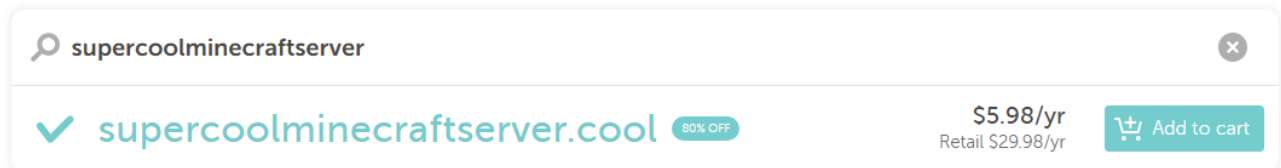# Routing MC Server through Cloudflare

This guide is meant for someone with slightly above average understanding of networking principles and self-hosting. Any questions can be directed to the GitHub repository that hosts the script HERE.

Have fun and enjoy!

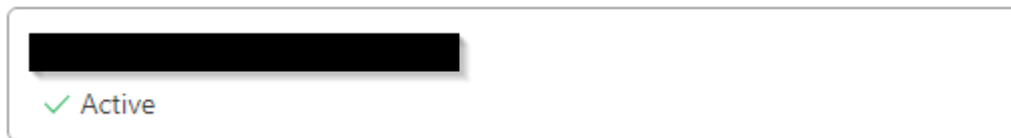1. Grab Domain Name: I personally use **NameCheap** - https://www.namecheap.com/

2. Make a Cloudflare account and point your nameservers to Cloudflare's
   1. `sri.ns.cloudflare.com and summer.ns.cloudflare.com`

3. Once Cloudflare recognizes your nameservers are changed your site will change to active

4. Click Zero Trust on the left and head to **Access** > **Tunnels**
5. Click Create a Tunnel
6. Name your tunnel Minecraft or something easily memorable
7. Choose OS, and Arch - MineOS will be Debian and 64-bit

8. Copy the command on the left into terminal.

If you don't have cloudflared installed on your machine:

```
$   curl -L --output cloudflared.deb
    https://github.com/cloudflare/cloudflared/releas
    es/latest/download/cloudflared-linux-amd64.deb
    &&

    sudo dpkg -i cloudflared.deb &&

    sudo cloudflared service install
    eyJhIjoiMzRkOGM3YjU0NWMzYWE4MDhhNDNjMThjMTllMzE4
```

9. Once it's downloaded, you'll see your Connector appear below.

Connectors

Connector ID	Status	Version
████████	Connected	2023.6.1

10. Click Next
11. For Subdomain you can add "mc" or leave it at your base site. No need to add a path
12. For Service pick TCP and the URL will be "localhost:25565" and then save your tunnel
13. Everything will be great if you see a "Healthy" on your Status

| Mooncraft | 154██████████ | HEALTHY ████ | 3 minutes | June 20, 2023 |

14. Cool, you've setup everything you need on the backend. Now ensure your server is running and begin testing.
15. In order for clients to join your going to need this [Powershell script](#) from my Github repo.
16. If you aren't comfortable with links, here's the fancy one liner you can run.
    1. ```.\cloudflared-windows-amd64.exe access tcp --hostname mc.example.com --url localhost:9210```
    2. Ensure you have downloaded the Cloudflared windows client from [HERE](#) and it is in the same folder as this Powershell script.
17. Usage is straight-forward, change the "mc.example.com" to the name of the URL you just created.
18. Save the folder - In order to run it, right click it and Run with Powershell.
19. Open Minecraft, Add a server, for the address of the server put "localhost:9210"
20. If all is well your server should pop right up!