

# Migrate from Zoraxy to Caddy

Here's a **step-by-step guide** to **migrate from Zoraxy to Caddy** as your reverse proxy, including HTTPS and domain-based routing.

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## ? Assumptions

- You're currently using **Zoraxy** to proxy domains like `app1.greenhome.stream` and `auth.greenhome.stream`.
  - You want to **replace Zoraxy with Caddy** on the same server (`172.17.1.15`).
  - You already have:
    - A domain with DNS records pointing to your server.
    - Docker containers or apps running internally (e.g., `172.17.1.38:9091` for Authelia).
    - Port **80** and **443** open on your public IP.
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## ? Step-by-Step Migration from Zoraxy to Caddy

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### ? 1. Stop and Disable Zoraxy

```
sudo systemctl stop zoraxy
sudo systemctl disable zoraxy
```

If running via Docker:

```
docker stop zoraxy
docker rm zoraxy
```

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### ? 2. Install Caddy

#### ? Option 1: Install via Package (Recommended)

```
sudo apt update
sudo apt install -y debian-keyring debian-archive-keyring apt-transport-https curl
curl -1sLf 'https://dl.cloudsmith.io/public/caddy/stable/gpg.key' | sudo tee
/etc/apt/trusted.gpg.d/caddy.gpg > /dev/null
curl -1sLf 'https://dl.cloudsmith.io/public/caddy/stable/debian.deb.txt' | sudo tee
/etc/apt/sources.list.d/caddy.list
sudo apt update
```

```
sudo apt install caddy
```

“ Caddy runs as a service and listens on ports 80 and 443 by default.

### ? 3. Create Your Caddyfile

```
sudo nano /etc/caddy/Caddyfile
```

Example:

```
# Authelia login portal
auth.greenhome.stream {
    reverse_proxy 172.17.1.38:9091
}

# App behind Authelia
app1.greenhome.stream {
    reverse_proxy 172.17.1.40:3000

    route {
        forward_auth auth.greenhome.stream {
            uri /api/verify?rd=https://auth.greenhome.stream
            copy_headers Remote-User Remote-Groups Remote-Name Remote-Email
        }

        reverse_proxy 172.17.1.40:3000
    }
}
```

### ? Notes:

- Replace `172.17.1.40:3000` with your actual app's internal IP and port.
- `auth.greenhome.stream` should point to your Authelia instance.
- The `forward_auth` directive checks auth before routing to the backend.

### ? 4. Reload Caddy to Apply Config

```
sudo caddy reload
```

If there's a syntax error:

```
sudo caddy validate
```

## ? 5. Ensure HTTPS Works (Auto Let's Encrypt)

Caddy will automatically:

- Fetch and renew Let's Encrypt certificates.
- Use HTTPS with HSTS, HTTP/2, etc.

Check certs:

```
sudo caddy list-certs
```

## ? 6. Set DNS Records (If Not Already)

Make sure these A records are set:

| Subdomain             | Value          |
|-----------------------|----------------|
| auth.greenhome.stream | your_public_ip |
| app1.greenhome.stream | your_public_ip |

## ? 7. Test the Setup

- Visit `https://auth.greenhome.stream` — should load Authelia.
- Visit `https://app1.greenhome.stream` — should redirect to login if not authenticated.

## ? 8. Optional: Remove Zoraxy Completely

If everything works:

```
sudo rm -rf /etc/zoraxy /var/lib/zoraxy
```

## ? Add More Apps?

Just extend your `Caddyfile`:

```
nextcloud.greenhome.stream {  
    reverse_proxy 172.17.1.42:8080
```

```
route {
  forward_auth auth.greenhome.stream {
    uri /api/verify?rd=https://auth.greenhome.stream
  }

  reverse_proxy 172.17.1.42:8080
}
}
```

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## ? You're Done!

Caddy now:

- Proxies your apps with automatic HTTPS.
- Integrates with Authelia for forward authentication.
- Requires no web UI and minimal config.

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### **InsOmniA**

Revision #2

Created 2025-08-22 03:45:18 EEST by Green

Updated 2025-09-04 02:04:41 EEST by Green