

# Free secure web deployment



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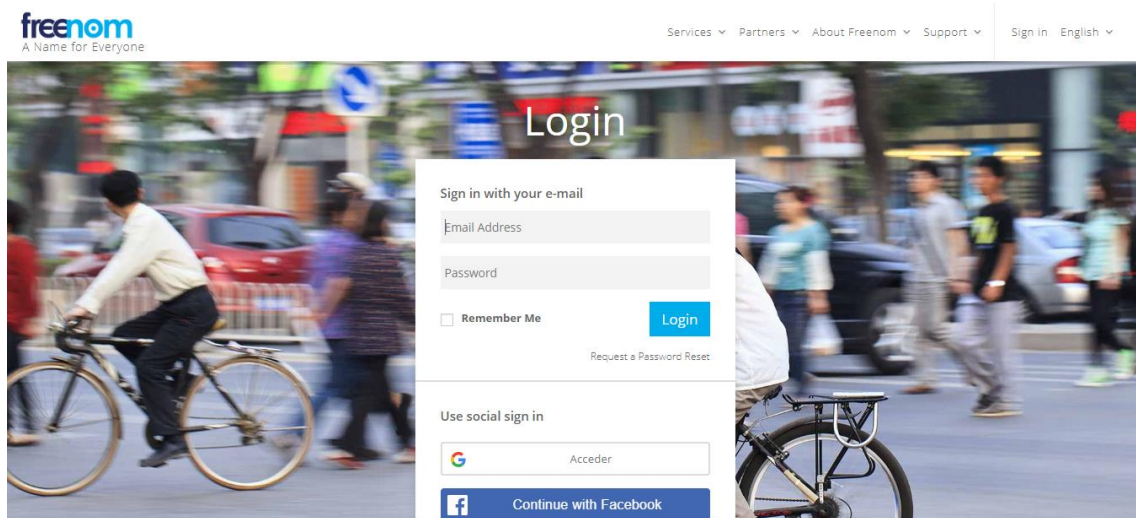
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## introduction

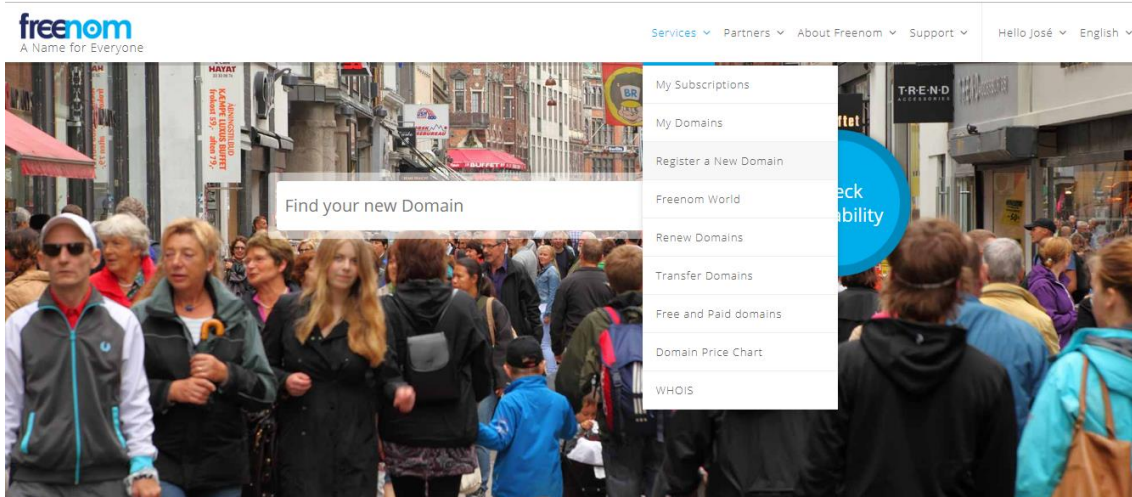
In this document we can find how to deploy a website for free, using freenom, 000webhost and cloudflare. We can also find a .js script to remove the 000webhost bottom banner in the github repository <https://github.com/josemariaaguilera/free-https-website.git>

## Get the domain

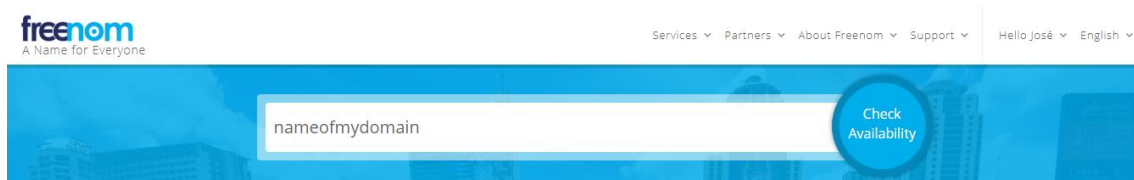
We can get a free domain in <https://my.freenom.com>



Just sing up a new account or sing in whit our Google or Facebook account.



after signing in, we click on services → register a new domain. We can select some free extensions like .tk, .ml, .ga... or pay for another domain like .com.



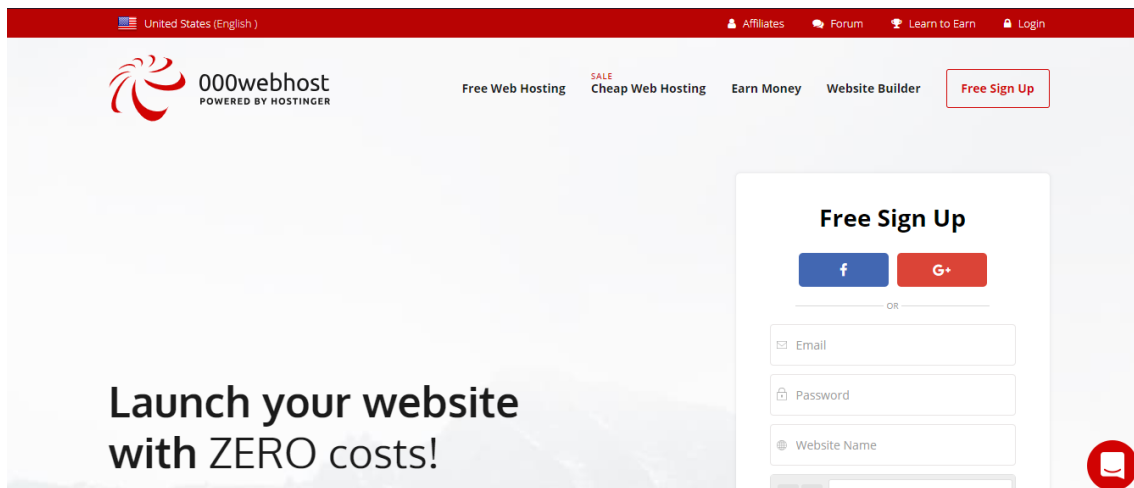
Get one of these domains. They are free!

|                       |        |                      |             |
|-----------------------|--------|----------------------|-------------|
| nameofmydomain<br>.tk | • FREE | EUR 0. <sup>00</sup> | Get it now! |
| nameofmydomain<br>.ml | • FREE | EUR 0. <sup>00</sup> | Get it now! |
| nameofmydomain<br>.ga | • FREE | EUR 0. <sup>00</sup> | Get it now! |

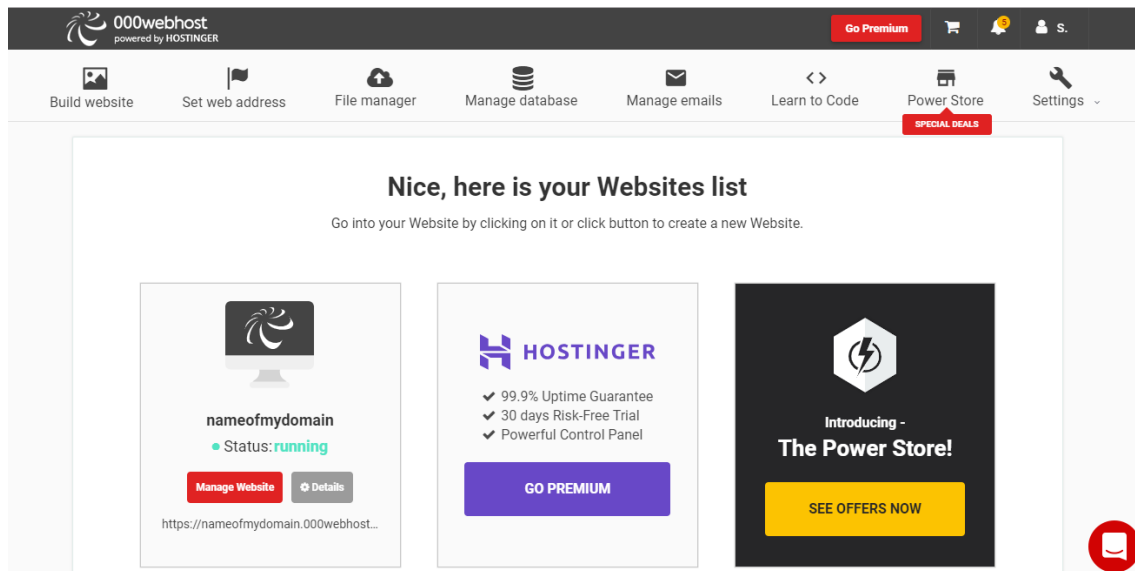
Once we have registered our domain, we need to get our hosting.

## Get the hosting

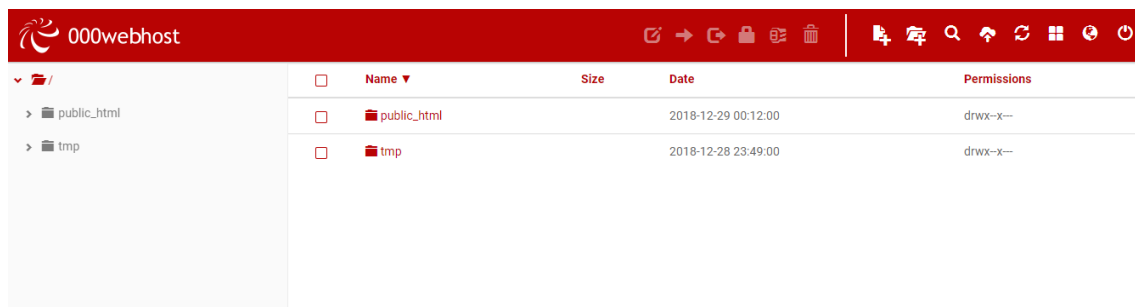
We can get a free hosting in <https://www.000webhost.com/free-website-sign-up>



Does not matter the name we choose for the 000webhost domain, because we are going to change it for our freemom domain later.



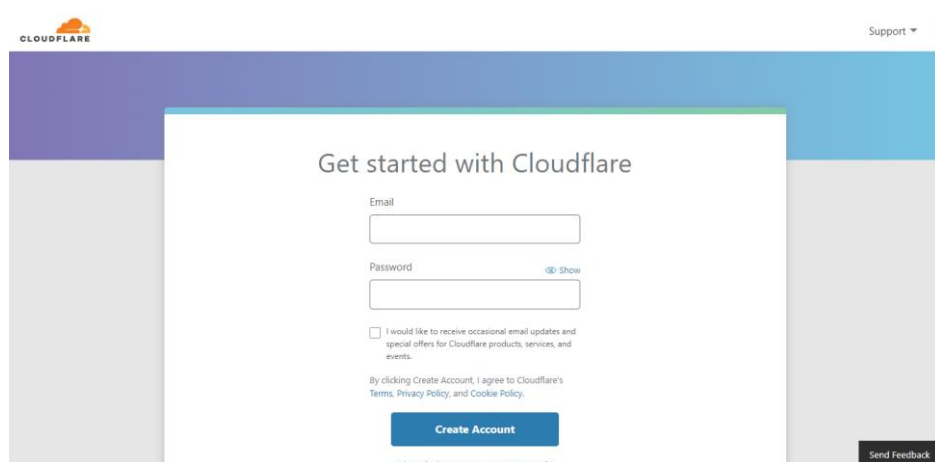
Once we have register in 000webhost and we have created a website we can upload our own page with the file maganer in the public\_html folder.



Later we need to get the ssl certificate.

## Get the ssl certificate

We will use the ssl certificate of cloudflare, for this, the first thing is creating an account in <https://dash.cloudflare.com/sign-up>

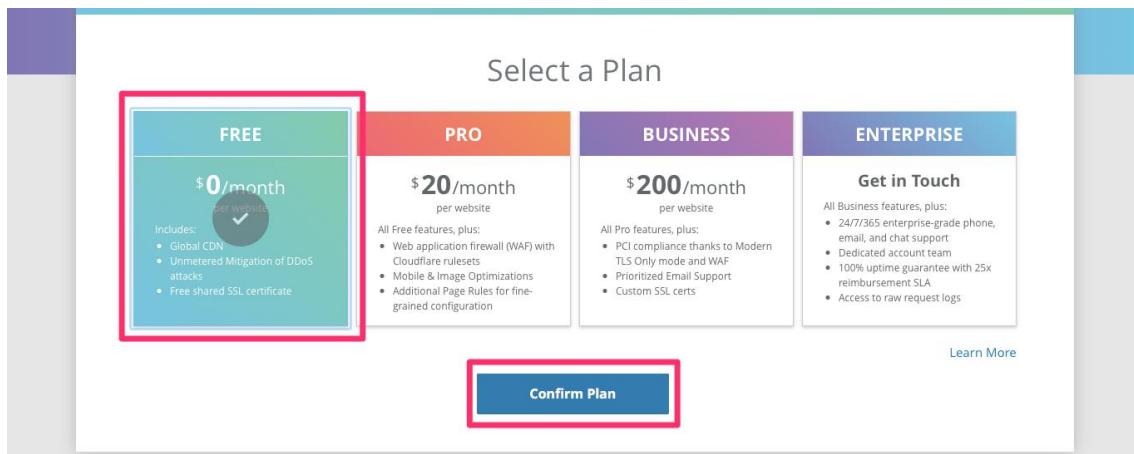


Following we add a site.

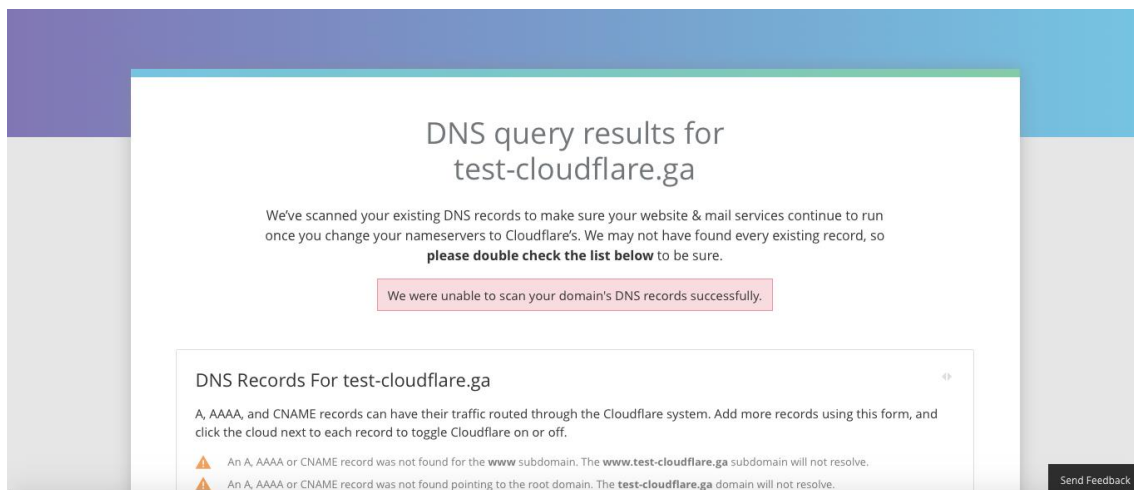
The screenshot shows the Cloudflare dashboard with the 'Add your site' modal open. The modal has a title 'Add your site' and a subtitle 'Cloudflare will speed up and protect your site.' Below this is a 'Site' label and a text input field containing 'nameofmydomain.tk'. A blue 'Add Site' button is positioned below the input field. At the bottom of the modal, there is a link that says 'I'd like to enter more than one domain at a time'. The background shows the dashboard navigation bar with links for Home, Members, Audit Log, Billing, and Configurations, and a search bar.

We must write our registered domain.

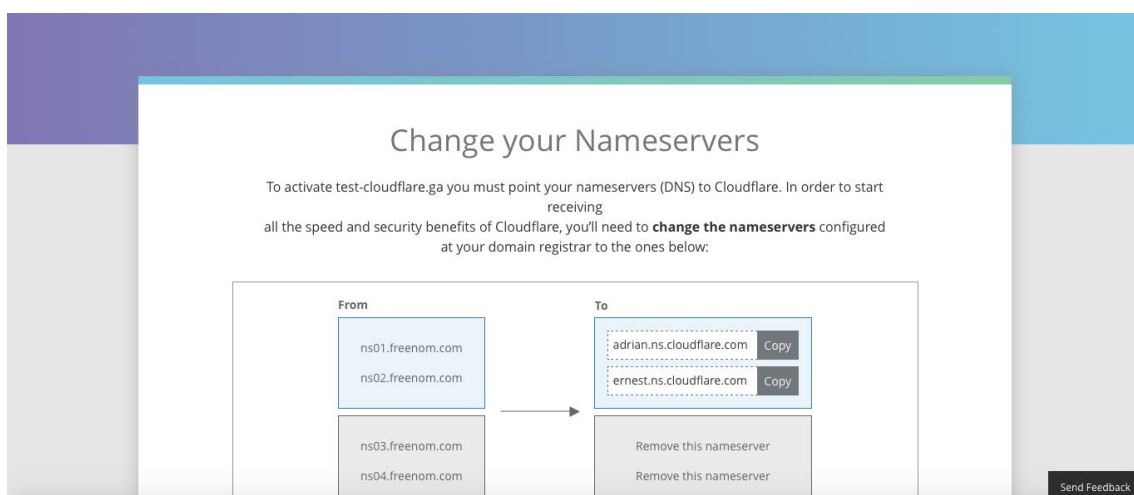
The screenshot shows the 'We're querying your DNS records' screen. It features three green checkmarks indicating successful steps: 1. Cloudflare is querying your site's existing DNS records (the Internet's equivalent of a phonebook) and automatically importing them, so that you don't have to enter them manually. 2. Once you activate your site on Cloudflare by changing your nameservers (in the steps to follow), traffic to your site will be routed through our intelligent global network. 3. Click 'Next' to select your plan, review the DNS records we queried for, and get instructions on how to change your nameservers. A blue 'Next' button is highlighted with a red rectangle. A 'Send Feedback' link is visible in the bottom right corner.



Now we need to make sure that the free plan is selected.



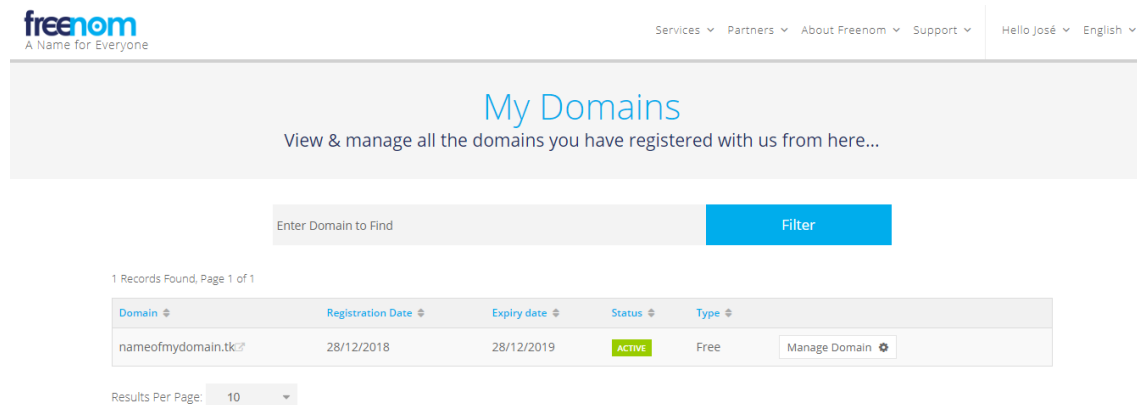
On this next screen, we need to click "Continue" in the bottom part of the page.



On this point, we have all we need, but we need configure it. Don't close this screen.

## Configuration

We need to change the freenom configuration with the nameservers cloudflare give us.



**freenom**  
A Name for Everyone

Services ▾ Partners ▾ About Freenom ▾ Support ▾ Hello José ▾ English ▾

### My Domains

View & manage all the domains you have registered with us from here...

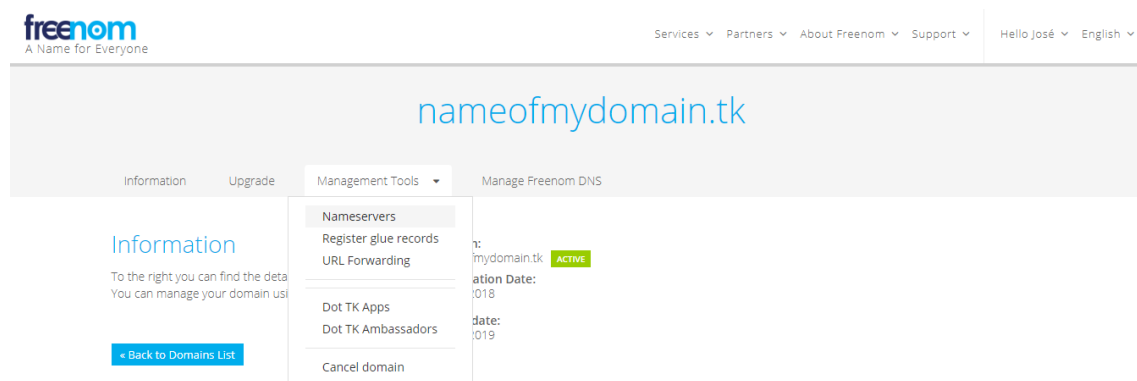
Enter Domain to Find Filter

1 Records Found, Page 1 of 1

| Domain            | Registration Date | Expiry date | Status | Type |               |
|-------------------|-------------------|-------------|--------|------|---------------|
| nameofmydomain.tk | 28/12/2018        | 28/12/2019  | ACTIVE | Free | Manage Domain |

Results Per Page: 10

For configure the nameservers we click services → my domains and click on manage domain.



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### nameofmydomain.tk

Information Upgrade Management Tools Manage Freenom DNS

**Nameservers**

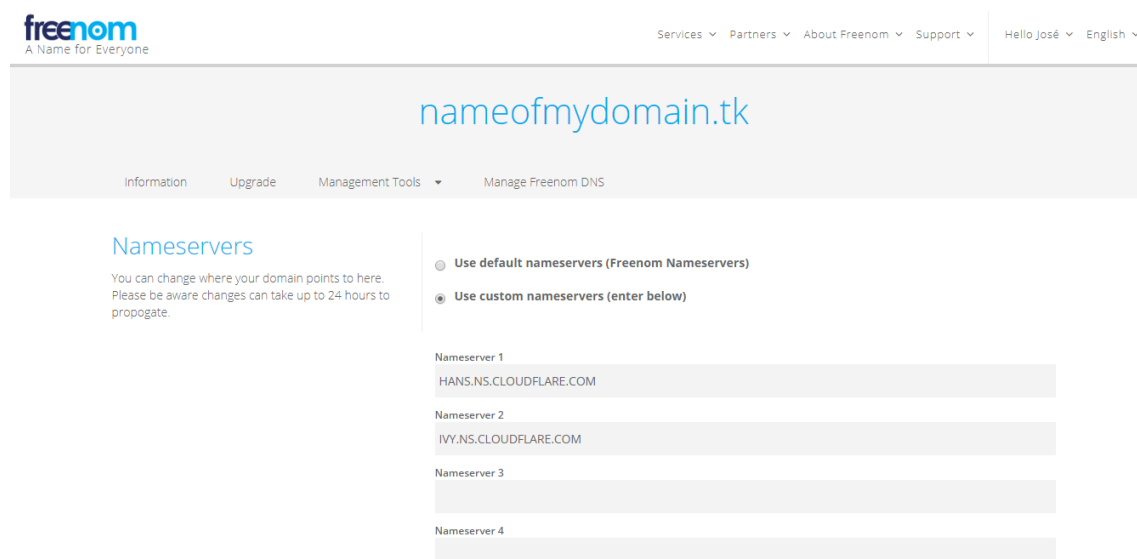
- Register glue records
- URL Forwarding
- Dot TK Apps
- Dot TK Ambassadors
- Cancel domain

Information

To the right you can find the details of your domain. You can manage your domain using the tools on the left.

[Back to Domains List](#)

Then we click on management tools → nameserver



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### nameofmydomain.tk

Information Upgrade Management Tools Manage Freenom DNS

**Nameservers**

You can change where your domain points to here. Please be aware changes can take up to 24 hours to propagate.

☐ Use default nameservers (Freenom Nameservers)

☒ Use custom nameservers (enter below)

Nameserver 1  
HANS.NS.CLOUDFLARE.COM

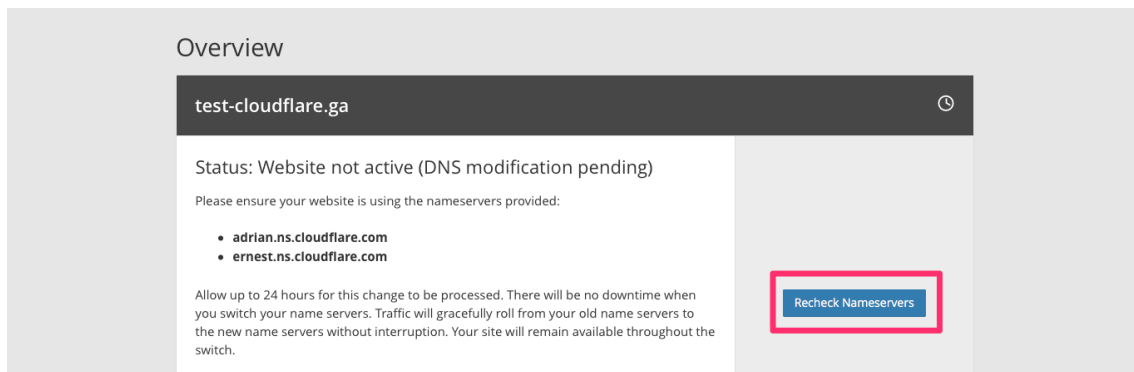
Nameserver 2  
IVY.NS.CLOUDFLARE.COM

Nameserver 3

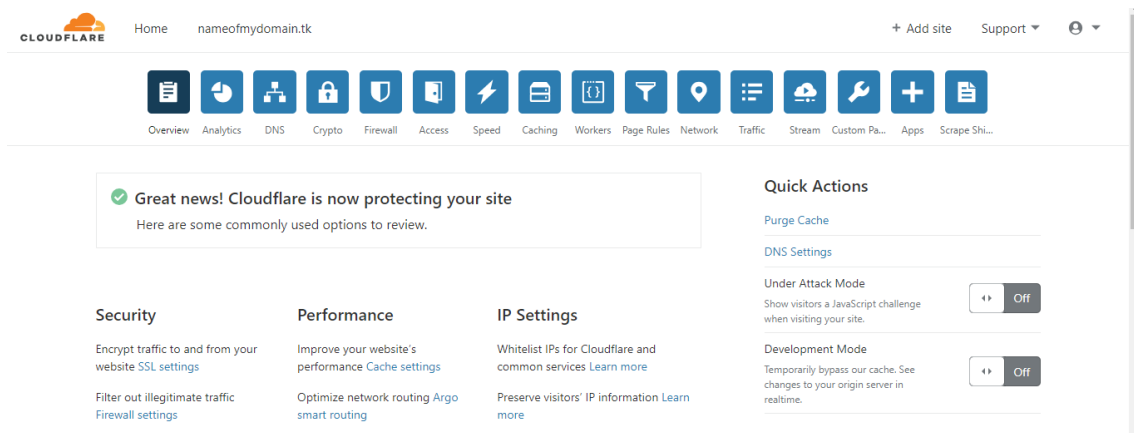
Nameserver 4

And write the cloudflare nameservers here.

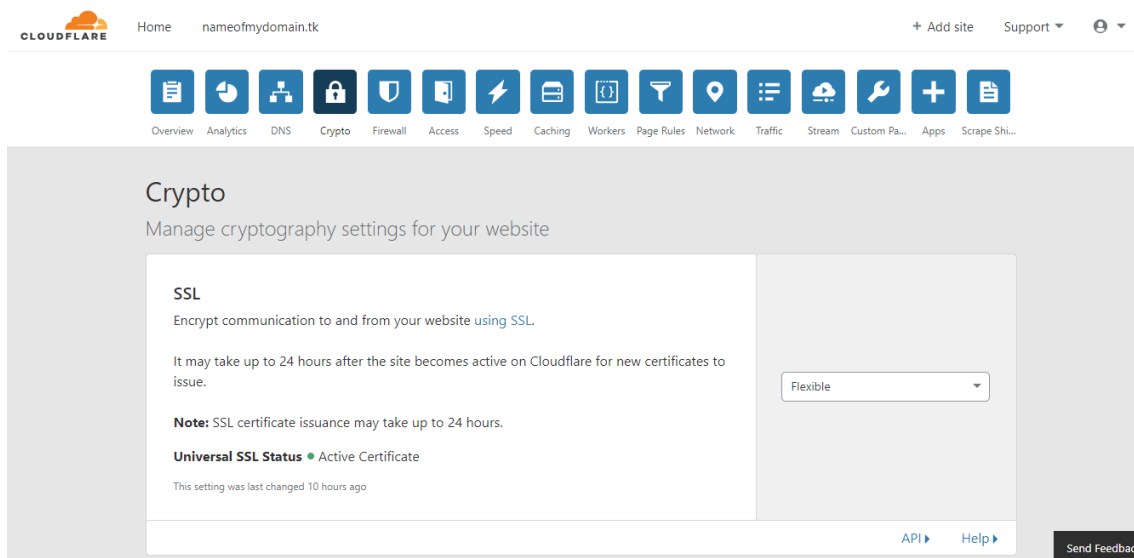
When we do this click “Continue” on the cloudflare screen.



And click on recheck nameservers.

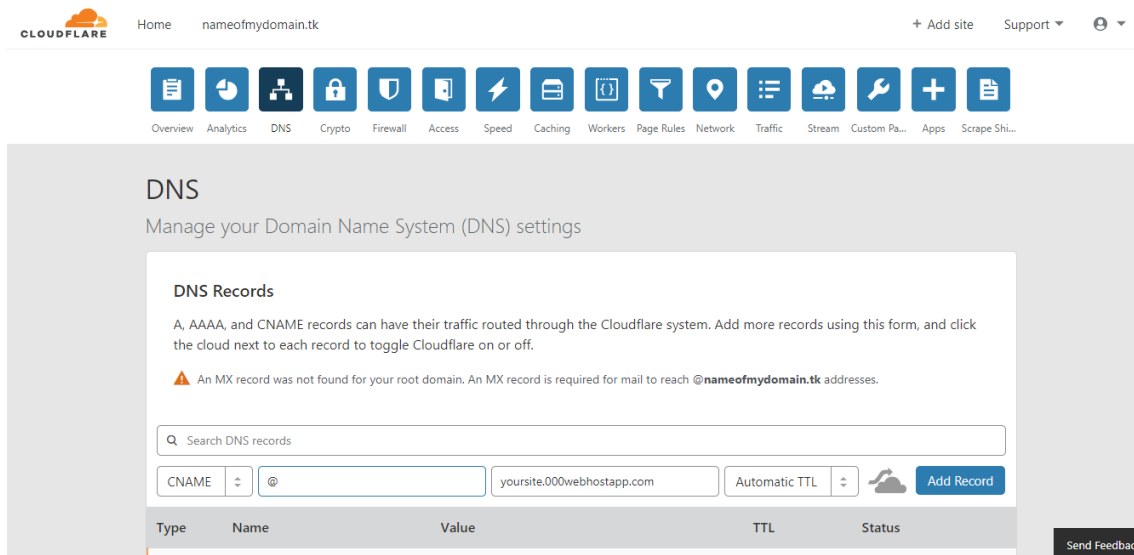


Once the nameservers changes have been verified, we'll see this screen.



Next, we click on the crypto menu and select Flexible.

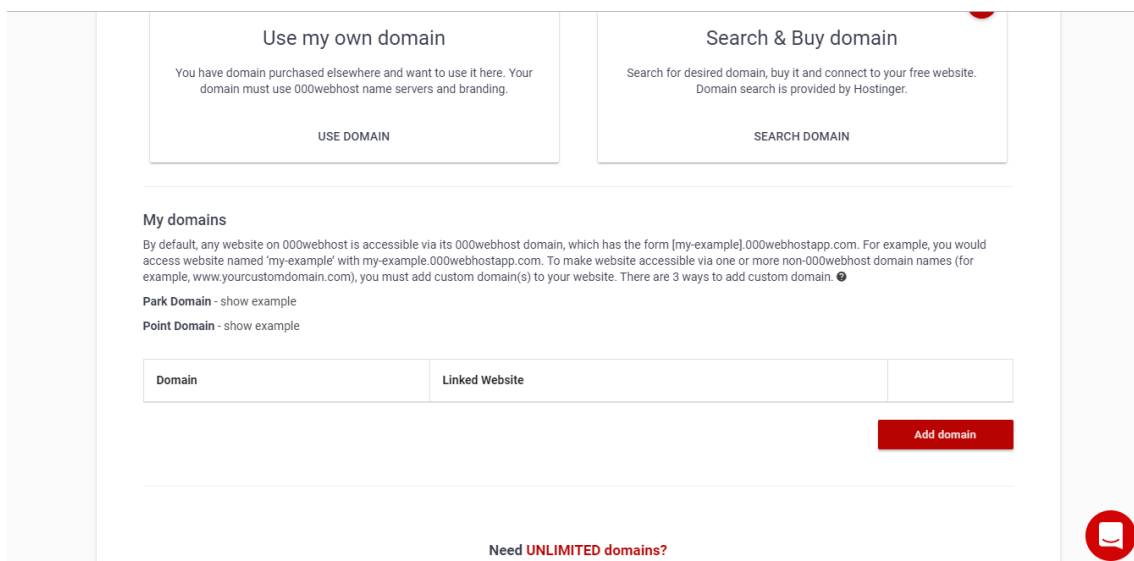




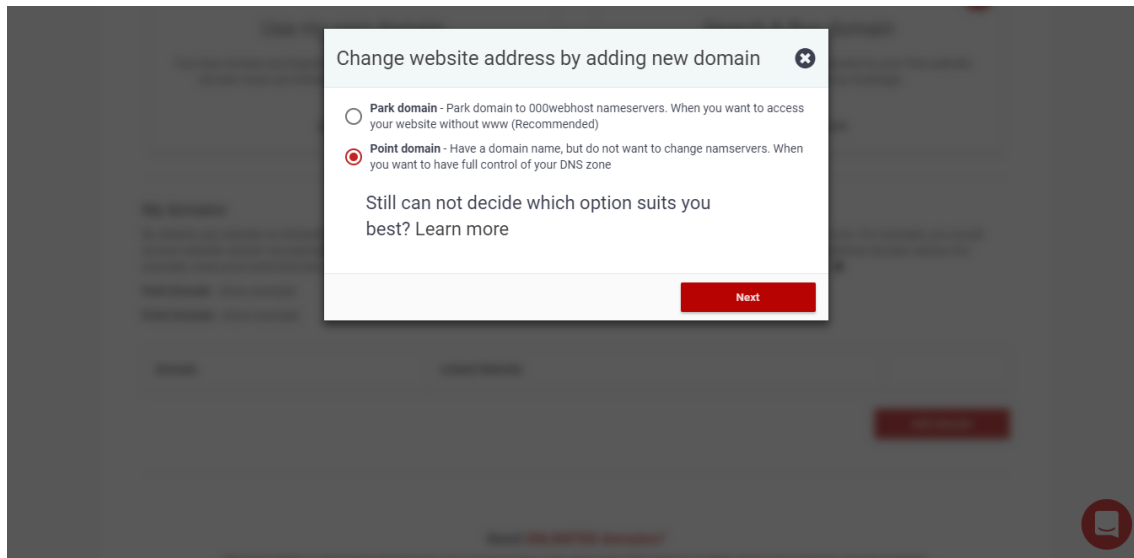
Then, we need to add 2 CNAME registers:

- "@" points to "yoursite.000webhostapp.com"
- "www" points to "yoursite.000webhostapp.com"

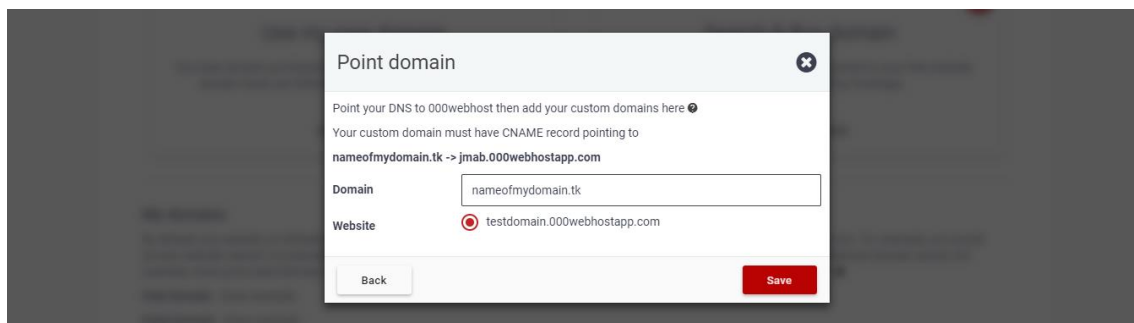
Make sure that the cloud is gray and not orange, or otherwise 000webhost will not accept the domain name.



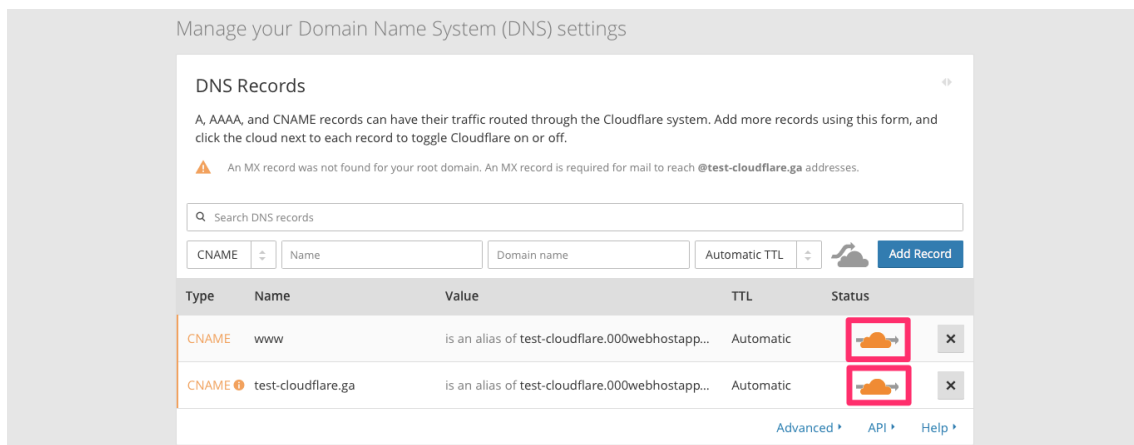
Then in 000webhost cpanel click on "set web address" and we will add the domain here.



Select point domain.



And write our domain.



To finish the configuration, go to the cloudflare dns configuration and click on the gray clouds of the recently added CNAME registers to turn them orange.

If we do everything good our website now run with https.