Foxbright	Name Server Migration to Cloudflare

Please review these instructions carefully (there are 2 pages)

- **Failure to properly migrate your DNS Zone Records OR NOT setting the SSL/TLS Settings to FULL AFTER switching to Cloudflare Name Servers will result in website / email outages.**
- **DNS Migration should take around ½ hour.**

Sign Up and Add Your Site

1) **Sign Up:** Go to Cloudflare and sign up for an account.
2) **Add Your Site:** Once logged in, add your website to Cloudflare. Enter your domain name and click "Add Site."

DNS Records Import

1) **Scan for DNS Records**: Cloudflare will scan your existing DNS records.
   a) Some Providers (like GoDaddy), provide an option to export your zone records, if this is available from your provider, please export your zone records.
2) **CAREFULLY review your Cloudflare Zone Records** to ensure ALL records have been transferred to the Cloudflare account.
3) Make any necessary adjustments to ensure all records are accurate.

Choose a Plan

Choose the Cloudflare plan that best suits your needs. For DDoS protection, **the free plan offers basic protection**, but higher-tier plans provide more advanced features.

Update Nameservers

1) **Get Cloudflare Nameservers**: Cloudflare will provide you with new nameservers. They will look something like alex.ns.cloudflare.com and lara.ns.cloudflare.com.

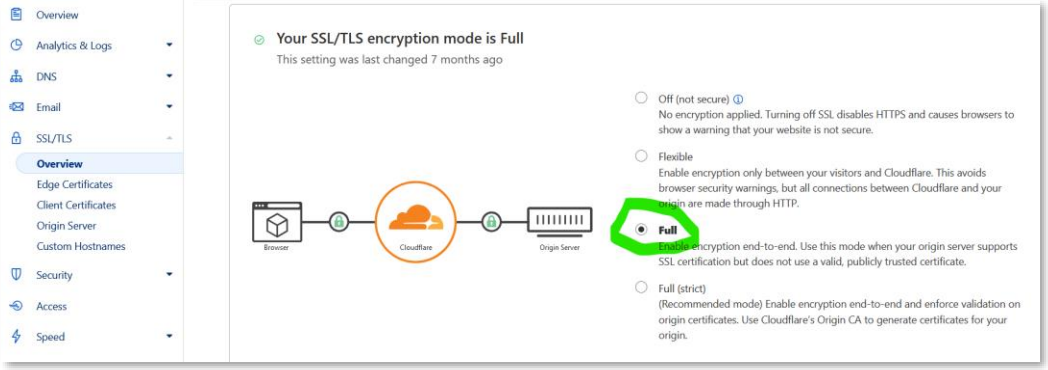
2) **Update Registrar:** Log in to your domain registrar's website (e.g., GoDaddy, Namecheap, etc.) and replace your current nameservers with the ones provided by Cloudflare. The exact process varies by registrar, but typically you'll find this option under "DNS Settings" or "Domain Management."
   a) A tool that can be helpful when switching Name Servers is Google Admin ToolBox Dig. This allows you to see DNS records and Name Servers for your domain. Remember to clear your browser cache frequently to pick up changes.

Wait for Propagation

Propagation Time: DNS changes can take up to 48 hours to propagate worldwide, but they often update much faster (usually within minutes to ½ hour). **During this time, your site may experience brief periods of downtime. If the site does go down, please check the following:**

1) **SSL/TLS Settings**: Make sure this setting is set to **FULL**. We have witnessed this setting being changed to Flexible causing website outage due to “too many redirects” after updating to use the Cloudflare Name Servers at your registrar.

   Configure SSL/TLS settings in Cloudflare to ensure your site remains secure. Cloudflare offers various options such as Flexible, **Full**, and Full (Strict). Make sure this is set to **FULL**.

   a) 

   Your SSL/TLS encryption mode is Full

   This setting was last changed 7 months ago

   ○ Off (not secure)
   No encryption applied. Turning off SSL disables HTTPS and causes browsers to show a warning that your website is not secure.

   ○ Flexible
   Enable encryption only between your visitors and Cloudflare. This avoids browser security warnings, but all connections between Cloudflare and your origin are made through HTTP.

   ● **Full**
   Enable encryption end-to-end. Use this mode when your origin server supports SSL certification but does not use a valid, publicly trusted certificate.

   ○ Full (strict)
   (Recommended mode) Enable encryption end-to-end and enforce validation on origin certificates. Use Cloudflare's Origin CA to generate certificates for your origin.

2) **Firewall and Security Settings**: Enable and configure Cloudflare’s firewall and DDoS protection settings. Adjust security levels based on your needs.

Important: Foxbright requires **FULL** setting as Foxbright will continue to maintain your SSL Certificate.

Monitor and Optimize

1) Monitor Performance: Regularly monitor your site’s performance and security through the Cloudflare dashboard.
2) Optimize Settings: Adjust settings for caching, page rules, and performance optimization as necessary.

Additional Tips

- **Enable Always Online:** This feature allows a cached version of your site to be served if your origin server goes down.
- **Use Web Application Firewall (WAF):** For additional security, consider enabling the WAF, especially if you are on a paid plan.
- **Configure Page Rules:** Set up page rules to optimize how Cloudflare caches and serves your content.