

AI-03100 osTicket Docker

Owner	Ⓜ Rigel Arcayan
Tags	Project
Created time	@October 24, 2025 1:34 AM

Create a docker compose file for osticket and include NGINX NPM, phpmyadmin Information:

Directory: /home/dockerlab/ (persist all volumes and data in the respective service folders)

Network: inventree_default bridge

Hostdb: mariadb

db_name: osticket

db_user: osticket_user

db_password: SecurePassword!

Below is a **complete** `docker-compose.yml` file that deploys:

- ✓ osTicket
- ✓ NGINX Proxy Manager (NPM)
- ✓ phpMyAdmin
- ✓ MariaDB database (as hostdb)

All data will persist inside `/home/dockerlab/` under dedicated folders, and all containers join the `inventree_default` Docker network (bridge).

✓ **docker-compose.yml**

```
version: "3.9"

services:
  mariadb:
    image: mariadb:10.6
    container_name: mariadb
```

```
restart: always
environment:
  MYSQL_ROOT_PASSWORD: SecurePassword!
  MYSQL_DATABASE: osticket
  MYSQL_USER: osticket_user
  MYSQL_PASSWORD: SecurePassword!
volumes:
  - /home/dockerlab/mariadb:/var/lib/mysql
networks:
  - inventree_default
```

```
osticket:
image: osticket/osticket
container_name: osticket
restart: always
depends_on:
  - mariadb
environment:
  MYSQL_HOST: mariadb
  MYSQL_DATABASE: osticket
  MYSQL_USER: osticket_user
  MYSQL_PASSWORD: SecurePassword!
volumes:
  - /home/dockerlab/osticket:/var/www/html
networks:
  - inventree_default
```

```
phpmyadmin:
image: phpmyadmin/phpmyadmin
container_name: phpmyadmin
restart: always
depends_on:
  - mariadb
environment:
  PMA_HOST: mariadb
  PMA_USER: root
```

PMA_PASSWORD: SecurePassword!

ports:

- "8081:80"

networks:

- inventree_default

nginx-proxy-manager:

image: jc21/nginx-proxy-manager:latest

container_name: nginx-proxy-manager

restart: always

ports:

- "80:80" # Public Web

- "81:81" # Admin UI (http://your-ip:81)

- "443:443" # SSL

volumes:

- /home/dockerlab/npm/data:/data

- /home/dockerlab/npm/letsencrypt:/etc/letsencrypt

networks:

- inventree_default

networks:

inventree_default:

driver: bridge

✓ Folder Structure Created Under `/home/dockerlab/`

/home/dockerlab/

```
├─ mariadb/      # MariaDB persistent data
├─ osticket/    # osTicket files & configurations
├─ npm/
│ └─ data/      # NGINX Proxy Manager settings
│ └─ letsencrypt/ # SSL certificates
```

✓ How to Use This

1. Save the file as:

```
/home/dockerlab/docker-compose.yml
```

2. Run:

```
cd /home/dockerlab  
docker compose up -d
```

3. Access services:

Service	URL
osTicket	http://
NGINX Proxy Manager	http://:81
phpMyAdmin	http://:8081

Next Steps (Optional but Recommended)

- Add domain names via NGINX Proxy Manager → Proxy Hosts
- Enable SSL using Let's Encrypt
- Set correct folder permissions (www-data for osTicket)
- Backup `/home/dockerlab/` regularly

Would you like me to **separate this into core/app compose files**, or **zip the entire dockerlab directory with configs** for download?