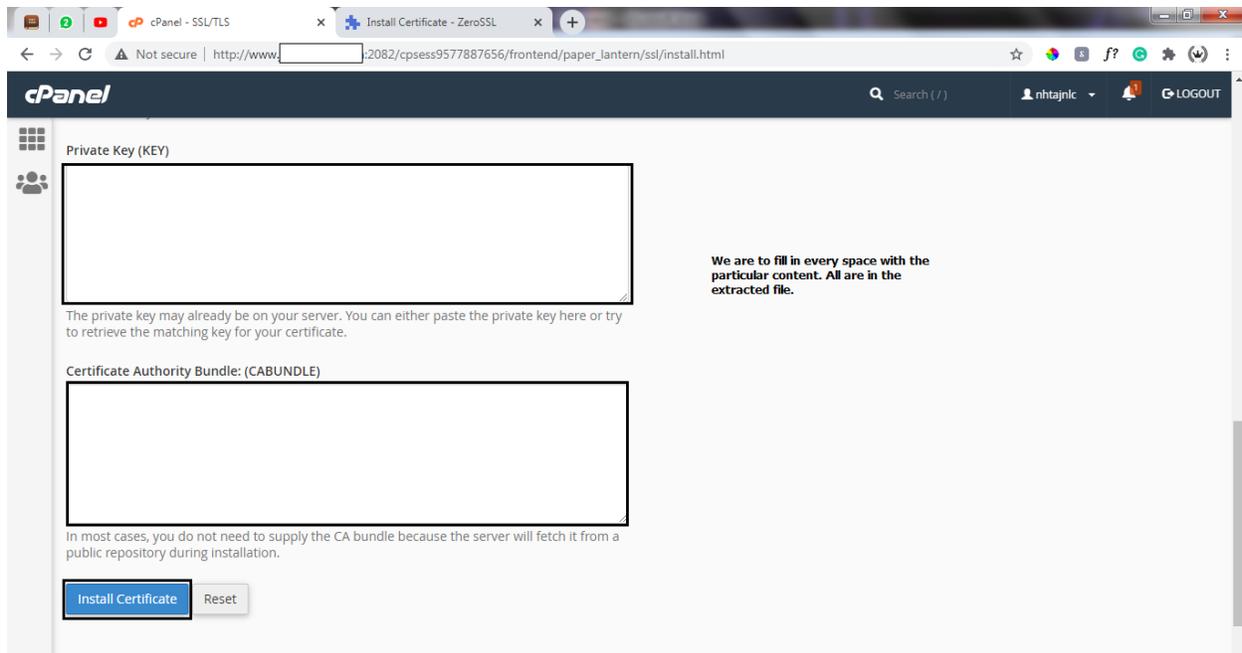


Next we Click on the Manage SSL Sites



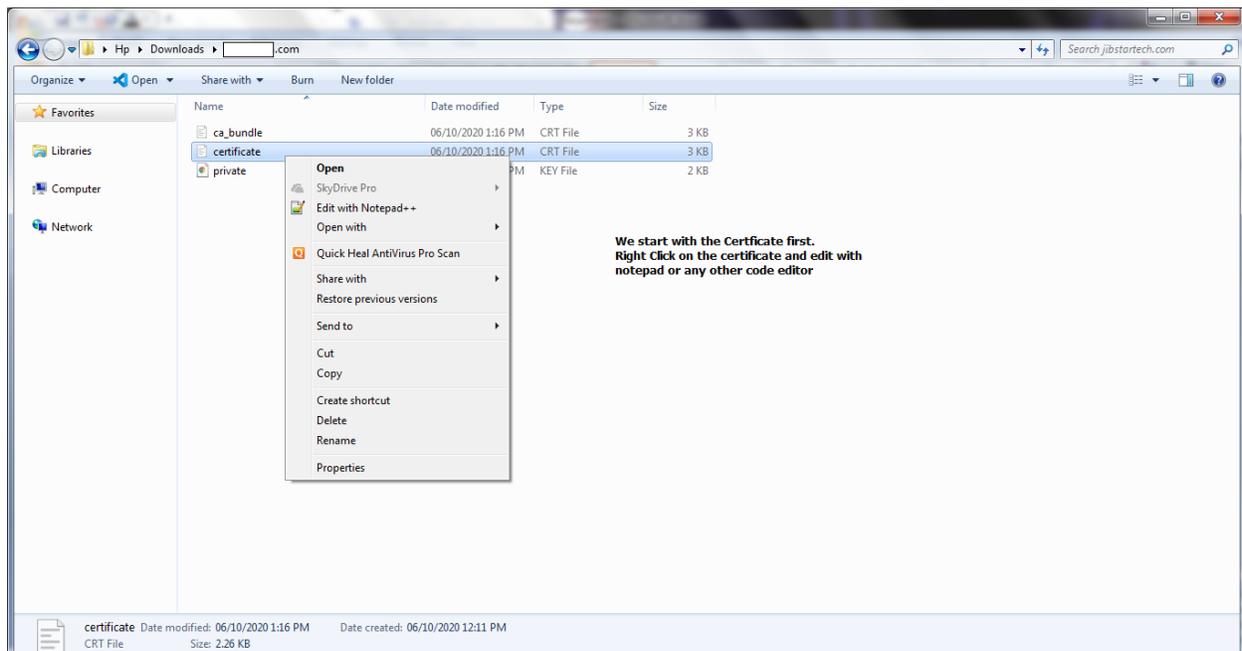
Here, We can Install the SSL Certificate on our Domain





-- Now, We go to the extracted folder and we use the three files to fill in the blank spaces (Certificate, Private Key, ca Bundle)

-- The Certificate



When we open with Notepad ++, We highlight, Copy and Paste where

required.

```
-----BEGIN CERTIFICATE-----
MIIGgTCCBmgAwIBAgIRALdgBXoTHMj9fvcQgDp117MwDQYJKoZIhvcNAQEMBQAw
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1Ip+rgY13+CR/01taB122oiwFg/d2f1vXZj2eEWrgPNZ2bx/0w==
-----END CERTIFICATE-----
```

Copy codes and paste

Autofill by Certificate

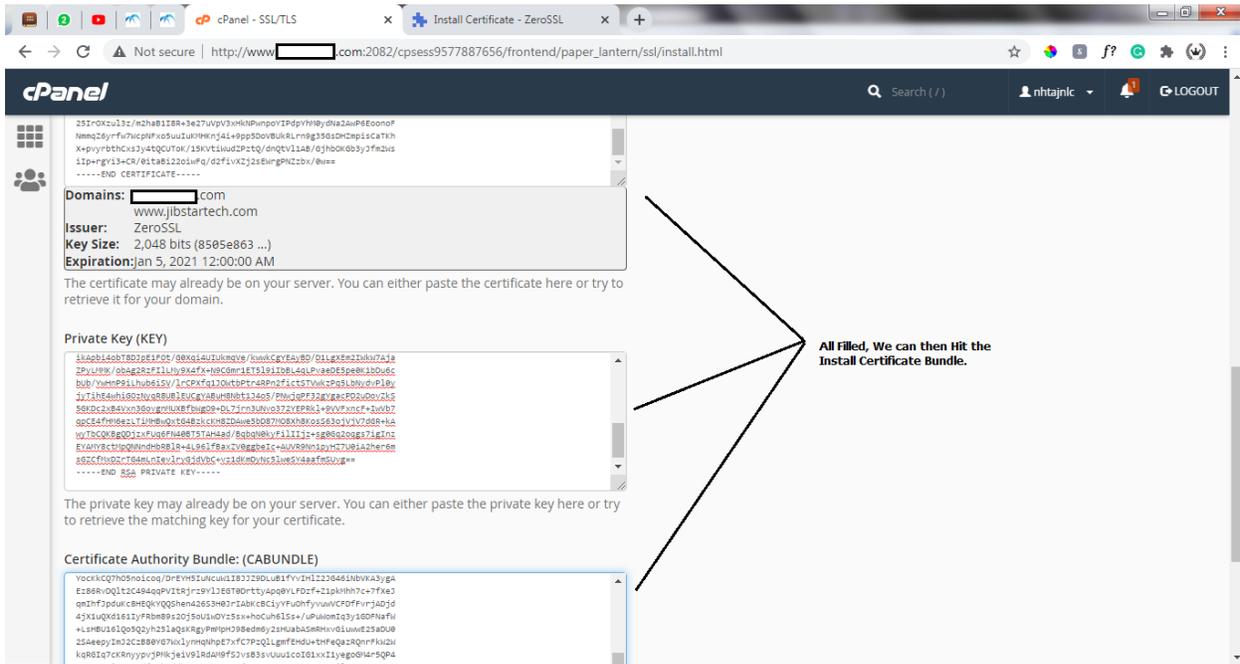
Paste Certificate

Domains:
www.[domain].com
Issuer: ZeroSSL
Key Size: 2,048 bits (8505e863 ...)
Expiration: Jan 5, 2021 12:00:00 AM

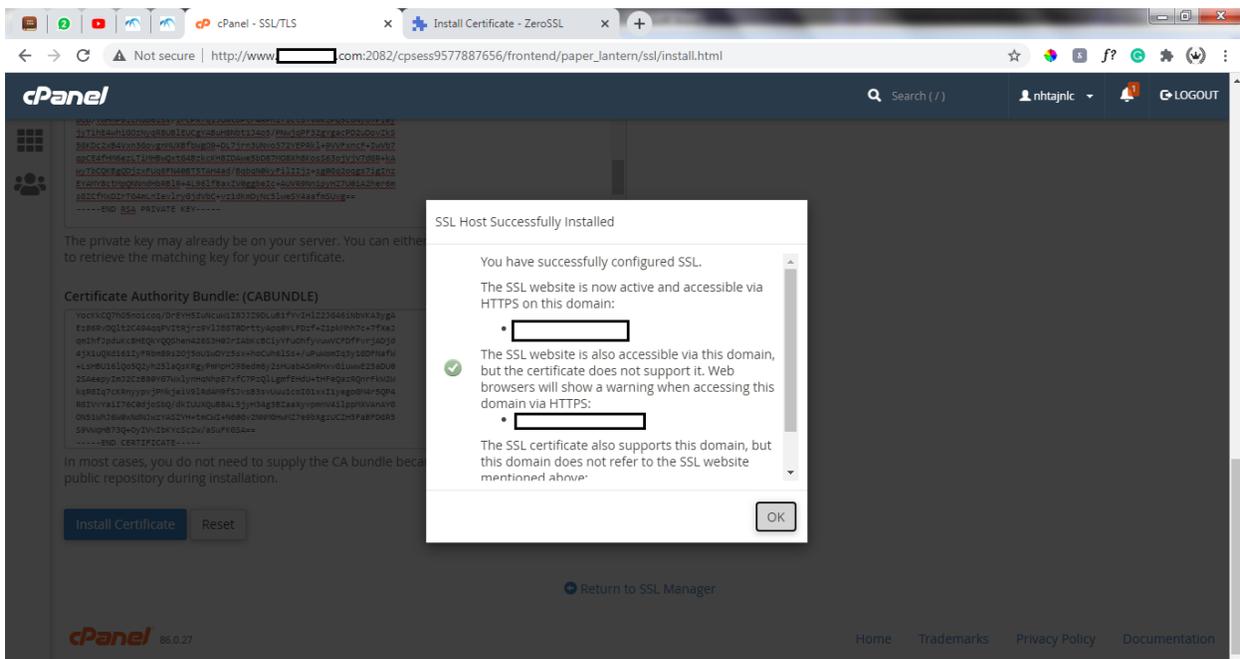
The certificate may already be on your server. You can either paste the certificate here or try to retrieve it for your domain.

-- Next, We simply go to the extracted folder and do same for the private

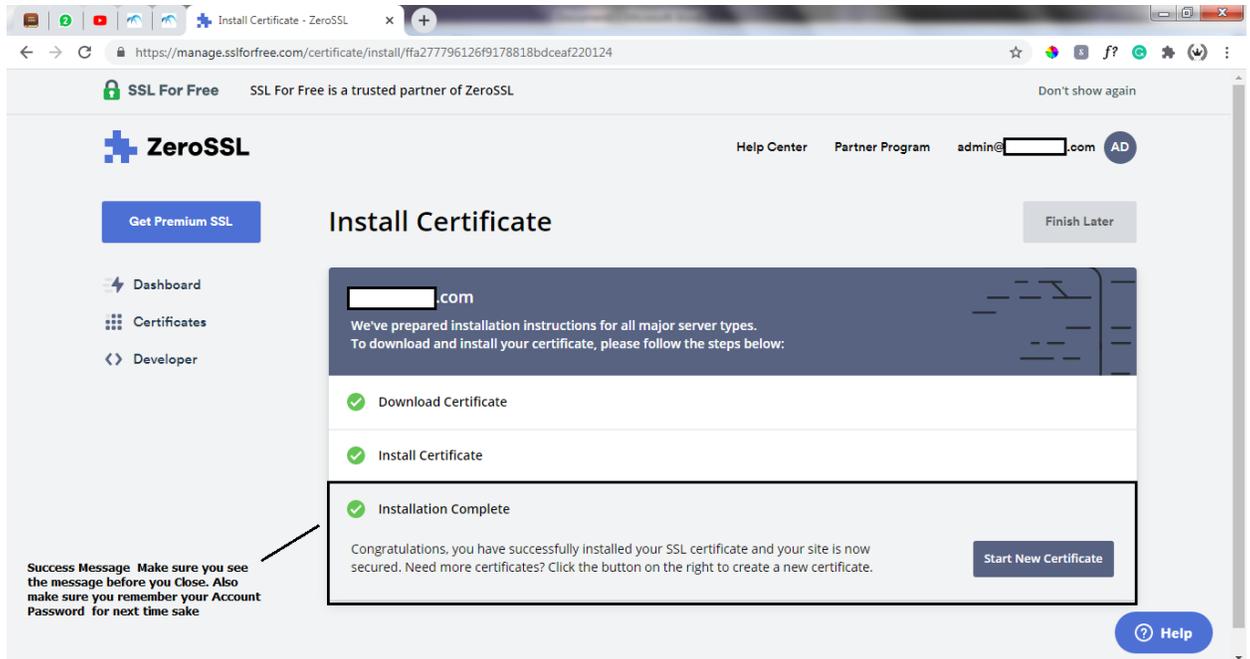
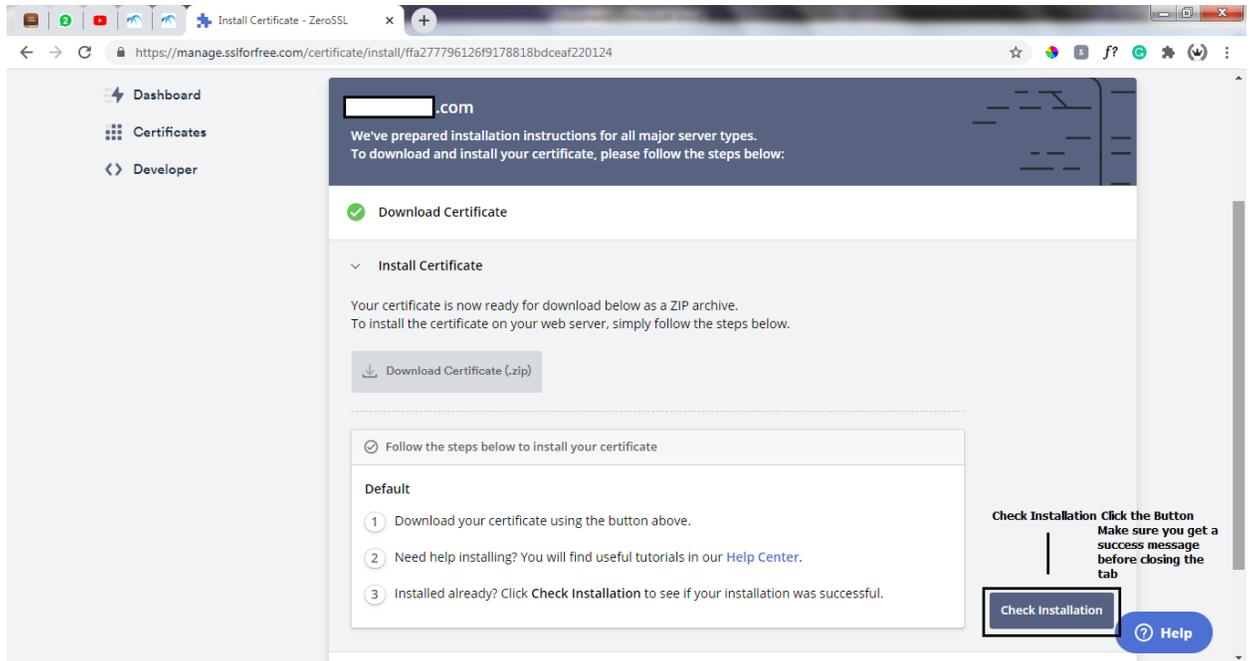
key and ca Bundle. Then we hit the Install certificate Button below



Hit the Install Certificate Button – If Done, You get a Success Message



- ✓ Lastly, We will need to go back to the OUR ZERO SSL DASHBOARD and hit the Check Installation Button



With This we are done. Reload your Website and see a Secured Website.

Keynotes -

- Have your cpanel Details.
- Create an email.
- Create an account on SSLforFree <https://www.sslforfree.com>
- Make sure you keep your Password safe for future references.
- The SSL Certificates last for only three Months (90 Days), After 90days we repeat the same process. That's

- Log into your sslforfree Account
- Go to certificates and Create New Certificate
- Use the email Address
- Verify Domain
- Download Certificate
- Install.

Thanks. Remember to share

Credits – <https://www.soutechventures.com>