# Nginx Proxy Manager Setup for n8n Hub

## Quick Setup Guide for Nginx Proxy Manager

Since you mentioned you already have Nginx Proxy Manager running, here's a streamlined guide to add your n8n Hub through the web interface.

### Step 1: Prepare the Files on Your VPS

First, upload and prepare your n8n Hub files on your VPS:

```Bash
# Create directory for the n8n hub
sudo mkdir -p /var/www/n8n-hub

# Upload your n8n_hub.html file (via SCP, SFTP, or direct copy)
# Then copy it to the web directory
sudo cp n8n_hub.html /var/www/n8n-hub/index.html

# Set proper permissions
sudo chown -R www-data:www-data /var/www/n8n-hub
sudo chmod -R 755 /var/www/n8n-hub
```

### Step 2: Create Proxy Host in Nginx Proxy Manager

1. **Access your Nginx Proxy Manager web interface**

   - Usually at  `http://your-vps-ip:81`

   - Login with your admin credentials

2. **Add New Proxy Host:**

   - Click "Proxy Hosts" in the main menu

   - Click "Add Proxy Host" button

3. **Configure the Proxy Host:**

- **Domain Names:** `n8n-hub.yourdomain.com` (replace with your actual domain)

- **Scheme:** `http`

- **Forward Hostname/IP:** `127.0.0.1` (localhost)

- **Forward Port:** `8080` (we'll create a simple nginx server on this port)

- **Cache Assets:** ✅ (checked)

- **Block Common Exploits:** ✅ (checked)

- **Websockets Support:** ❌ (not needed for static site)

- **SSL Certificate:** Request a new SSL certificate

- **Force SSL:** ✅ (checked)

- **HTTP/2 Support:** ✅ (checked)

- **HSTS Enabled:** ✅ (checked)

4. **Click Save**

## Step 3: Create Simple Nginx Server for the Hub

Since Nginx Proxy Manager will forward to a local service, create a simple nginx configuration:

```bash
Bash

# Create a simple nginx config for the hub
sudo nano /etc/nginx/sites-available/n8n-hub-local
```

Add this configuration:

```
Plain Text

server {
    listen 8080;
    server_name localhost;
```

```
    root /var/www/n8n-hub;
    index index.html;

    location / {
        try_files $uri $uri/ /index.html;
    }

    # Cache static assets
    location ~* \.(js|css|png|jpg|jpeg|gif|ico|svg)$ {
        expires 1y;
        add_header Cache-Control "public, immutable";
    }
}
```

Enable the configuration:

```Bash
# Enable the site
sudo ln -s /etc/nginx/sites-available/n8n-hub-local /etc/nginx/sites-enabled/

# Test configuration
sudo nginx -t

# Reload nginx
sudo systemctl reload nginx
```

## Step 4: Configure DNS

Add a DNS A record for your subdomain:

- **Type:** A

- **Name:** n8n-hub

- **Value:** Your VPS IP address

- **TTL:** 3600

## Step 5: Test the Setup

1. **Test local nginx server:**

2. **Test through proxy manager:**

   - Wait for DNS propagation (5-30 minutes)

   - Visit `https://n8n-hub.yourdomain.com`

   - Verify SSL certificate is working

## Alternative: Direct File Serving

If you prefer not to use a local nginx server, you can serve files directly through Nginx Proxy Manager by using a file server:

```bash
# Install a simple HTTP server
sudo npm install -g http-server

# Create a systemd service for the file server
sudo nano /etc/systemd/system/n8n-hub.service
```

Add this service configuration:

```
[Unit]
Description=n8n Hub Static Server
After=network.target

[Service]
Type=simple
User=www-data
WorkingDirectory=/var/www/n8n-hub
ExecStart=/usr/local/bin/http-server -p 8080 -a 127.0.0.1
Restart=always

[Install]
WantedBy=multi-user.target
```

Enable and start the service:

```bash
```

```
sudo systemctl enable n8n-hub.service
sudo systemctl start n8n-hub.service
sudo systemctl status n8n-hub.service
```

This approach gives you the benefits of Nginx Proxy Manager's SSL automation and web interface while serving your static n8n Hub efficiently.