

fenrir

- [Fenrir Panel — Docker Installation](#)

Fenrir Panel — Docker Installation

Install Docker

```
curl -sSL https://get.docker.com/ | CHANNEL=stable bash
```

Verify:

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

Download Compose Stack

```
mkdir -p /opt/fenrir && cd /opt/fenrir  
curl -o docker-compose.yml https://raw.githubusercontent.com/Luxxy-Hosting/Fenrir/main/docker/docker-compose.yml  
curl -o .env https://raw.githubusercontent.com/Luxxy-Hosting/Fenrir/main/docker/.env.example
```

Configure Environment

```
nano .env
```

```
POSTGRES_USER=panel  
POSTGRES_PASSWORD=CHANGE_ME  
POSTGRES_DB=panel  
JWT_SECRET=CHANGE_ME  
CORS_ORIGIN=https://panel.example.com  
NEXT_PUBLIC_API_URL=https://panel.example.com/api
```

Generate secrets:

```
sed -i "s|CHANGE_ME|$(openssl rand -hex 16)|g" .env
```

Start the Panel

```
docker compose up -d
```

Run migrations:

```
docker compose exec backend npx prisma migrate deploy
```

Reverse Proxy (Nginx)

```
apt install -y nginx certbot python3-certbot-nginx
```

```
nano /etc/nginx/sites-available/panel
```

```
server {
    listen 80;
    server_name panel.example.com;

    location / {
        proxy_pass http://127.0.0.1:3000;
        proxy_http_version 1.1;
        proxy_set_header Upgrade $http_upgrade;
        proxy_set_header Connection "upgrade";
        proxy_set_header Host $host;
        proxy_set_header X-Real-IP $remote_addr;
        proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
        proxy_set_header X-Forwarded-Proto $scheme;
        proxy_read_timeout 86400;
    }

    location /api {
        proxy_pass http://127.0.0.1:3001;
        proxy_http_version 1.1;
        proxy_set_header Upgrade $http_upgrade;
        proxy_set_header Connection "upgrade";
```

```
proxy_set_header Host $host;
proxy_set_header X-Real-IP $remote_addr;
proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
proxy_set_header X-Forwarded-Proto $scheme;
proxy_read_timeout 86400;
client_max_body_size 100m;
}
}
```

```
ln -s /etc/nginx/sites-available/panel /etc/nginx/sites-enabled/
rm -f /etc/nginx/sites-enabled/default
nginx -t && systemctl reload nginx
```

SSL

```
certbot --nginx -d panel.example.com
```

Updating

```
cd /opt/fenrir
docker compose pull
docker compose up -d
docker compose exec backend npx prisma migrate deploy
```

Useful Commands

```
docker compose -f /opt/fenrir/docker-compose.yml logs -f      # logs
docker compose -f /opt/fenrir/docker-compose.yml restart      # restart
docker compose -f /opt/fenrir/docker-compose.yml down         # stop
docker compose -f /opt/fenrir/docker-compose.yml exec postgres psql -U panel # db shell
```