



Installation Guide: cPanel Plugin

Installation using an SSH client
such as Terminal or Putty

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1. Access cPanel for the server using root user by:

```
ssh root@SERVER IP ADDRESS or SERVER NAME
```

- 2.

```
bash <(curl -s https://raw.githubusercontent.com/Cloudflare/Cloudflare-CPanel/master/cloudflare.install.sh) -k HOST_API_KEY -n 'YOUR_COMPANY_NAME'
```

HOST_API_KEY will look similar to 56yt8x9s987dfy4324bnv.

'YOUR_COMPANY_NAME' should be wrapped in quotes like so 'Awesome Hosting'

3. This will start the installation. The cPanel plugin files are installed first, followed by mod_Cloudflare. Depending on your server, it will take between 15 seconds and 4 minutes. You know it will be done when you see: *Cloudflare module installed successfully*
4. Cloudflare is now successfully added to this server. You need to repeat the process for each additional server (unless you have an automatic update script).

At the end of the installation, you should see output like below.

"Plugin installed ok

Cleaning up"

Cloudflare configuration

The plugin gives your customers two options of how to provision Cloudflare. In order to run the Cloudflare cPanel plugin, it requires 'Advanced Zone Editor' to be enabled. This can be found in the cPanel 'Feature Manager' and 'Edit' next to default in the "Edit a Feature List" section.

CNAME setup

Your customers continue to point their domain to the authoritative DNS. Only subdomains are pointed to Cloudflare. CNAME setup enables protection at the subdomain level only (www.example.com, blog.example.com, etc).

Please note, this is the default setup for the cPanel plugin. CNAME setup works only with CNAME records, which are pulled from 'Advanced Zone Editor'. If you wish to use Cloudflare with A records, you will need to enable Full DNS setup.

Full DNS setup

This setup requires updating your domain's current name servers to Cloudflare's name servers. This means that Cloudflare becomes the authoritative DNS. You can still add and manage your DNS records in 'Advanced Zone Editor, which is connected to the Cloudflare plugin. Full DNS provisioning protects the root domain (example.com) as well as subdomains (www.example.com).

Partners can control whether or not to enable Full DNS zone setup for their customers. N.B. CNAME setup cannot be disabled. Here are the available options how Cloudflare can be enabled:

- **Default option:** CNAME setup only
- **Both:** CNAME and Full DNS setups

To enable Full DNS, please update the following parameter from 'false' to 'true' in the **config.js** file which can be found: `/usr/local/cpanel/base/frontend/paper_lantern/Cloudflare/config.js`.

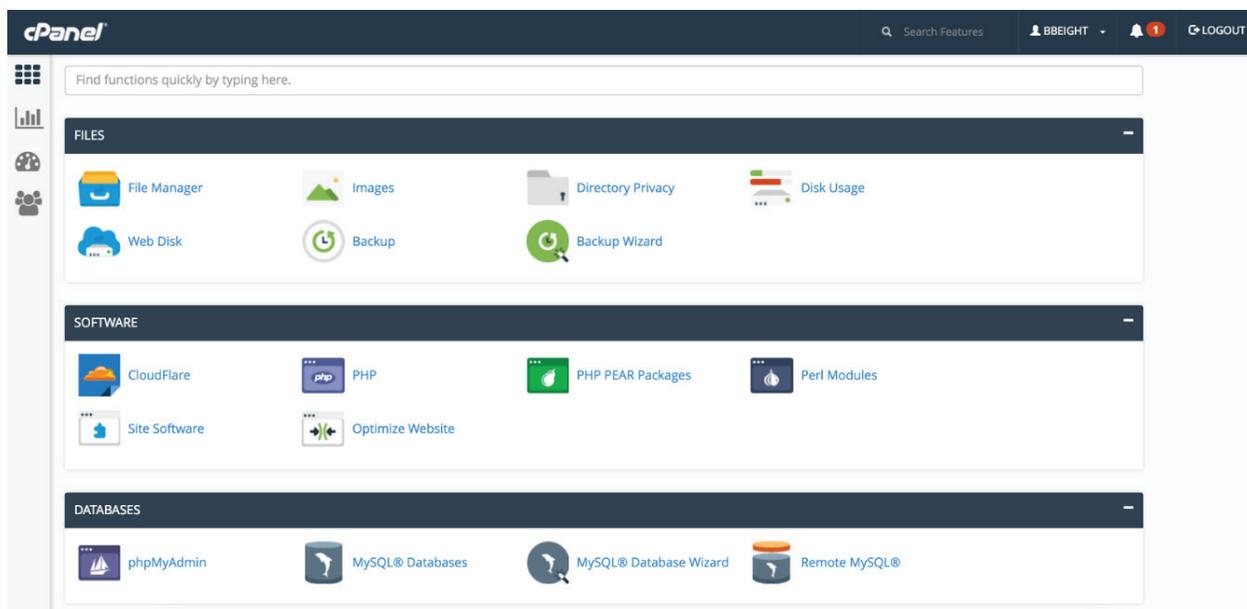
```
"featureManagerIsFullZoneProvisioningEnabled": true
```

Once you update the parameter, this will enable both Cloudflare setups (i.e. CNAME and Full DNS) for your customers.

How to activate Cloudflare in the cPanel customer interface

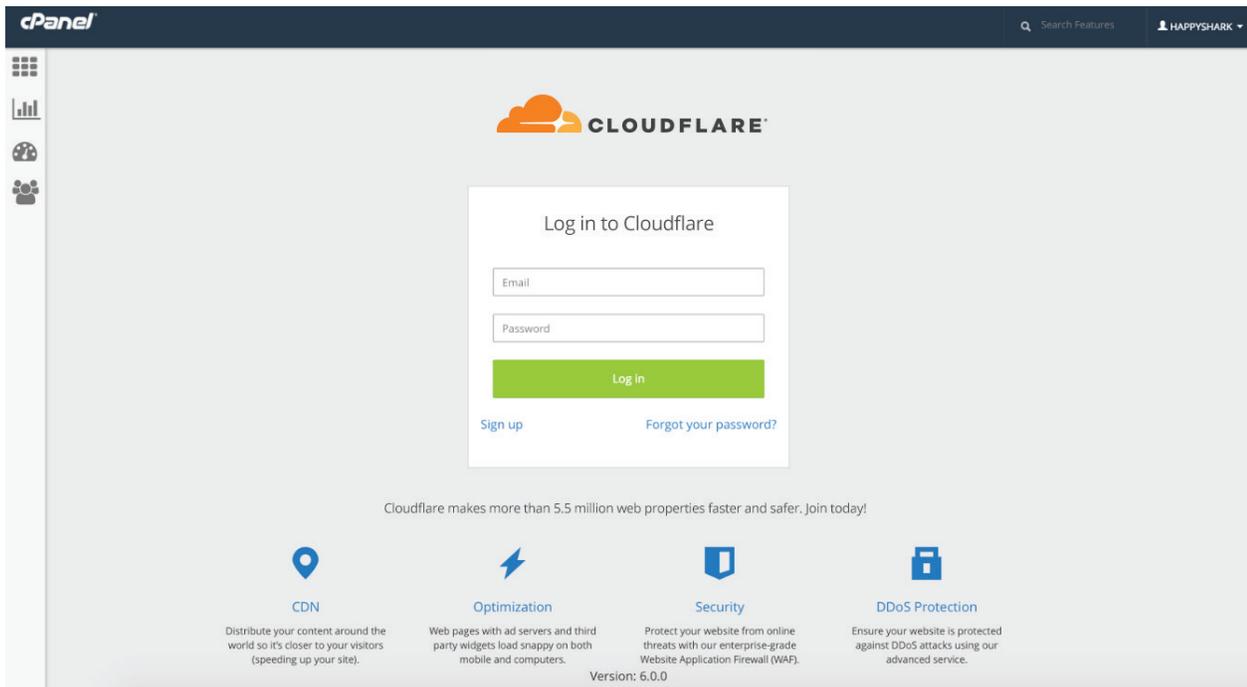
STEP 1: Find Cloudflare in the Control Panel

After the Cloudflare plugin is installed, customers will see a "Cloudflare" icon in cPanel.



STEP 2: Activation

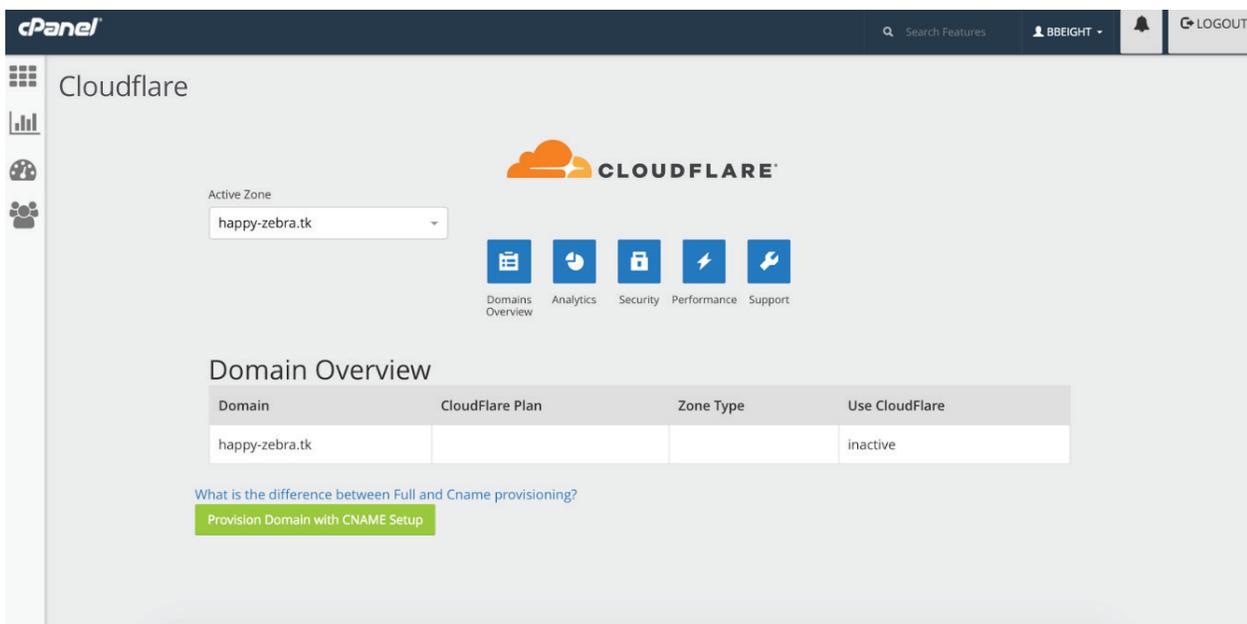
If they already have a Cloudflare direct account, sign-in. If not, click on 'Sign up'.



STEP 3: CNAME or Full DNS setup

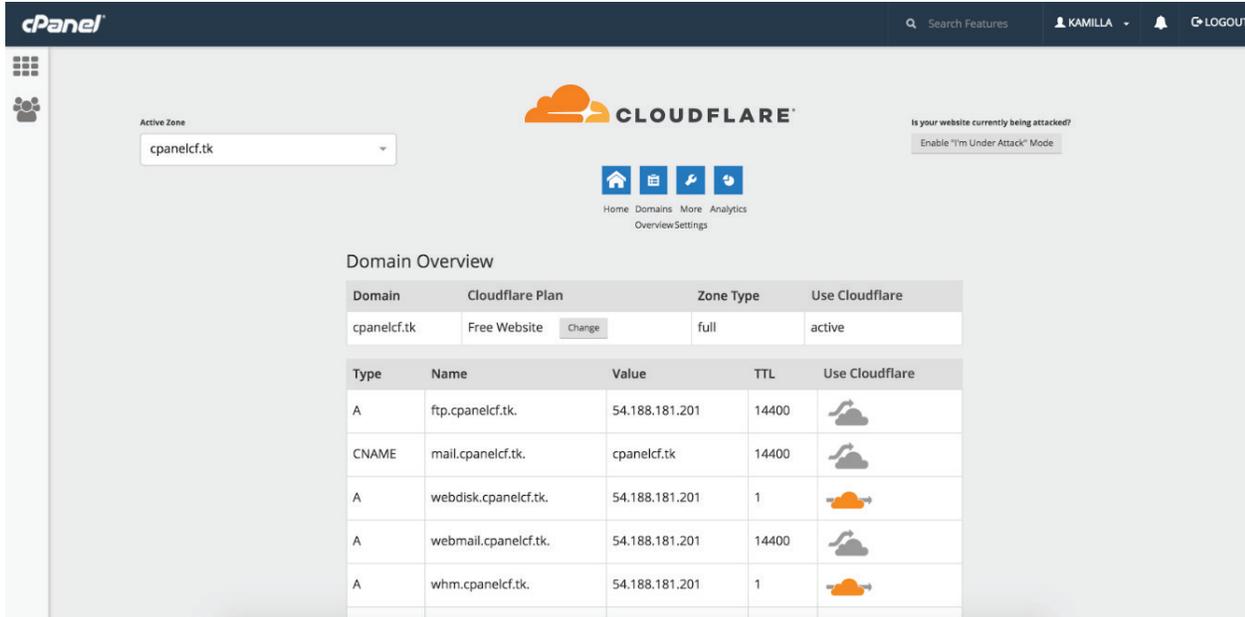
CNAME setup

By default, Cloudflare is set up for your customers using CNAME. To enable Cloudflare on CNAME, please click "Provision Domain with CNAME Setup" green button.



Full DNS option

Once you enable the Full DNS option in the config.js file, your customers can select and use either CNAME or Full DNS setup. Once a customer selects the Full DNS setup option, they will be prompted to update their name servers to the name servers provided by Cloudflare.

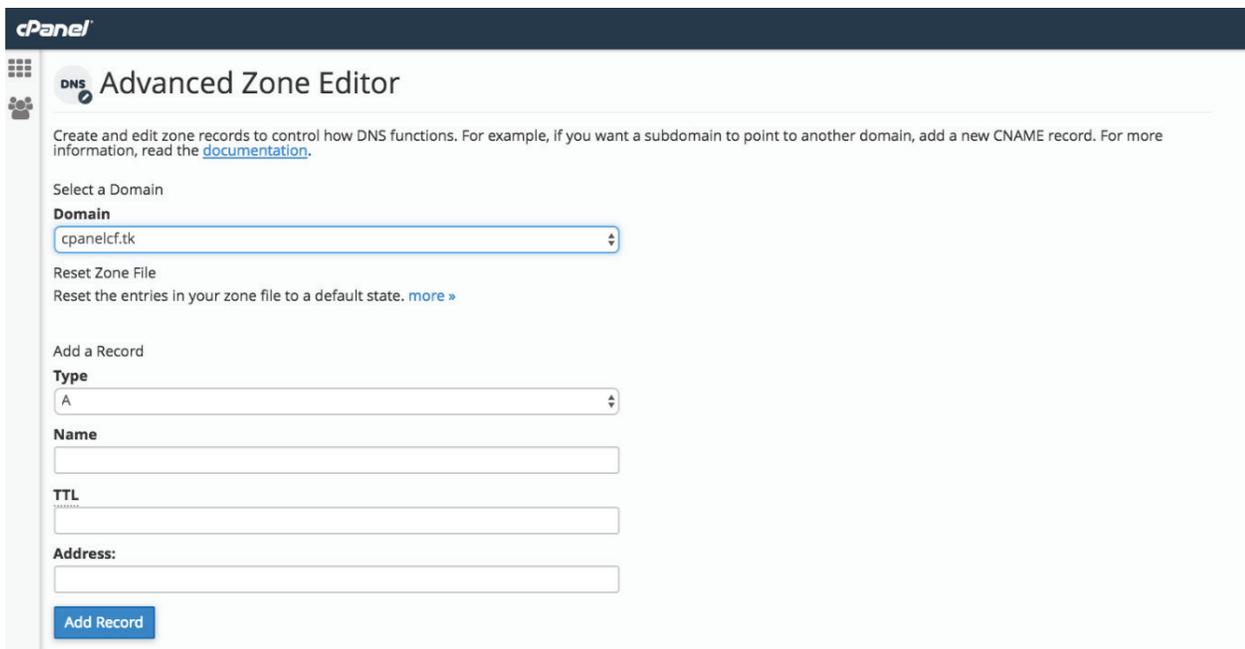


The screenshot shows the cPanel Cloudflare interface. At the top, there's a search bar and user information (KAMILLA). Below that, the active zone is set to 'cpanelcf.tk'. The Cloudflare logo is prominently displayed. A navigation bar includes Home, Domains, More, Analytics, and Overview/Settings. The main section is titled 'Domain Overview' and contains two tables.

Domain	Cloudflare Plan	Zone Type	Use Cloudflare
cpanelcf.tk	Free Website Change	full	active

Type	Name	Value	TTL	Use Cloudflare
A	ftp.cpanelcf.tk	54.188.181.201	14400	
CNAME	mail.cpanelcf.tk	cpanelcf.tk	14400	
A	webdisk.cpanelcf.tk	54.188.181.201	1	
A	webmail.cpanelcf.tk	54.188.181.201	14400	
A	whm.cpanelcf.tk	54.188.181.201	1	

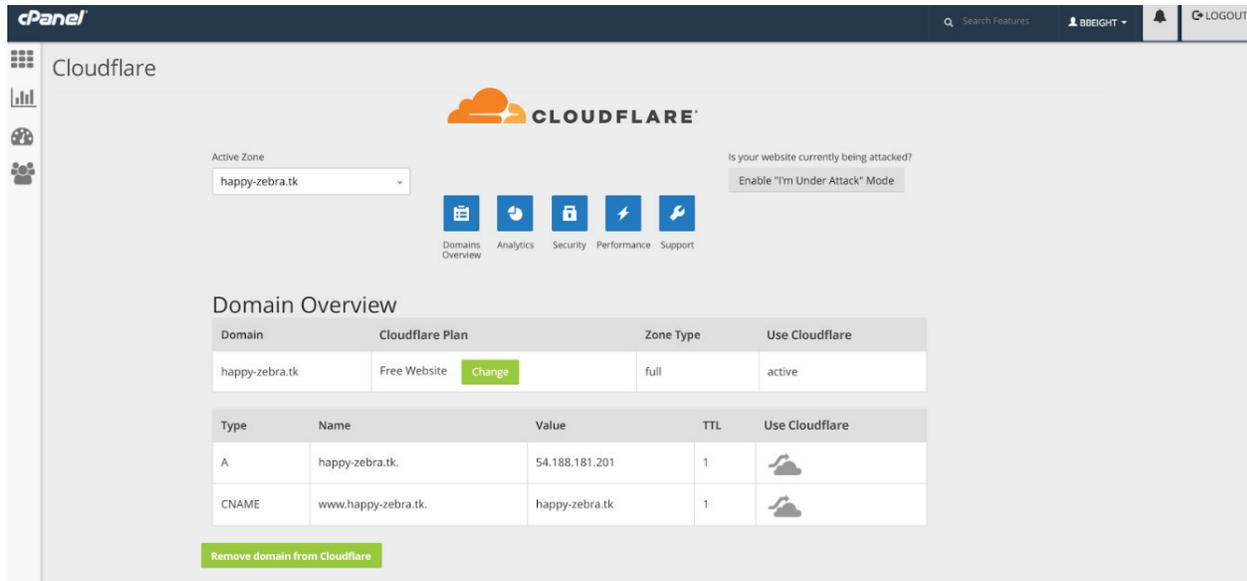
Customers will need to refresh the page after the DNS provider updates the name servers to Cloudflare's name servers. **PLEASE NOTE:** the Cloudflare plugin pulls all the DNS records from the 'Advanced Zone Editor'. If a customer wishes to add a new DNS record, they first need to create it in the 'Advanced Zone Editor'. Only after will the DNS record appear within the Cloudflare cPanel plugin UI.



The screenshot shows the 'Advanced Zone Editor' in cPanel. It includes a header with the DNS icon and the title 'Advanced Zone Editor'. Below the header, there's a brief instruction: 'Create and edit zone records to control how DNS functions. For example, if you want a subdomain to point to another domain, add a new CNAME record. For more information, read the [documentation](#).' The interface is divided into sections: 'Select a Domain' with a dropdown menu showing 'cpanelcf.tk'; 'Reset Zone File' with a link to 'more »'; 'Add a Record' section with form fields for 'Type' (set to 'A'), 'Name', 'TTL', and 'Address'. An 'Add Record' button is at the bottom.

STEP 4: Enable Cloudflare for subdomains

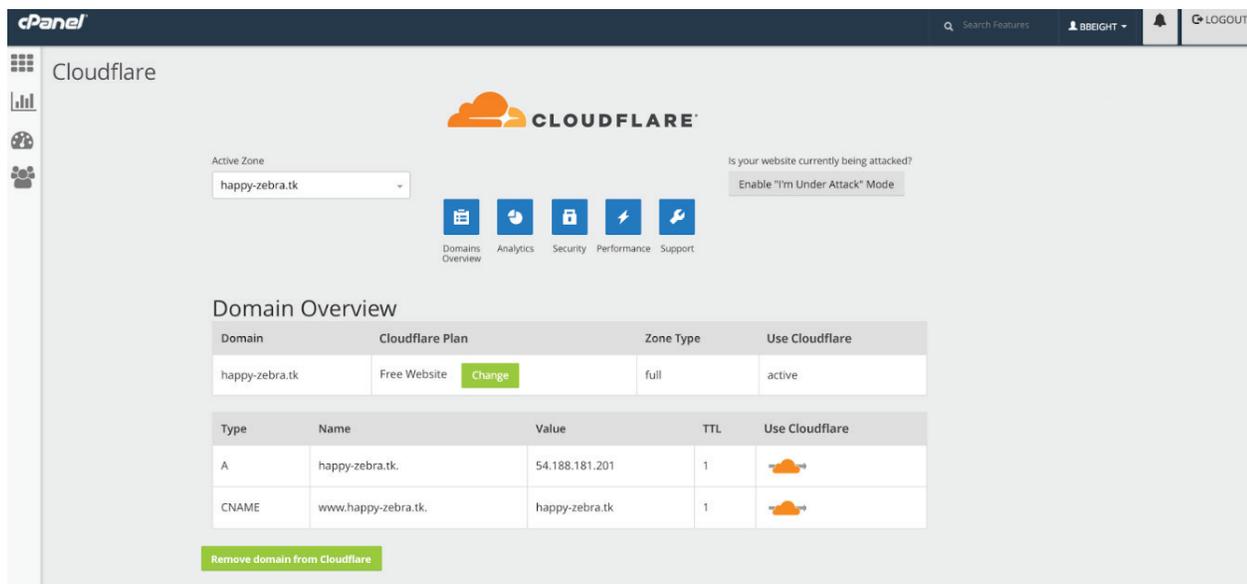
For subdomains, click the grey cloud icon and toggle to orange. This means traffic will flow through Cloudflare for these subdomains.



The screenshot shows the cPanel Cloudflare interface for the domain 'happy-zebra.tk'. The 'Active Zone' is set to 'happy-zebra.tk'. Below the navigation icons, the 'Domain Overview' table is displayed. The 'Use Cloudflare' column for the main domain is set to 'active', indicated by a green checkmark. The DNS records table shows an A record for 'happy-zebra.tk' and a CNAME record for 'www.happy-zebra.tk', both with 'Use Cloudflare' icons that are currently grey.

Domain	Cloudflare Plan	Zone Type	Use Cloudflare
happy-zebra.tk	Free Website Change	full	active

Type	Name	Value	TTL	Use Cloudflare
A	happy-zebra.tk.	54.188.181.201	1	
CNAME	www.happy-zebra.tk.	happy-zebra.tk	1	



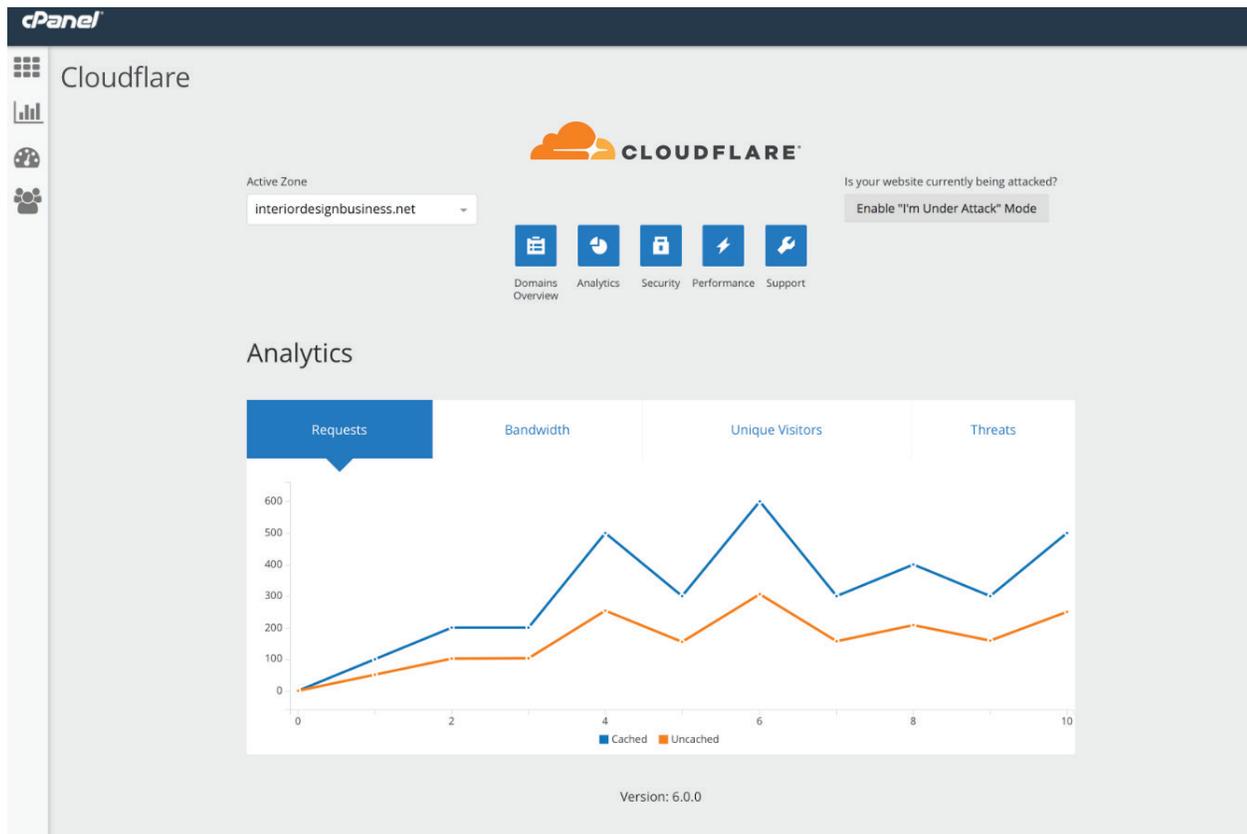
The screenshot shows the cPanel Cloudflare interface for the domain 'happy-zebra.tk'. The 'Active Zone' is set to 'happy-zebra.tk'. Below the navigation icons, the 'Domain Overview' table is displayed. The 'Use Cloudflare' column for the main domain is set to 'active', indicated by a green checkmark. The DNS records table shows an A record for 'happy-zebra.tk' and a CNAME record for 'www.happy-zebra.tk', both with 'Use Cloudflare' icons that are now orange, indicating they are enabled.

Domain	Cloudflare Plan	Zone Type	Use Cloudflare
happy-zebra.tk	Free Website Change	full	active

Type	Name	Value	TTL	Use Cloudflare
A	happy-zebra.tk.	54.188.181.201	1	
CNAME	www.happy-zebra.tk.	happy-zebra.tk	1	

STEP 5: Analytics

You can see Cloudflare analytics for each site by clicking the “Analytics” icon.



STEP 6: Additional settings and upgrades

Users can now control more Cloudflare security settings right from cPanel. In addition to selecting the basic security level of your site from *Essentially Off*, *Low*, *Medium*, or *High*, you can configure the *Challenge Passage*, which specifies how long a visitor is allowed access to your website after completing a challenge. You can enable *Browser Integrity Check* which evaluates HTTP headers from your visitors browser for threats, if a threat is found a block page will be delivered.

In addition, users can select ‘I’m under attack mode’ when experiencing a DDoS attack on Layer 7.

Since December 2016, all Cloudflare partners have had free SSL enabled by default. cPanel customers can update their SSL settings within the Cloudflare cPanel UI. By default, SSL settings are not exposed (although still accessible at cloudflare.com/login). If you wish to expose SSL settings to your customers within the cPanel interface, please update the following line in the config.js file by adding a string “SSLCard”: `/usr/local/cpanel/base/frontend/paper_lantern/cloudflare/config.js`

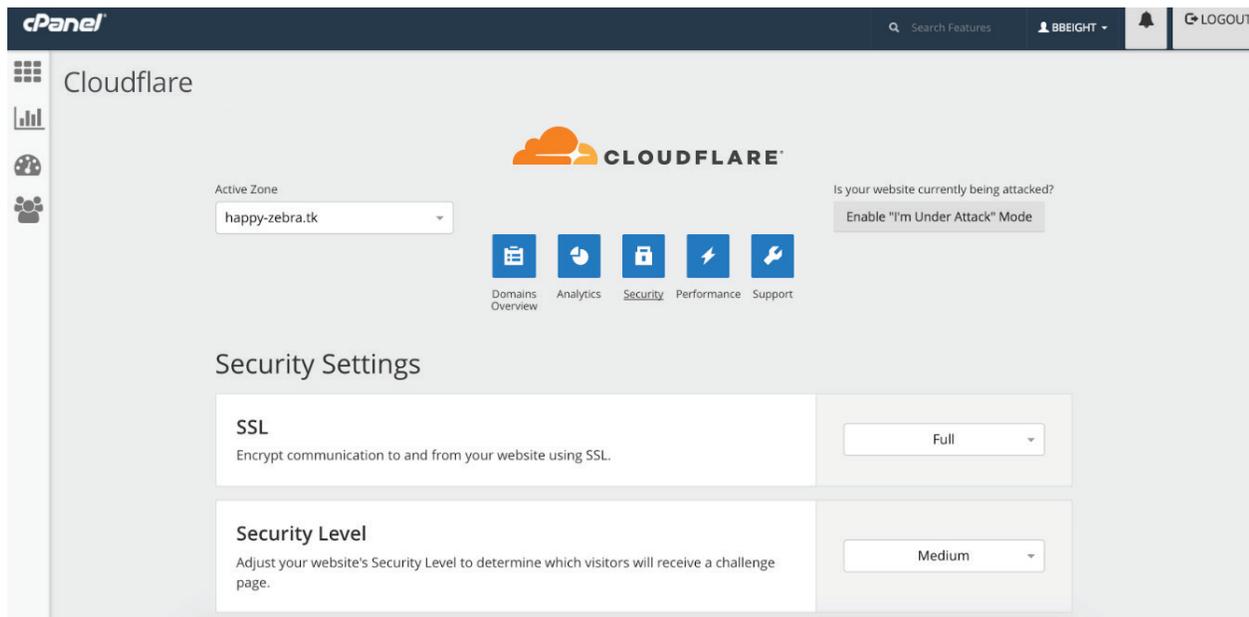
CURRENT

```
"container.moresettings.security":  
["SecurityLevelCard", "ChallengePassageCard",  
"BrowserIntegrityCheckCard"]
```

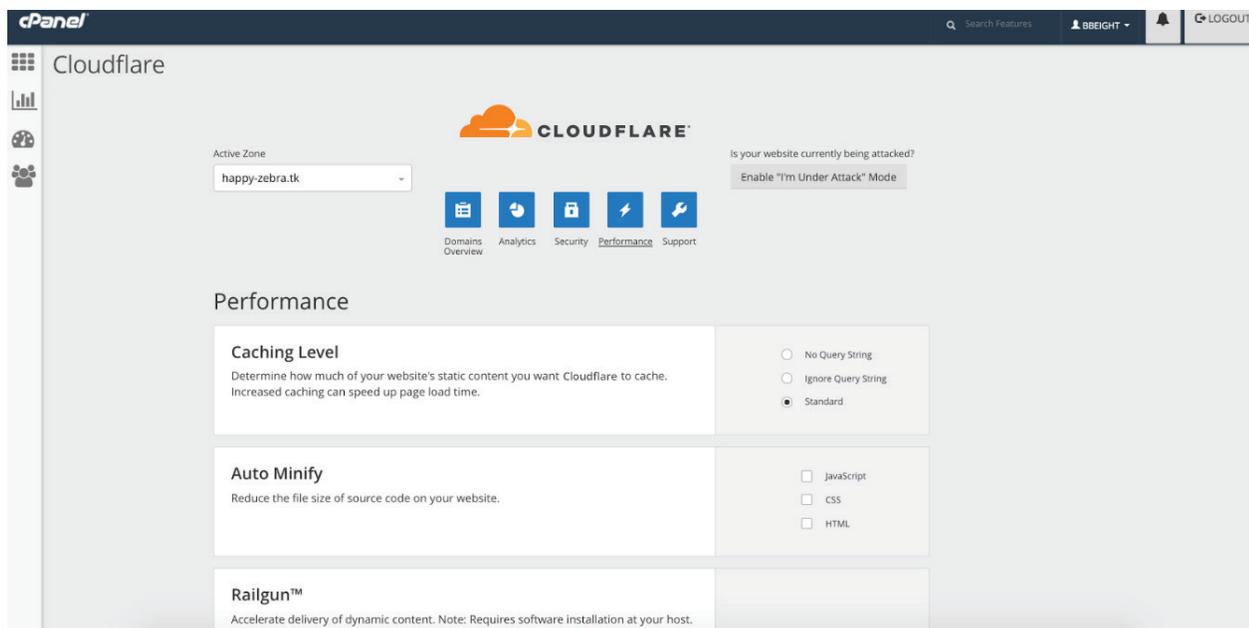
NEW

```
"container.moresettings.security":  
["SecurityLevelCard", "ChallengePassageCard",  
"BrowserIntegrityCheckCard", "SSLCard"]
```

Once your customer logs in to the Cloudflare cPanel plugin 'Security' tab, they should be able to see "SSL" settings.



To access additional settings and upgrade from "Free" to "Pro", customers need to log in to their Cloudflare.com account. If you are interested in reselling Cloudflare, contact partners@Cloudflare.com.





partners@cloudflare.com | partnersupport@cloudflare.com | www.cloudflare.com

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