Cloud Flare Setup
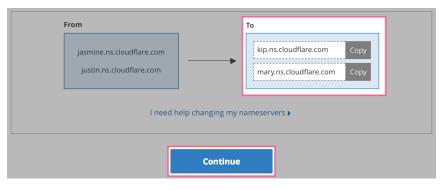
STEP 1:

1, Signup using mail id in https://www.cloudflare.com/en-in/

2, Enter the domain for your website and then click Add Site.

3, A list of all the DNS records found is displayed, including your subdomains. In this step, you can decide which subdomains you want to enable Cloudflare ( ) or bypass Cloudflare ( ). Some records, like MX, never go through Cloudflare (no cloud).

4, If there are any additional records you'd like to add, you can add them here. After you've reviewed your DNS records, click Continue.

5, Once the DNS scan has finished, uncomment domain_gd CNAME record and then click Next.

6, On the final step, you are given the Cloudflare nameservers for your domain. The Cloudflare nameservers are assigned to your domain and listed on this page.

7, Select a free / pro plan that fits most of your needs.

STEP 2:

1, Under SSL/TLS in Cloudflare dashboard set ssl to full or your required one.

2, Enable Always Use HTTPS.

3, Enable HTTP Strict Transport Security (HSTS) by enabling all the options provide in it. For Max Age Header (max-age)
Set value to maximum which is 12 months. This is a security to avoid hackers to ping our site using a hacking tool such as like burp etc.

NOTE: You need to submit a hsts preload in the given link below. After the submission it might take 3 weeks for preload to be approved. But the preload is based on the user's browser update.

        https://hstspreload.org/

4, Enable Automatic HTTPS Rewrites

5, Other options leave as default.

6, After this step you can use https://www.ssllabs.com/ssltest/ to check wether the server has enabled HSTS or not.

STEP 3:

1, Under firewall Enable Web Application Firewall.

2, In Package: OWASP ModSecurity Core Rule Set - set sensitivity to high and action to challenge.

3, In firewall rule and tools you can give block permission to access a specific url or the entire site to a specific ip or country etc. For

example you can lock your website outside of India. Like blocking use, Australia etc.

4, In zone lock down setting under firewall tools we can allow a specific url or block a specific url using ip address. (e.g allowing example.com/store/index.php)

STEP 4:

1, Under Speed in Optimization tick javascript, html and css. Other options leave it as a default.

STEP 5:

1, Under Caching in configurations you can Enable Browser Cache Expiration up to 1 year.

STEP 6:

1, Page Rules is used to set specific url page to cache level, WAF etc based on our recommendations we can use it.