

Caddy

To install caddy we need 3 things

1. Caddyfile
 2. Docker compose-file
 3. Inside the site folder index.html
-

Caddy Web Server Setup with Docker Compose

This guide explains how to install and run **Caddy** (a powerful web server with automatic HTTPS) using **Docker Compose**.

1. Prerequisites

- Ubuntu / Linux server
- Docker installed → [Install Docker](#)
- Docker Compose plugin installed → [Install Compose](#)

Verify installation:

```
Shell
docker --version
docker compose version
```

2. Project Directory

File structure:

```
Caddy
- Caddyfile
```

- docker-compose.yml
- Site / index.html

Create a working directory for Caddy:

```
Shell
mkdir caddy
cd caddy
mkdir site
```

3. Create **index.html**

Inside **site/**, create a simple webpage:

```
Shell
cd site
nano site/index.html
```

Paste:

```
HTML
<!DOCTYPE html>
<html>
<head>
  <title>Caddy server</title>
</head>
<body>
  <h1>Welcome to Caddy Web Server!</h1>
</body>
</html>
```

4. Create Caddyfile

Shell

```
cd caddy (not on the site folder)
nano Caddyfile
```

Paste:

None

```
:80 {
    root * /usr/share/caddy
    file_server
}
```

This tells Caddy to:

- Listen on port **80**
- Serve files from `/usr/share/caddy`
- Enable static file serving

5. Create docker-compose.yml

Shell

```
# inside the caddy
nano docker-compose.yml
```

Paste:

None

```
version: '3.9'
services:
```

```
caddy:
  image: caddy:latest
  container_name: caddy
  restart: unless-stopped
  ports:
    - "80:80"
    - "443:443"
  volumes:
    - ./Caddyfile:/etc/caddy/Caddyfile
    - ./site:/usr/share/caddy
    - caddy_data:/data
    - caddy_config:/config

volumes:
  caddy_data:
  caddy_config:
```

6. Start Caddy

Run:

```
Shell
docker compose up -d
```

Check running containers:

```
Shell
docker ps
```

7. Test

Open browser →

👉 `http://<your-server-ip>`

You should see:

None

Welcome to Caddy Web Server!

8. Manage Caddy

- **Stop Caddy**

Shell

```
docker compose down
```

- **Restart Caddy**

Shell

```
docker compose restart
```

- **Check logs**

Shell

```
docker compose logs -f
```

9. Verify Persistence

- Edit `~/caddy/site/index.html` → refresh page → changes show instantly.
- Even if the container is removed, website files remain in `~/caddy/site`.

✅ Done!