

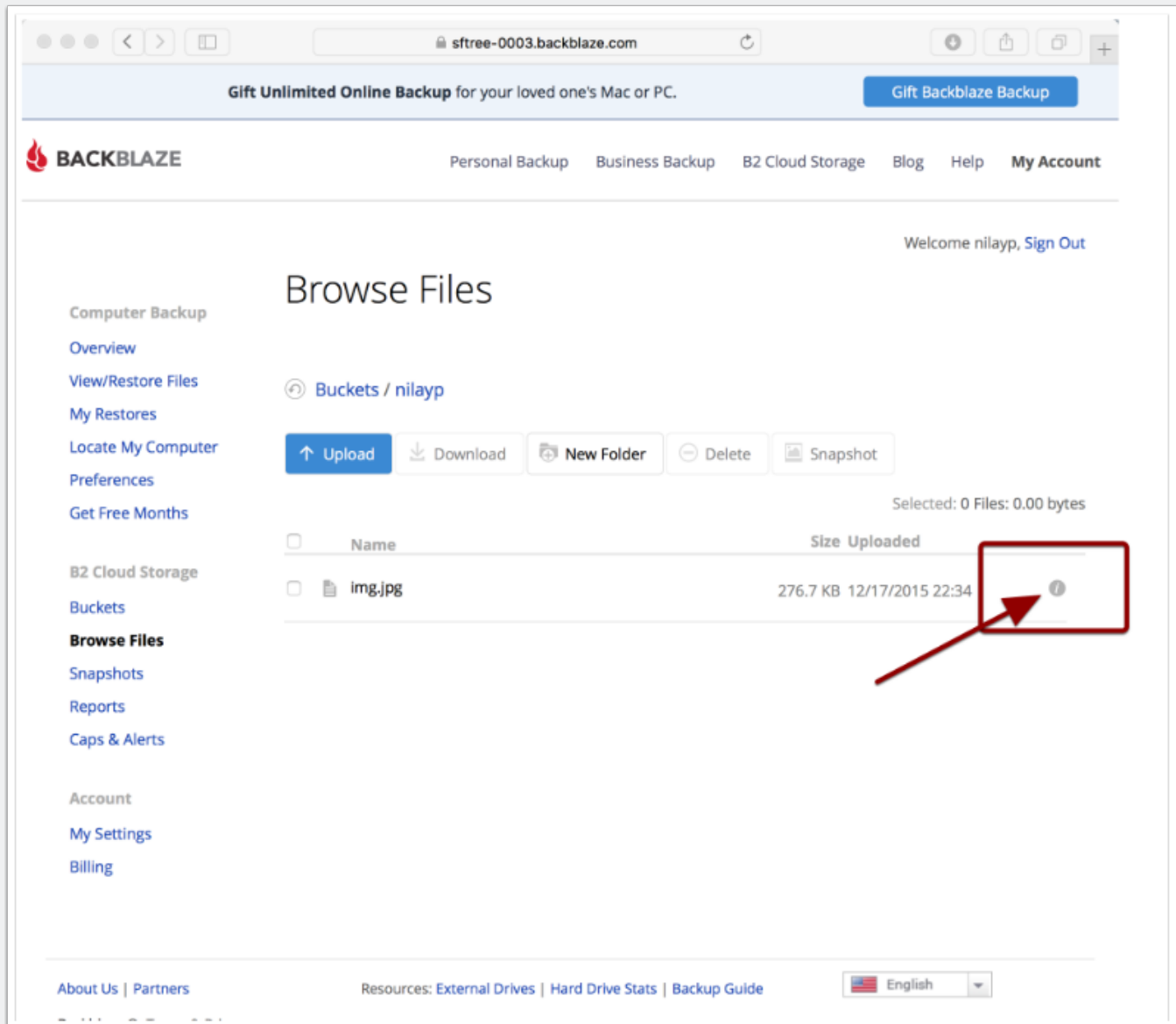
Configuring Cloudflare and B2

This article helps you configure Cloudflare to front a public B2 bucket. This will allow you to use your domain name, instead of f000.backblazeb2.com. In this article, you'll be shown how to find your B2 download URL and how to configure CloudFlare with your domain and B2.

Browse the public bucket you want to share

Login to your Backblaze B2 account, browse into the bucket you wish to share. From there, click the information icon.

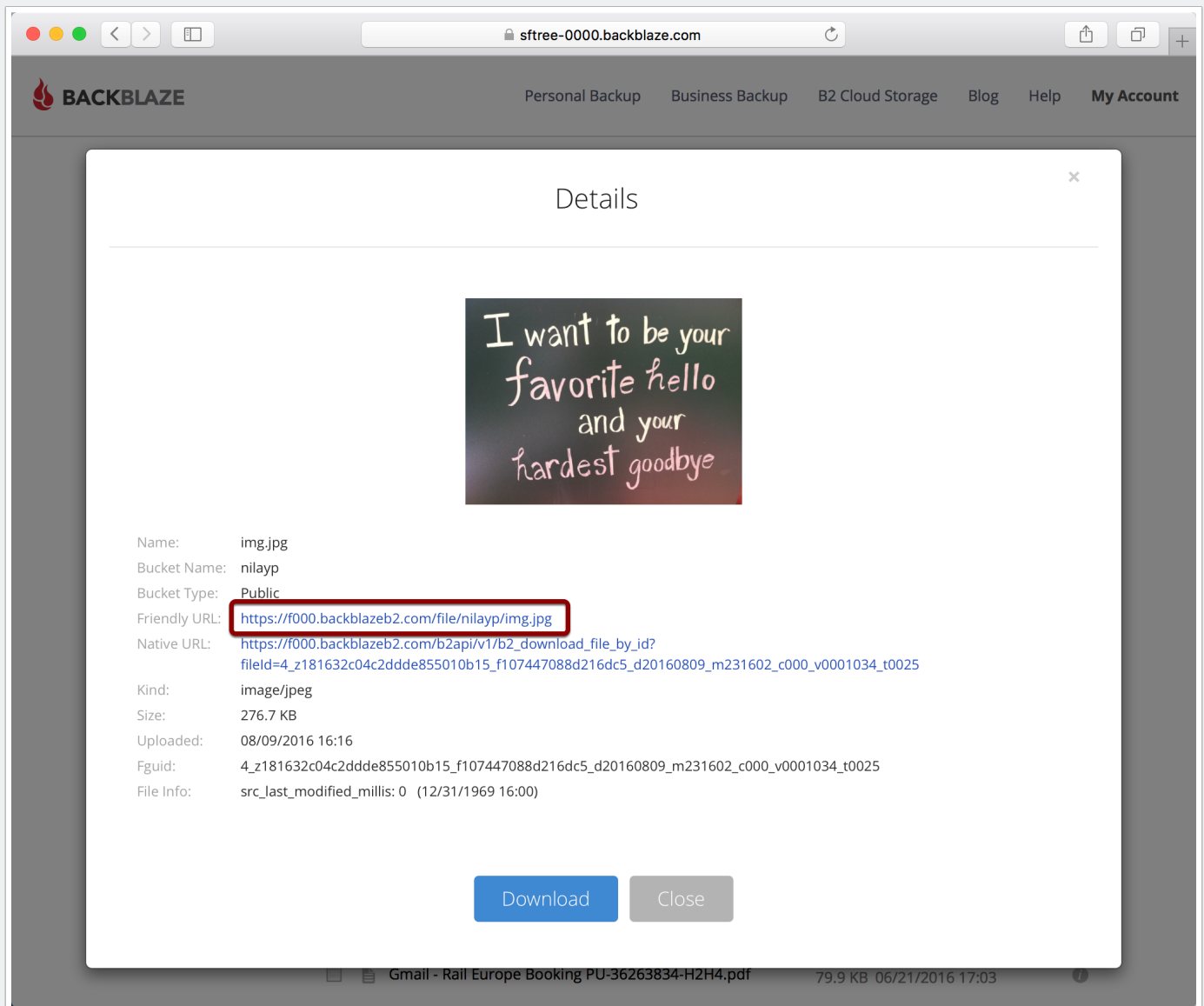
Configuring Cloudflare and B2



Configuring Cloudflare and B2

Discover your B2 public URL

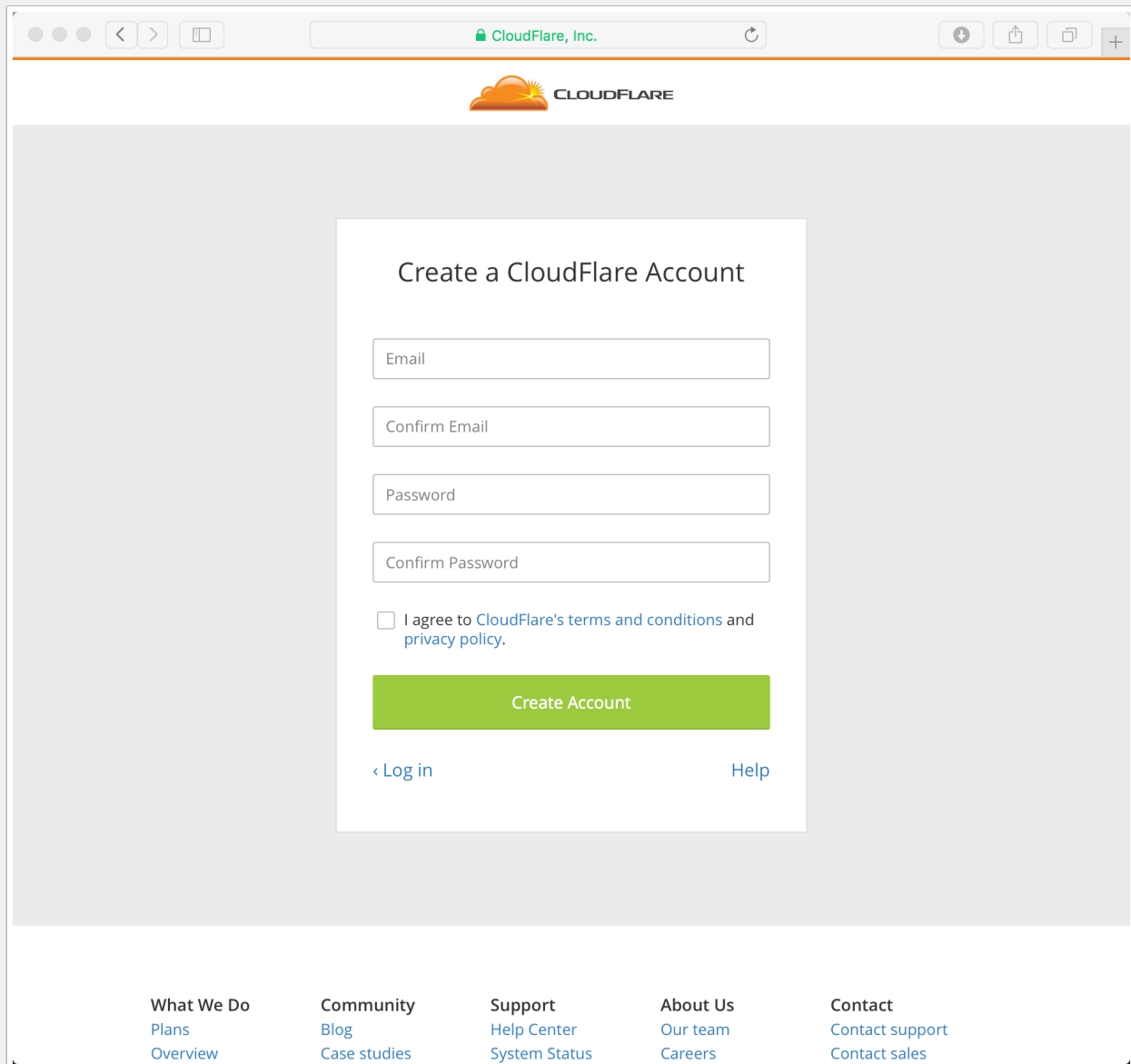
The URL to display the file should be either <https://f000.backblazeb2.com>, <https://f001.backblazeb2.com> or something similar. Clicking on the link should take you to the image. (If you receive a permissions error - ensure your bucket is public.)



Configuring Cloudflare and B2

Sign up for an account on Cloudflare

Visit <https://www.cloudflare.com/a/sign-up> and Signup for an account.



The screenshot shows a web browser window with the address bar displaying "CloudFlare, Inc.". The page features the Cloudflare logo at the top. The main content area is a "Create a CloudFlare Account" form. The form includes four input fields: "Email", "Confirm Email", "Password", and "Confirm Password". Below these fields is a checkbox labeled "I agree to CloudFlare's terms and conditions and privacy policy." with a link to the policy. A green "Create Account" button is positioned below the checkbox. At the bottom of the form, there are links for "< Log in" and "Help". The footer of the page contains five columns of links: "What We Do" (Plans, Overview), "Community" (Blog, Case studies), "Support" (Help Center, System Status), "About Us" (Our team, Careers), and "Contact" (Contact support, Contact sales).

Create a CloudFlare Account

Email

Confirm Email

Password

Confirm Password

☐ I agree to CloudFlare's terms and conditions and [privacy policy](#).

Create Account

< Log in Help

What We Do
Plans
Overview

Community
Blog
Case studies

Support
Help Center
System Status

About Us
Our team
Careers

Contact
Contact support
Contact sales

Configuring Cloudflare and B2

Add a website

Add your domain to the bottom of the screen and tap scan. Cloudflare will read your domain's configuration from DNS. When the scan is complete, push Continue.

Cloudflare, Inc.

Add site Support nilayp@gmail.c...

Add Website Add DNS Records Select Plan Update Nameservers

Get Started With CloudFlare

- ✓ Add Website
Add your first website. You can add more after this signup process.
- 🔧 Add DNS Records
We will scan your DNS records. You can modify your DNS records before moving on.
- 📋 Select Plan
Select the plan that meets your needs.
- 🔧 Update Nameservers
Sign into your registrar to update your current nameservers with CloudFlare nameservers.

Add a website

There is no downtime when you add a domain.

Scan DNS Records

Send Feedback

Configuring Cloudflare and B2

Add a DNS record

1. Select CNAME from the record type pulldown.
2. Type your hostname. For example, if you want the bucket to be mapped to photos.mydomain.com, the Name field would be photos.
3. Specify the B2 public URL, from the first step. For example, f000.backblazeb2.com.
4. Push "Add Record".

DNS Records For sarahandnilay.com

A, AAAA, and CNAME records can have their traffic routed through the CloudFlare system. Add more records using this form, and click the cloud next to each record to toggle CloudFlare on or off.

An A, AAAA, CNAME, or MX record is pointed to your origin server exposing your origin IP address.

On CloudFlare
Traffic will be accelerated and protected by CloudFlare

Off CloudFlare
Traffic will bypass CloudFlare's network

Search DNS records

1 2 3 4

CNAME Name Domain name Automatic TTL Add Record



Type	Name	Value	TTL	Status
A	*	points to 173.234.143.166	Automatic	
A	sarahandnilay.c...	points to 173.234.143.166	Automatic	

Configuring Cloudflare and B2

Complete DNS record

1. Tap the grey cloud under Status. This should turn it into an orange cloud.

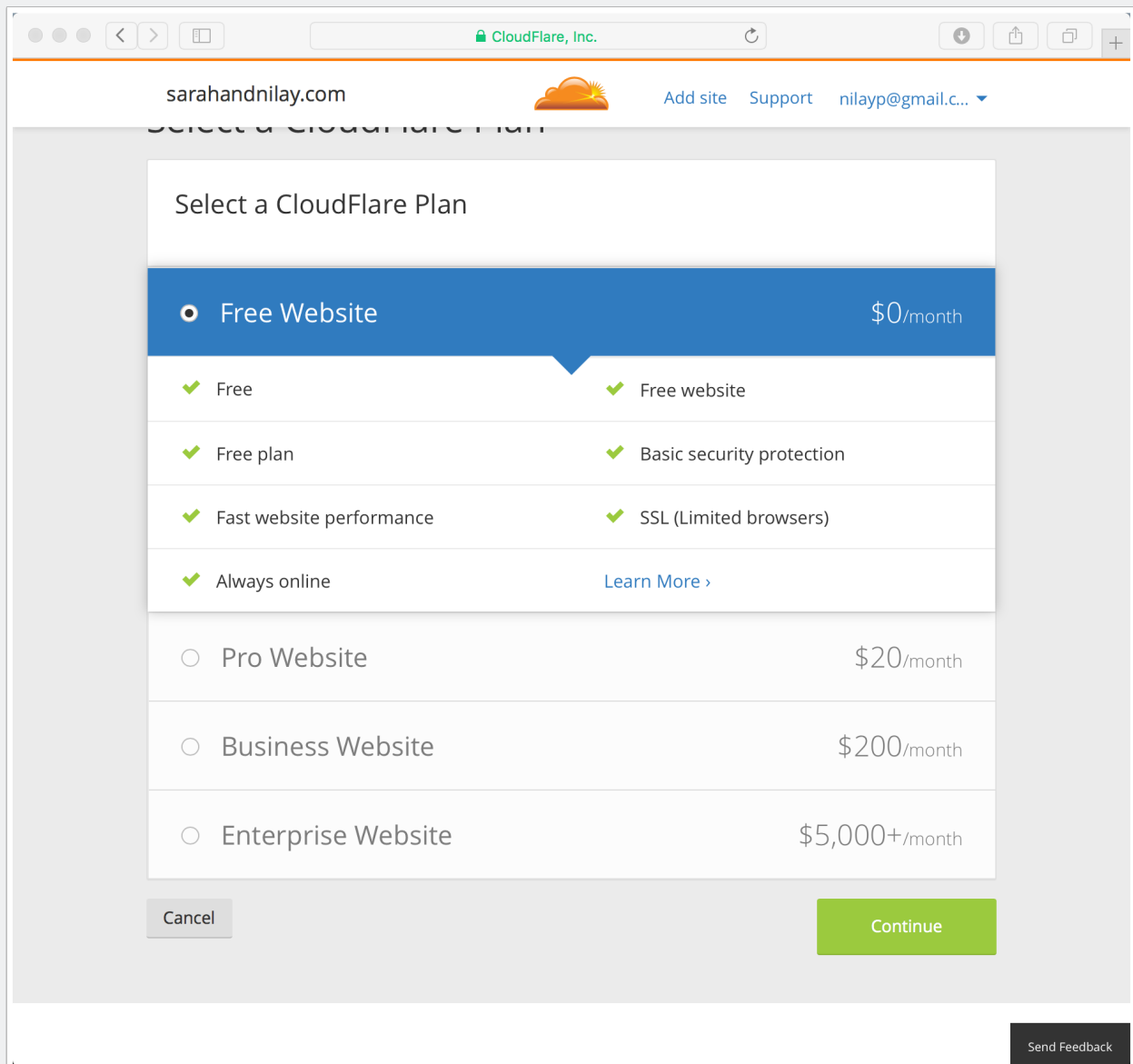
Push Continue at the bottom of the page.

Type	Name	Value	TTL	Status
CNAME	photos	is an alias of f000.backblaz...	Automatic	 

Configuring Cloudflare and B2

Billing

Select the billing plan that's appropriate for you. The free website option works with B2 and can be used. Push continue to go on.



The screenshot shows a web browser window with the URL 'sarahandnilay.com' and the Cloudflare logo. The page title is 'Select a Cloudflare Plan'. The modal displays four billing plans: Free Website, Pro Website, Business Website, and Enterprise Website. The Free Website plan is selected and highlighted in blue. It lists features: Free, Free plan, Fast website performance, Always online, Free website, Basic security protection, and SSL (Limited browsers). A 'Learn More >' link is present. The Pro Website plan is \$20/month, Business Website is \$200/month, and Enterprise Website is \$5,000+/month. At the bottom, there are 'Cancel' and 'Continue' buttons. A 'Send Feedback' button is in the bottom right corner.

Plan	Price
<input checked="" type="radio"/> Free Website	\$0/month
<input type="radio"/> Pro Website	\$20/month
<input type="radio"/> Business Website	\$200/month
<input type="radio"/> Enterprise Website	\$5,000+/month

Features for Free Website:

- ✓ Free
- ✓ Free plan
- ✓ Fast website performance
- ✓ Always online
- ✓ Free website
- ✓ Basic security protection
- ✓ SSL (Limited browsers)

[Learn More >](#)

[Send Feedback](#)

Configuring Cloudflare and B2

Change your nameservers

In order for Cloudflare to map your domain on a B2 bucket, you need to change CloudFlare to be the domain name servers for your domain. Generally speaking, you need to do this from your domain registrar's website. *Be careful when changing the settings for your domain. If you don't do this correctly - your domain could be temporarily removed from the internet.*

Once this change is made - it can take at most 24 hours for the changes to propagate across the internet.

Configuring Cloudflare and B2

The screenshot shows the Cloudflare interface for the domain sarahandnilay.com. The page title is 'Change Your Nameservers' with a subtext: 'Your website will not experience any downtime when you change your nameservers.' A message states: 'We could not detect the registrar for sarahandnilay.com'. Below this, an information icon and text explain that the transfer process can take up to 24 hours and that there will be no downtime. A table lists the current nameservers and the new ones to be added. The current nameservers are ns-cloud1.googledomains.com, ns-cloud2.googledomains.com, ns-cloud3.googledomains.com, and ns-cloud4.googledomains.com. The new nameservers are coco.ns.cloudflare.com and sean.ns.cloudflare.com. There are also options to remove the last two current nameservers. At the bottom, there are 'Cancel' and 'Continue' buttons. The footer includes links for 'What We Do', 'Community', 'Support', 'About Us', and 'Contact', along with a 'Send Feedback' button.

sarahandnilay.com

Cloudflare, Inc.

Add site Support nilayp@gmail.c...

Change Your Nameservers

Your website will not experience any downtime when you change your nameservers.

We could not detect the registrar for sarahandnilay.com

The transfer process can take up to 24 hours. There will be no downtime when you switch your name servers. Traffic will gracefully roll from your old name servers to the new name servers without interruption. Your site will remain available throughout the switch.

Current Nameservers	Change Nameservers to:
ns-cloud1.googledomains.com	coco.ns.cloudflare.com
ns-cloud2.googledomains.com	sean.ns.cloudflare.com
ns-cloud3.googledomains.com	Remove this nameserver
ns-cloud4.googledomains.com	Remove this nameserver

Help ▸

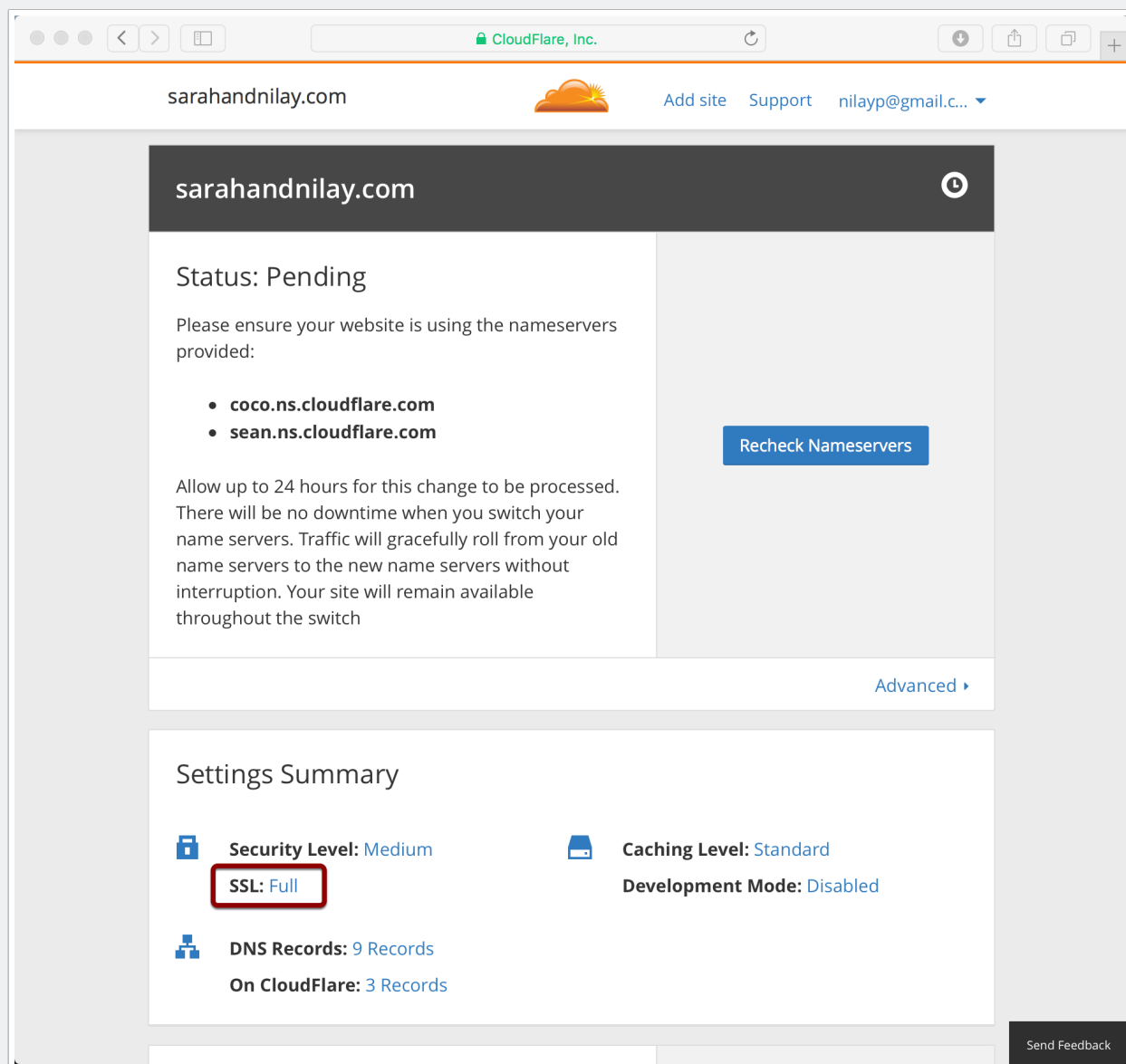
Cancel Continue

What We Do Community Support About Us Contact Send Feedback

Configuring Cloudflare and B2

Ensure you SSL settings are correct.

Ensure your SSL settings are set to Full. This is the default setting.



Configuring Cloudflare and B2

Finished

When your DNS changes are propagated, your domain can be used to serve data out of a B2 bucket. The Cloudflare configuration screen will show the Status as being active.

Browsing to your domain, followed by /file/<bucketname>/filename will display your file.

For example, from the screenshots above, <https://photos.sarahandnilay.com/file/nilayp/img.jpg> is mapped to <https://f001.backblazeb2.com/file/nilayp/img.jpg>

Note that this only works using https:// or SSL. Unencrypted HTTP (<http://>) is not supported by Backblaze B2.

Configuring Cloudflare and B2

