

# Installation

Installing Zenith on your Webserver

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# Installation via Docker

This guide explains how to run **Zenith** using Docker.

The container already includes a preconfigured **Nginx web server**.

Image location:

```
git.crystalsky.dev/crystalsky/zenith:latest
```

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## Prerequisites

Make sure docker and the compose-plugin is installed. [Install Docker and compose-plugin](#)

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## 1. Prepare the Directory

Create a directory for the installation.

```
mkdir zenith  
cd zenith
```

---

## 2. Docker Compose Installation

Create a `docker-compose.yml` file.

```
services:  
  zenith:  
    image: git.crystalsky.dev/crystalsky/zenith:latest  
    container_name: zenith  
    ports:  
      - "8000:80"  
    restart: unless-stopped
```

Start the container:

```
docker compose up -d
```

Stop it:

```
docker compose down
```

---

# Updating the Container

Pull the update and restart the container:

```
docker compose pull  
docker compose up -d
```

# Manual installation

This guide explains how to manually install and host Zenith using a web server.

The example server used here is **Caddy** because it has the easiest SSL-setup, but any web server (Nginx, Apache, etc.) will work.

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## 1. Requirements

You need:

- A Linux server
- Root or sudo access
- A domain or IP address
- Basic terminal knowledge

Install the required tools:

Debian/Ubuntu:

```
sudo apt update
sudo apt install git curl
```

---

## 2. Install Caddy

Install Caddy using the official repository.

```
sudo apt install -y debian-keyring debian-archive-keyring apt-transport-https
curl -1sLf 'https://dl.cloudsmith.io/public/caddy/stable/gpg.key' | \
  sudo gpg --dearmor -o /usr/share/keyrings/caddy-stable-archive-keyring.gpg

curl -1sLf 'https://dl.cloudsmith.io/public/caddy/stable/debian.deb.txt' | \
  sudo tee /etc/apt/sources.list.d/caddy-stable.list

sudo apt update
```

```
sudo apt install caddy
```

Check if it works:

```
caddy version
```

## 3. Download the Project

Clone the repository.

```
git clone https://git.crystalsky.dev/CrystalSky/zenith.git  
cd zenith
```

Your project should look like this:

```
Dockerfile  
images.txt  
index.html  
README.md  
script.js  
stylesheet.css
```

## 4. Move the Files to the Web Directory

Create a directory for the website.

```
sudo mkdir -p /var/www/zenith
```

Copy the files:

```
sudo cp -r * /var/www/zenith
```

Set permissions:

```
sudo chown -R caddy:caddy /var/www/zenith
```

## 5. Configure Caddy

Edit the Caddy configuration:

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

Example configuration:

```
example.com {  
    root * /var/www/zenith  
    file_server  
}
```

If you don't have a domain yet, you can also use:

```
:80 {  
    root * /var/www/zenith  
    file_server  
}
```

Save the file. (`Ctrl+X`, `y` then `enter`)

## 6. Restart Caddy

Reload the configuration:

```
sudo systemctl reload caddy
```

Or restart:

```
sudo systemctl restart caddy
```

Check the status:

```
systemctl status caddy
```

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# 7. Open the Website

Open your browser and visit:

```
http://your-server-ip
```

or

```
https://your-domain
```

You should now see Zenith.

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# 8. Updating the Site

To update the site:

```
cd zenith  
git pull  
sudo cp -r * /var/www/zenith
```

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# Notes

- All files are served as static content.
- No build step is required.
- The `Dockerfile` not relevant for manual installation.