

Gives you the ability to access your n8n instance anywhere and to use the webhook features which you're not able to currently.

Before starting this - please ensure you have copies of all current workflows and credentials as you may lose them running it through this tunnel

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

Sign up for free or log in if you already have an account

Go to domain registration

- Manage domains
- Buy a domain if you don't already have one
- If you have bought one from another site you can go to onboard domain from the manage domain

Once you have your domain go to "zero Trust"

- networks
- Tunnels
- Create a tunnel
- Click "select Cloudflared"
- Give it a name such as n8ntrial1
- Click save tunnel

Open n8n folder in a terminal and run

`docker compose down`

Install required connector on your raspberry PI (choose the debian option)

- Navigate to docker and copy the command
- Connect to your raspberry pi and open a terminal in your n8n folder
- Paste the first command
- Copy and paste the second command
- Run the command and wait for it to finish

Finish Cloudflare setup

Under Hostname (you can get to here via the "published application routes" click add a published application route)

- Add subdomain name such as n8n
- Select the domain you want to you (the one you created prior)

Under Service

- Type - http
- URL - enter <raspberrypi_IP_address>:5678
- Click complete
- It will take you back to the tunnels page and you should see next to status that the tunnel you just set up is "healthy"

Update docker-compose.yml with the following:

services:

n8n:

image: n8nio/n8n:latest

container_name: n8n

restart: always

ports:

- "5678:5678"

volumes:

- /home/testuser/n8n:/home/node/.n8n #(ensure this matches the location of your n8n

folder or it will create a new one and you won't have access to your saved workflows and credentials)

environment:

- N8N_TELEMETRY_DISABLED=true

- N8N_HOST=your raspberrypi IP address

- N8N_PORT=5678

- N8N_SECURE_COOKIE=false

- N8N_ENFORCE_SETTINGS_FILE_PERMISSIONS=true

- DB_SQLITE_POOL_SIZE=1

- N8N_RUNNERS_ENABLED=true

- N8N_BLOCK_ENV_ACCESS_IN_NODE=false

- WEBHOOK_URL=your custom domain (with https://)

- N8N_PROTOCOL=https

Again, you can use the one I have saved and send it via this command on your PC

scp "C:\Users\path\to\file\docker-compose.yml.txt"pi-name@pi-ipaddress:/home/testuser/n8n/

You can view my previous video on how to do this if you need help

Alternatively you can copy the information into a word doc and copy/paste seems to work directly into your raspberrypi from here.

Once you have done this and adjusted all the required information, run these commands using a terminal in your raspberrypi n8n folder

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run docker compose up -d
```

You should see that n8n_network and cloudflared containers are up and running

Give it 30 seconds

Try logging in via the url you set earlier

If you get the security warning, go advance, continue, we may look at resolving this in a future video