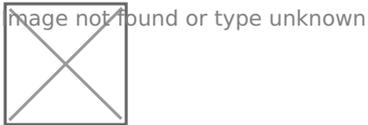


# Setup your Domain with Cloudflare



To use Cloudflare as your domain controller, you need to have a domain name already purchased. I use Porkbun because they have a very user friendly dashboard and each domain comes with free domain privacy or redaction.

✓ Redact Private Data  
Use Privacy Service

[Learn More](#)

Once you have your domain purchased, you need to create a [free Cloudflare account](#).

## Adding your domain to Cloudflare

The first time you log in to Cloudflare you'll see place to add your domain name.



### Accelerate and protect your site with Cloudflare

Enter your site (example.com):

Add site

Now click "Add site" then choose the free plan and click "Confirm plan".

## Select a plan

Included <b>Free</b>	Upgrade to <b>Pro</b>	Upgrade to <b>Business</b>	Upgrade to <b>Enterprise</b>
<b>\$0 / month</b>	<b>\$20 / month</b> Billed monthly	<b>\$200 / month</b> Billed monthly	<b>Get in touch</b>
Cloudflare for Individuals is built on our global network. This package is ideal for people with personal or hobby projects that aren't business-critical.	Cloudflare for Professionals is ideal for people that want to protect and accelerate their professional websites or blog.	Cloudflare's PCI-compliant Business plan is ideal for small businesses operating online. This package includes a 100% uptime SLA, advanced security features, and gives you prioritized customer support.	Fill out the contact form, and continue by selecting the Free plan.  For companies requiring enterprise-grade security and performance, prioritized 24/7/365 phone, email, or chat support, and guaranteed uptime.
<b>Core Features</b>	<b>Core Features</b>	<b>Core Features</b>	<b>Core Features</b>
<ul style="list-style-type: none"><li>✓ DDoS attack mitigation</li><li>✓ Global Content Delivery Network</li><li>✓ Support via email</li></ul>	Everything in Free, plus: <ul style="list-style-type: none"><li>✓ Enhanced security with Web Application Firewall (WAF)</li><li>✓ Lossless image optimization</li><li>✓ Automatic mobile optimization</li><li>✓ Cache Analytics</li></ul>	Everything in Pro, plus: <ul style="list-style-type: none"><li>✓ 24x7x365 chat support</li><li>✓ 100% uptime SLA</li><li>✓ CNAME set-up compatibility</li><li>✓ Easy PCI compliance</li><li>✓ Use your own SSL certificate</li></ul>	Everything in Business, plus: <ul style="list-style-type: none"><li>✓ Prioritized IP ranges</li><li>✓ Named solutions engineer support</li><li>✓ 25x reimbursement uptime SLA</li><li>✓ Role-based account access</li></ul>
<b>Support resource:</b> Median email response time of less than 24 hours.	<b>Support resource:</b> Median email response time of less than 4 hours.	<b>Support resource:</b> Median email response time of less than 2 hours.	<b>Support resource:</b> Median email response time of less than 1 hour.

[Learn more about our plans](#)

Confirm plan

Now Cloudflare will scan your current dns records. These records will most likely be using the DNS records of your domain reseller. In my case it would be Porkbun DNS.

### Quick scan

We are scanning your site for DNS records to import automatically into your Cloudflare configuration.

Scanning for existing DNS records



Since this domain is already using Cloudflare, it shows the cloudflare dns IPs

## Add more DNS records for thehomelab.wiki

Proxy traffic for A, AAAA, and CNAME records by clicking the cloud icon.

 Proxied: Accelerates and protects traffic

 DNS resolution only: Bypasses Cloudflare

**Note:** Records with no cloud icon use DNS resolution but cannot be proxied.

### DNS management for thehomelab.wiki

+ Add record

Q Search DNS Records

☰ Advanced

Type	Name	Content	TTL	Proxy status	
A	analytics	104.28.31.34	Auto	 Proxied	<a href="#">Delete</a>
A	analytics	172.67.130.37	Auto	 Proxied	<a href="#">Delete</a>
A	analytics	104.28.30.34	Auto	 Proxied	<a href="#">Delete</a>
A	thehomelab.wiki	172.67.130.37	Auto	 Proxied	<a href="#">Delete</a>
A	thehomelab.wiki	104.28.31.34	Auto	 Proxied	<a href="#">Delete</a>
A	thehomelab.wiki	104.28.30.34	Auto	 Proxied	<a href="#">Delete</a>
AAAA	thehomelab.wiki	2606:4700:3035::681c:1e22	Auto	 Proxied	<a href="#">Delete</a>
AAAA	thehomelab.wiki	2606:4700:3034::ac43:8225	Auto	 Proxied	<a href="#">Delete</a>
AAAA	thehomelab.wiki	2606:4700:3033::681c:1f22	Auto	 Proxied	<a href="#">Delete</a>

Continue

Now click "Continue". Next we have to replace the domain reseller name servers with the provided Cloudflare name servers. again, I already did this.

## Change your nameservers

**i** Pointing to Cloudflare's nameservers is critical for activating your site successfully. Otherwise, Cloudflare is unable to manage your DNS and optimize your site.

### 1. Log in to your registrar account

Determine your registrar via [WHOIS](#).

Remove these nameservers:

```
mimi.ns.cloudflare.com  
ridge.ns.cloudflare.com
```

### 2. Replace with Cloudflare's nameservers:

 Nameserver 1

```
ernest.ns.cloudflare.com
```

Click to copy

 Nameserver 2

```
kristin.ns.cloudflare.com
```

Click to copy

Check to make sure they're correct, then **Save your changes**.

Registrars typically process nameserver updates within 24 hours. Once this process completes, Cloudflare confirms your site activation via email.

Learn how to [change nameservers in Cloudflare](#).

**Done, check nameservers**

Don't click "Done" until you go to your domain provider and change the name servers. This is where you do it in Porkbun.



WEBSITE	Nothing Yet <a href="#">Edit</a>	DNS RECORDS	7 records set <a href="#">Edit</a>
EMAIL	1 Pending Setup <a href="#">Edit</a>	AUTHORITATIVE NAMESERVERS	mimi.ns.cloudflare.com ridge.ns.cloudflare.com <a href="#">Edit</a>

Once the domain name name servers have been changed, click "Done" in Cloudflare.

Now it will take you through a "Quick start guide" where you can make a few adjustments to your settings.

[← Back](#)

### Quick Start Guide

Configure your domain settings to improve security, optimize performance, and get the most from your account.

- 1 Improve security
- 2 Optimize performance
- 3 Summary

[Get started](#)

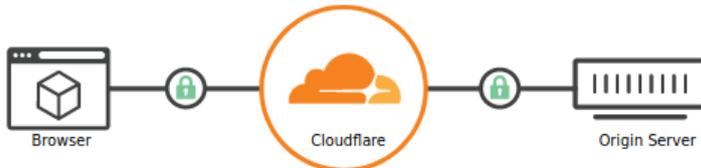
[Finish later](#)

I like to set the Encryption method to FULL because this seems to be the best suited option when using a reverse proxy.

## 1 Improve security

### SSL/TLS Encryption Mode

✔ Your SSL/TLS encryption mode is Full



- Off (not secure) ⓘ  
No encryption applied
- Flexible  
Encrypts traffic between the browser and Cloudflare
- Full  
Encrypts end-to-end, using a self signed certificate on the server
- Full (strict)  
Encrypts end-to-end, but requires a trusted CA or Cloudflare Origin CA certificate on the server

Learn more about [End-to-end encryption with Cloudflare](#)

[API](#) ▶ [Help](#) ▶

Save

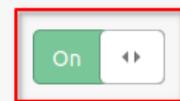
I turn on "always use HTTPS" because this will automatically send traffic through your SSL.

### Always use HTTPS

#### Always Use HTTPS

Redirect all requests with scheme "http" to "https". This applies to all http requests to the zone.

This setting was last changed a few seconds ago



[API](#) ▶ [Help](#) ▶

Previous

Save

Auto Minify. I never check or change anything here. Just click "Save" and move on.

## Auto Minify

Reduce the file size of source code on your website.

**Note:** Purge cache to have your change take effect immediately.

- JavaScript
- CSS
- HTML

[API](#) [Help](#)

Previous

Save

By default, Brotli is on. Leave this as is. It's always good to have more speed!

## Brotli

Speed up page load times for your visitor's HTTPS traffic by applying Brotli compression.

On

[API](#) [Help](#)

Previous

Save

Finish the guide and wait for your domain servers to change to Cloudflare.

Cloudflare periodically checks whether you have pointed your nameservers to Cloudflare. To perform an immediate nameserver check, click **Re-check now**.

[Re-check now](#)

You can click "Re-check now" once to get a status update. You will get an email when your domain is ready to be managed through Cloudflare.

Now you can ping your domain to see that it is indeed using the Cloudflare DNS.

Image not found or type unknown



Revision #7

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