

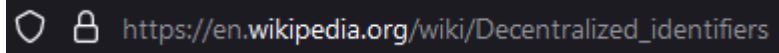
btc.us web bridge tutorial

Using the redirect feature in easy mode or advanced mode

1. A simple redirect (5 steps):

http redirect, supports redirect to https and will show the destination address in the browsers navigation bar

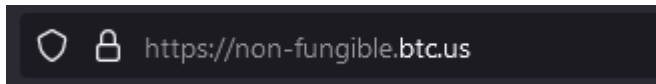
Example: navigate to <http://did.btc.us> and get redirected to:



2. Advanced redirect:

https redirect, domain remains in address bar and has its own SSL certificate.

Navigate to <https://non-fungible.btc.us> and get *redirected* to:



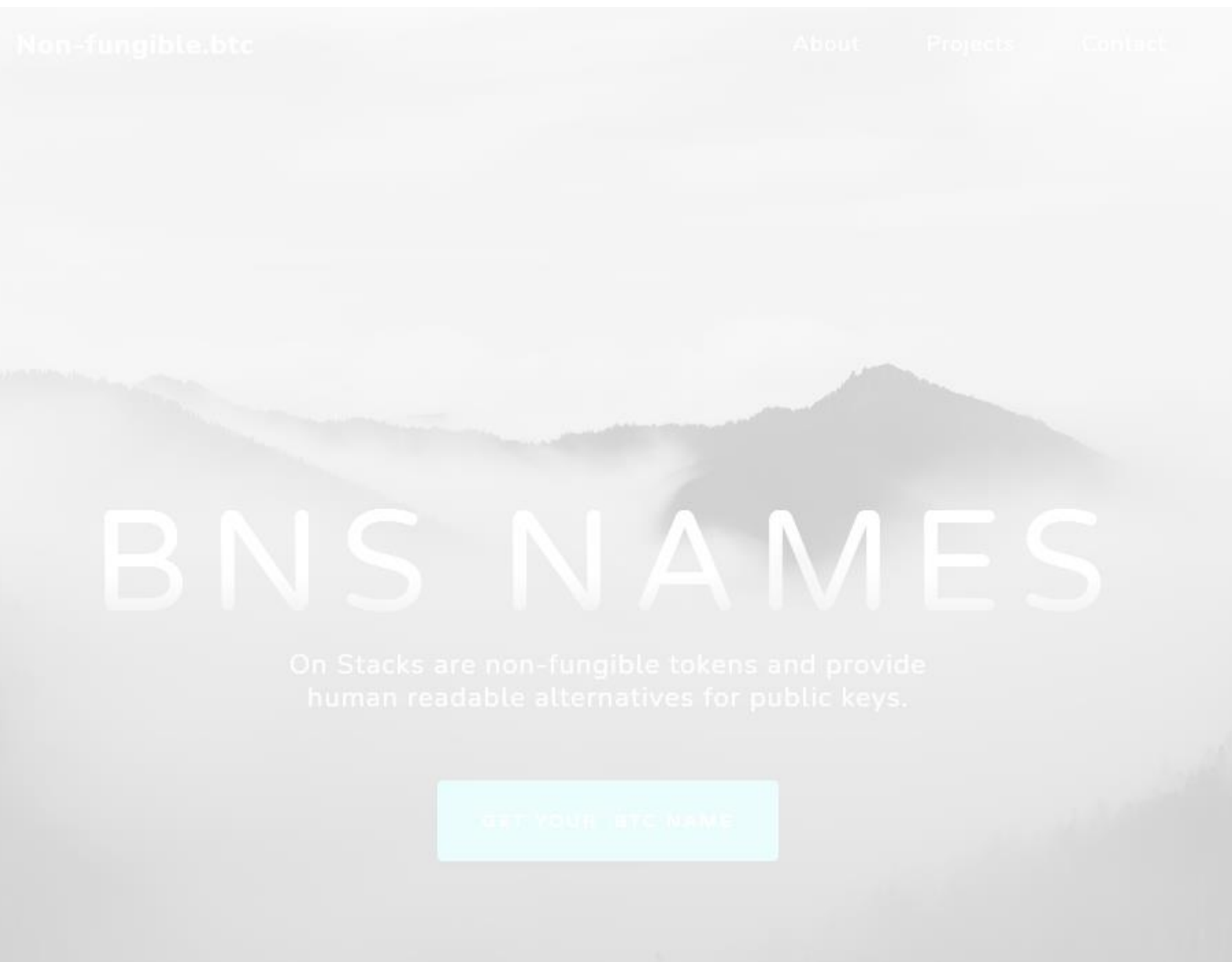


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0. Prerequisites

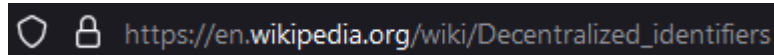
You need the Hiro wallet for web (Chrome or Firefox extension) installed.

You have your domain (BNS-name on Stacks) registered at btc.us (i.e. name.btc).

The web bridge enables editing DNS records for your subdomain (i.e. name.btc.us) via an on chain update of you BNS name records.

1. A simple redirect in 5 steps

Result: (example) Navigate to <http://did.btc.us> and get redirected to



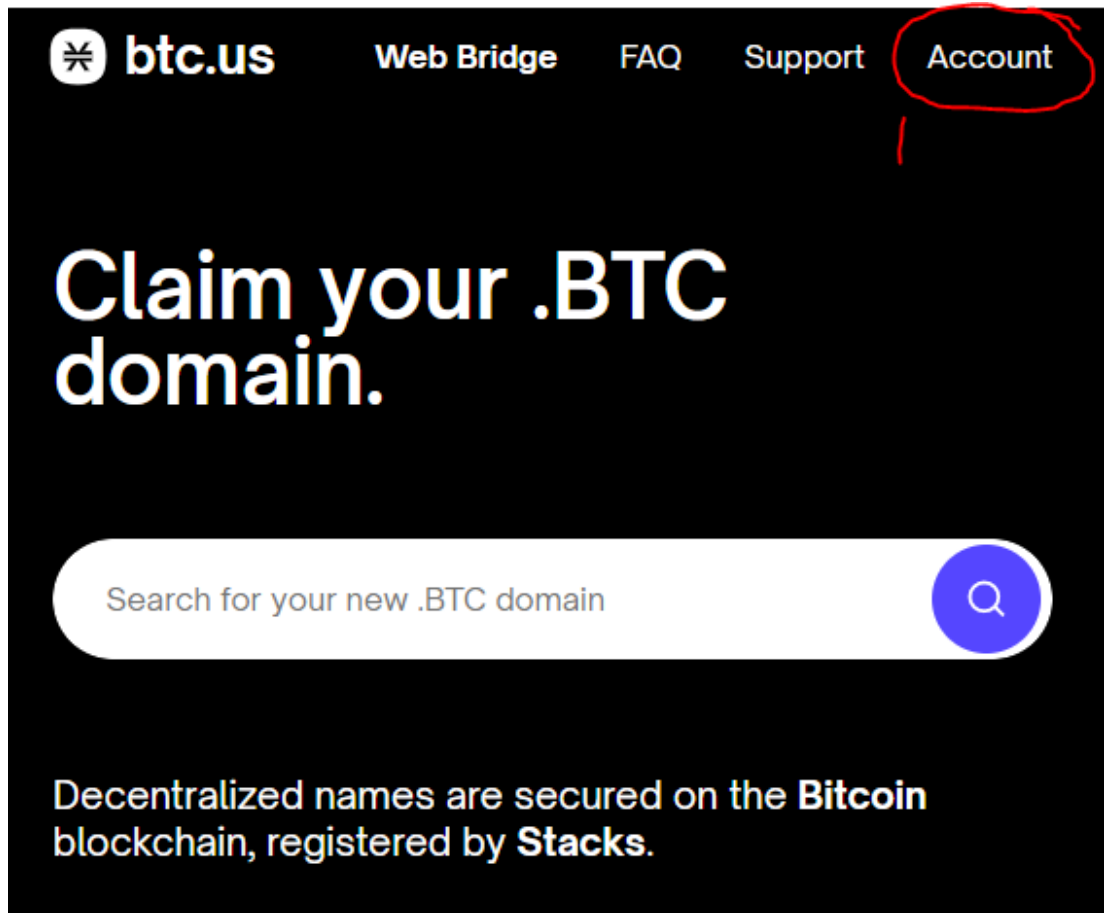
Disadvantage: does not support <https://did.btc.us>

Advantage: very easy to setup and it will redirect to a https page

HOW TO STEPS:

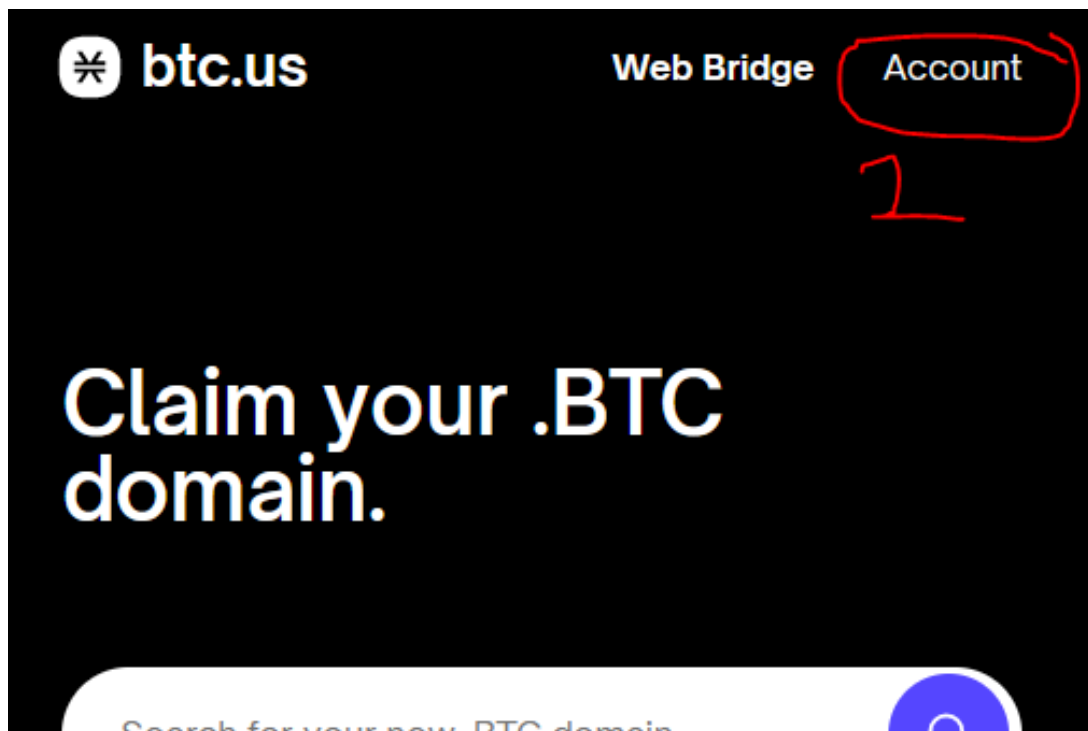
Step 1.1: btc.us account login

Go to btc.us login with the account that has the name you want to create a redirect for:



Step 1.2: Manage account

Go to account (this wil direct you to btc.us/manage)



Step 1.3: Add redirect link

Wait for it to load your BNS details... and then add a redirect link for example your personal homepage.

non-fungible.btc

Looking for other domains? Sign into the respective account.

Basic


Advanced

Status

Active (until ~13-05-2026)

Website redirect

None



Setting a website redirect allows you to easily redirect anyone visiting your domain to any given URL. This is a centralized feature provided by btc.us for your convenience. You always retain full control over your domain.

Transactions

Preorder

STX TRANSACTION ID

4f83c978cc6a34545185576396b47a4f94d8db15e...

✓ confirmed

BTC TRANSACTION ID

0000000000000000000006f39125a15c8295c33774...

Register

STX TRANSACTION ID

660a905d707ad0b248df3fb4aded9bad05391cf8e...

✓ confirmed

BTC TRANSACTION ID

00000000000000000000030df41d81bf26ce182294...

Danger zone

Transfer domain

Delete domain

Step 1.4: Save changes
Click **Save changes**

did.btc

Looking for other domains? Sign into the respective account.


Basic

Advanced

Status

Active (until ~14-05-2026)

Website redirect



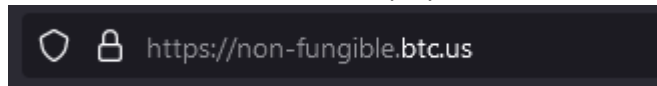
Setting a website redirect allows you to easily redirect anyone visiting your domain to any given URL. This is a centralized feature provided by btc.us for your convenience. You always retain full control over your domain.

Save changes

Step 1.5: Send transaction via hiro web wallet
This is a cheap transaction this can be done for as little as 250 micro STX feel free to edit the fee unless you are in a hurry to get it confirmed.

2. A more advanced use of DNS records with HTTPS enabled using *Github Pages*

Result: Instead of a redirect you actually change the DNS records so you can add an SSL certificate and the domain is displayed:



Step 2.1: To use Github pages take these steps:

Step 1A: Make a github.com account, unless you have one already.


Step 1B: Make a new public repository on the github account

For public accounts you can use “Github pages” for free, the new repository will be used as the root directory.

Create a new repository

A repository contains all project files, including the revision history. Already have a repository? [Import a repository.](#)

Owner *

 non-fungible-btc ▾

Repository name *

/ bns-name ✓

Great repository names are short and memorable. Need inspiration? [How about...](#)

Description (optional)

☒  **Public**

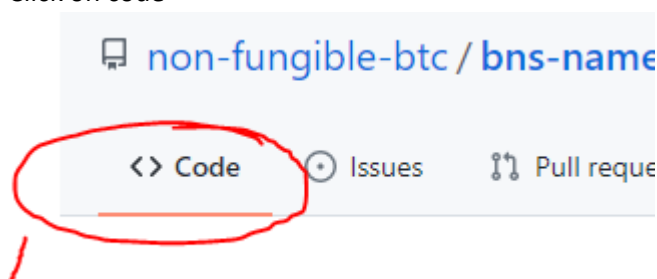
Anyone on the internet can see this repository. You choose who can commit.

☐  **Private**

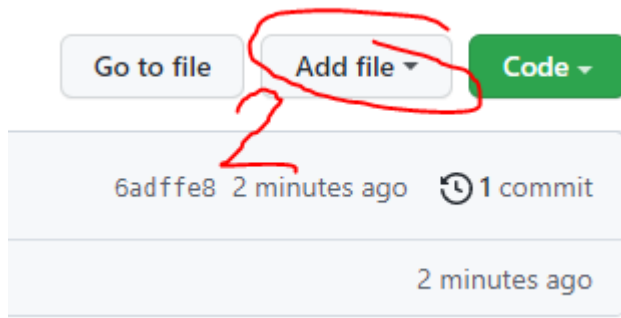
You choose who can see and commit to this repository.

Step 1C: Upload an example index.html to the new repo







Click on code



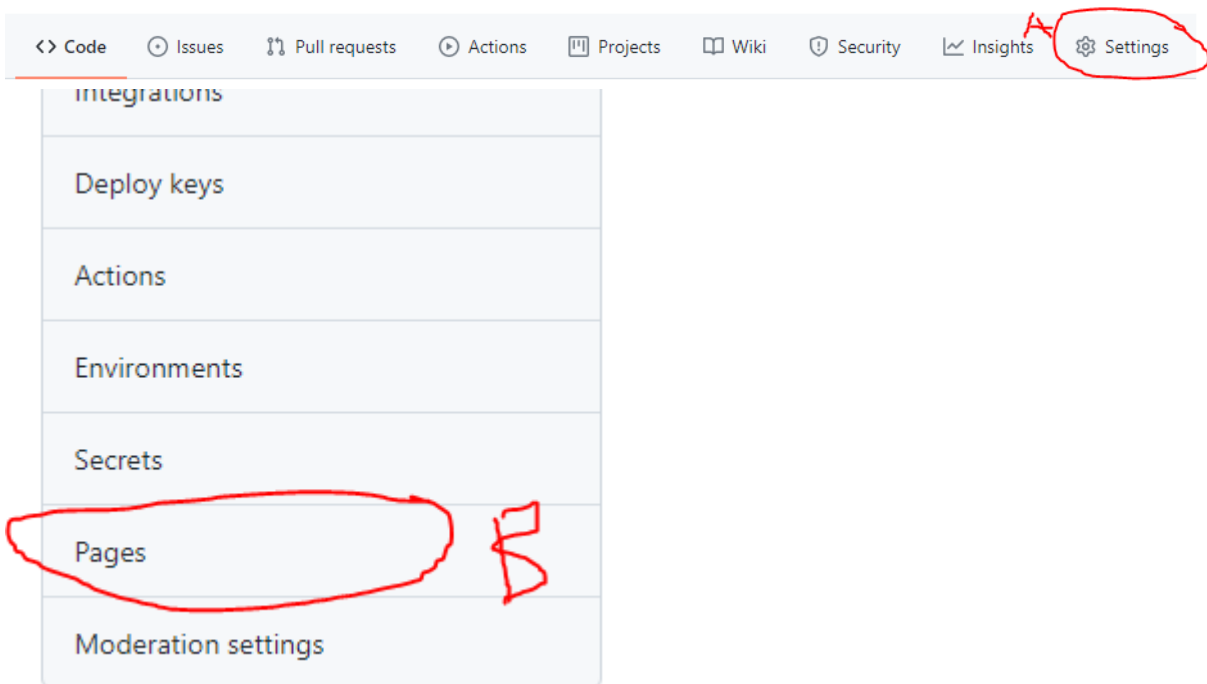
Click on add file



3 Upload an index.html Or whatever you want to show as your homepage. (get something from this site for example: <https://startbootstrap.com/> to get you started).

 non-fungible-btc	Add files via upload
 assets	Add files via upload
 css	Add files via upload
 js	Add files via upload
 README.md	Initial commit
 index.html	Add files via upload

Step 2.2 On Github go to Settings (of your repo): Activate pages



Source
 GitHub Pages is currently disabled. Select a source below

None ▾ Save

Select branch

Select branch

main


✓ None

/ (root) ▾ Save

Result:

GitHub Pages

GitHub Pages is designed to host your personal, organization, or project pages from a GitHub repository.

 Your site is ready to be published at <https://non-fungible-btc.github.io/bns-name/>

Source

Your GitHub Pages site is currently being built from the `main` branch. [Learn more.](#)

 Branch: main ▾  / (root) ▾ Save

Theme Chooser

Select a theme to publish your site with a Jekyll theme. [Learn more.](#)

Choose a theme

Custom domain

Custom domains allow you to serve your site from a domain other than non-fungible-btc.github.io. [Learn more.](#)

Save Remove

☒ Enforce HTTPS

— Required for your site because you are using the default domain (`non-fungible-btc.github.io`)

HTTPS provides a layer of encryption that prevents others from snooping on or tampering with traffic to your site. When HTTPS is enforced, your site will only be served over HTTPS. [Learn more.](#)

Step 2.3 DNS lookup, your github pages website

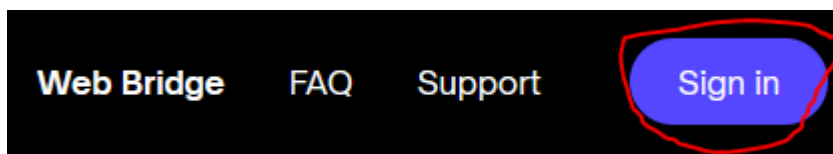
In this case we lookup: `non-fungible-btc.github.io` on <https://dns-lookup.com> and find (these IP-address' are likely the same very time):

DNS Information for `non-fungible-btc.github.io`

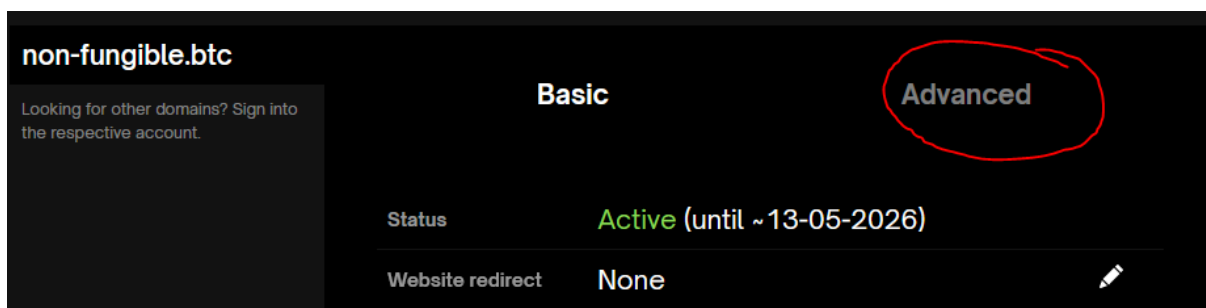
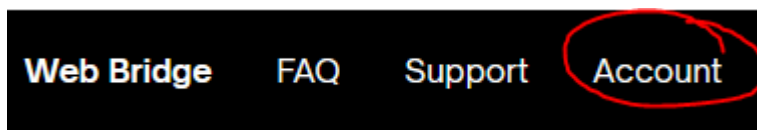
A	Value
	185.199.108.153
	185.199.109.153
	185.199.110.153
	185.199.111.153

You use these details in step 6, leave this page open while you do step 4-6.

Step 2.4 Go to BTC.us and login (top right)



Step 2.5 Go to Manage account (than advanced)



















Step 2.6 Add the 4 A-records and 1 CNAME record

- Add the four A records you found with the DNS lookup
- And also add the CNAME record just because github likes that
- Remove the _http._tcp URI



resulting in:

Name	Type	Record	
	A		 
	A		 
	A		 
	A		 
	CNAME		 
_http._tcp	URI	target: https://gaia.blockstack.org priority: 10 weight: 1	 
@	A	185.199.111.153	 
www	CNAME	non-fungible-btc.github.io	 

Step 2.8 Save by sending a name-update transaction with the web extension











Make sure to click the “pen” symbol again so the boxes are black before clicking “save changes”.

Basic

Advanced

CNAME ▾

Add record

Name	Type	Record	
@	A	185.199.108.153	 
@	A	185.199.109.153	 
@	A	185.199.110.153	 
@	A	185.199.111.153	 
www	CNAME	non-fungible-btc.github.io	 

Add profile record

Save changes

name-update

Requested by "btc.us" (btc.us)

Confirm

- Wait for the transaction to be confirmed in an anchor block (average 10 min) and then proceed to step 9.

- It may also require some time for the DNS records to be properly propagated to the DNS servers after they are picked up by btc.us from the name-update transaction.

Then you are likely to see this after step 9: (then wait a little longer as soon as dns-lookup shows IP addresses you are good to go).

Custom domain

Custom domains allow you to serve your site from a domain other than non-fungible-btc.github.io. [Learn more.](#)

non-fungible.btc.us



Save

Remove



non-fungible.btc.us is improperly configured

Domain's DNS record could not be retrieved. For more information, see [Learn more](#) (InvalidDNSError). We recommend you change this to a CNAME record pointing to non-fungible-btc.github.io.

Check again

☐ **Enforce HTTPS** — Unavailable for your site because your domain is not properly configured to support HTTPS ([non-fungible.btc.us](#)) — [Troubleshooting custom domains](#)

HTTPS provides a layer of encryption that prevents others from snooping on or tampering with traffic to your site.

When HTTPS is enforced, your site will only be served over HTTPS. [Learn more.](#)

Step 2.9 Go back to Github pages via Settings and add Custom Domain

The name you registered. `btc.us` or in my case `non-fungible.btc.us`

Options

Manage access

Security & analysis

Branches

Webhooks

Notifications

Integrations

Deploy keys

Actions

Environments

Secrets

Pages

Moderation settings

GitHub Pages

GitHub Pages is designed to host your personal, organization, or company website.

Source

Your GitHub Pages site is currently being built from the main branch.

Branch: main / (root) Save

Theme Chooser

Select a theme to publish your site with a Jekyll theme. [Learn more](#)

Choose a theme

Custom domain

Custom domains allow you to serve your site from a domain other than `username.github.io`.

A non-fungible.btc.us **B** Save Remove

☒ **Enforce HTTPS**

— Required for your site because you are using the default domain (`username.github.io`).

HTTPS provides a layer of encryption that prevents others from snooping on your site. When HTTPS is enforced, your site will only be served over HTTPS. [Learn more](#)

Step 2.10: After saving the custom domain and waiting a *moment* “enforce HTTPS”

Custom domain

Custom domains allow you to serve your site from a domain other than `non-fungible-btc.github.io`. [Learn more](#).

non-fungible.btc.us **A** Save Remove

non-fungible.btc.us is improperly configured [Check again](#)

Your site's DNS settings are using a custom subdomain, `non-fungible.btc.us`, that's set up as an A record. We recommend you change this to a CNAME record pointing at `[YOUR USERNAME].github.io`. For more information, see [Learn more](#) (InvalidARecordError). We recommend you change this to a CNAME record pointing to `non-fungible-btc.github.io`.

IGNORE

TLS certificate is being provisioned. This may take up to 15 minutes to complete.

3 of 3 **Certificate Active:** The certificate has been activated. Please allow for up to 30 minutes to 1 hour for it to be globally available. If you still see a privacy error, you may need to restart your browser.

☐ **Enforce HTTPS** — Not yet available for your site because the certificate has not finished being issued.

Please allow 24 hours for this process to complete. (`non-fungible.btc.us`)

HTTPS provides a layer of encryption that prevents others from snooping on or tampering with traffic to your site. When HTTPS is enforced, your site will only be served over HTTPS. [Learn more](#).

If you cannot select this yet your certificate is still being processed this can take up to a couple hours or you need to hit refresh on your browser. Just check again later and ignore the github warning about CNAME/A record.

The SSL certificate is registered with Let's Encrypt and it is automatically renewed by Github. = brilliant!

When you are all done it will look like this on GitHub:

<> Code Issues Pull requests Actions Projects Wiki Security Insights Settings

Options

Manage access

Security & analysis

Branches

Webhooks

Notifications

Integrations

Deploy keys

Actions

Environments

Secrets

Pages

Moderation settings

GitHub Pages

GitHub Pages is designed to host your personal, organization, or project pages from a GitHub repository.

✓ Your site is published at <https://non-fungible.btc.us/>

Source

Your GitHub Pages site is currently being built from the main branch. [Learn more.](#)

Branch: main / (root) Save

Theme Chooser

Select a theme to publish your site with a Jekyll theme. [Learn more.](#)

Choose a theme

Custom domain

Custom domains allow you to serve your site from a domain other than non-fungible-btc.github.io. [Learn more.](#)

non-fungible.btc.us ⚠ Save Remove

! non-fungible.btc.us is improperly configured

Check again

Your site's DNS settings are using a custom subdomain, non-fungible.btc.us, that's set up as an A record. We recommend you change this to a CNAME record pointing at [YOUR USERNAME].github.io. For more information, see [Learn more](#) (InvalidARecordError). We recommend you change this to a CNAME record pointing to non-fungible-btc.github.io.

☒ Enforce HTTPS

HTTPS provides a layer of encryption that prevents others from snooping on or tampering with traffic to your site. When HTTPS is enforced, your site will only be served over HTTPS. [Learn more.](#)

And it will look like this when you navigate to <https://non-fungible.btc.us>

