

Server Details

What server are we running, what plugins are installed, what version is everything

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Flora Family Minecraft Server

Docker Details

This minecraft server is running from a Docker Compose stack on the primary homelab docker host (terra.flora.family).

The docker instance spins up a java runtime environment with 6GB of dedicated memory. It uses the "Aikar" JRE settings as well to tune the server for performance.

We use the itzg/minecraft-server image and watch it with Watchtower to ensure that the image is as up-to-date as possible. However, we've pinned the minecraft server version to ensure that all plugins remain compatible (there's typically a delay between when the latest server version comes out and when the plugins are compatible with it).

Docker Compose File

Here's the `/srv/minecraft/docker-compose.yaml` file in full:

```
services:
  minecraft:
    image: itzg/minecraft-server:latest
    container_name: minecraft
    hostname: minecraft
    user: 110:986
    ports:
      - "25565:25565"
      - "24454:24454/udp"
    volumes:
      - /main/appdata/minecraft/serverdata:/data
    networks:
      - proxy_network
      - minecraft_network
```

environment:

EULA: TRUE

MEMORY: 6G

TZ: America/New_York

USE_AIKAR_FLAGS: true

ENABLE_ROLLING_LOGS: true

VERSION: 1.21.5

TYPE: PAPER

Current version of Dynmap compatible w/ paper isn't on Modrinth or Spigot

Currently needs to be installed manually.

SPIGET_RESOURCES: 81862 # Celeste isn't on Modrinth

MODRINTH_PROJECTS: |-

chunky

chunkyborder

decentholograms

essentialsx

essentialsx-discord

essentialsx-spawn

essentialsx-chat-module

luckperms

multiverse-core

multiverse-portals

simple-voice-chat

terra:beta

vaultunlocked

worldedit

worldguard

restart: unless-stopped

depends_on:

- mongodb

mongodb:

image: mongo:latest

container_name: mongodb

hostname: mongodb

logging:

driver: "none"

```
restart: unless-stopped
command: --quiet
volumes:
  - /main/appdata/minecraft/mongodbddata:/data/db
  - /main/appdata/minecraft/mongodbconfig:/data/configdb
environment:
  - MONGO_INITDB_ROOT_USERNAME=root
  - MONGO_INITDB_ROOT_PASSWORD=super_duper_tough
  - TZ=America/New_York
networks:
  - minecraft_network
```

```
networks:
  minecraft_network:
    name: minecraft_network
  proxy_network:
    external: true
```

Minecraft Server

We're running a Paper server, currently (as of 7/19/25) at version 1.21.5. All plugins are server-side only.

There is one exception to the server-side plugin rule: Simple Voice Chat requires both the server plugin *and* a client-side plugin (using Fabric or Forge). There is a separate page with full details on how to get that set up for the client.

To Do

- Set up all plugins
 - Celeste
 - Chunky
 - Chunky Border
 - CoreProtect?
 - Decent Holograms
 - Dynmap
 - EssentialsX
 - Core
 - Chat
 - Discord?
 - Spawn
 - Luckperms
 - Multiverse
 - Core
 - Portals
 - Simple Voice Chat
 - Terra
 - Aeropelago
 - Origen
 - Overworld
 - Substratum
 - Vault Unlocked
 - WorldEdit
 - WorldGuard