

Secure External Access to Nextcloud (Method 1 — Cloudflare Tunnel)

Overview

This guide explains how to securely access Nextcloud from outside your home network using Cloudflare Tunnel. No port forwarding is required.

Requirements

- Cloudflare account (free)
- A domain name
- Raspberry Pi with Nextcloud installed

Steps

1. Create Cloudflare Account

Go to <https://dash.cloudflare.com> and register.

2. Add Domain to Cloudflare

Update your domain's nameservers to Cloudflare's.

3. Install Cloudflare Tunnel

...

```
curl -fsSL
https://github.com/cloudflare/cloudflared/releases/latest/download/cloudflared-linux-arm64.deb -o
cloudflared.deb
sudo dpkg -i cloudflared.deb
sudo cloudflared service install
```

...

4. Authenticate

...

```
cloudflared tunnel login
```

...

5. Create Tunnel

...

```
cloudflared tunnel create nextcloud-pi
```

...

6. Route Public Hostname

Example:

...

```
cloudflared tunnel route dns nextcloud-pi cloud.mydomain.com
```

...

7. Configure Tunnel

Edit `/etc/cloudflared/config.yml`:

...

```
tunnel: nextcloud-pi
credentials-file: /root/.cloudflared/.json
```

ingress:

- hostname: cloud.mydomain.com
- service: http://127.0.0.1:80
- service: http_status:404

...

8. Start Tunnel

```
...
```

```
sudo systemctl start cloudflared  
sudo systemctl enable cloudflared  
...
```

```
### 9. Add Trusted Domain
```

```
Edit `config.php`:  
...
```

```
2 => 'cloud.mydomain.com',  
...
```

Nextcloud is now securely accessible anywhere.