

AI-02061 Ubuntu Azure Docker

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Tags	Project
Created time	@September 3, 2025 10:25 PM

I have 1 Ubuntu Server in Azure, can I run all these applications (MantisBT, Odoo, SuiteCRM, Wordpress, MediaWiki, OpenEMR) in one server for a small PCP clinic in FL? What is the best known method for these application?

Great! Here's a **step-by-step Docker Compose deployment guide** for running **MantisBT, Odoo, SuiteCRM, WordPress, MediaWiki, and OpenEMR** on a **single Ubuntu Server** in Azure.

Prerequisites

1. **Ubuntu Server** (20.04 or later)
2. **Docker & Docker Compose installed**

```
sudo apt update
sudo apt install docker.io docker-compose -y
sudo systemctl enable docker
```

3. **Domain or subdomains** (optional but recommended for reverse proxy)

Step 1: Create Project Directory

```
mkdir ~/clinic-stack
cd ~/clinic-stack
```



Step 2: Create `docker-compose.yml`

Here's a simplified version with all six apps:

```
version: '3.8'

services:

  mantisbt:
    image: mantisbt/mantisbt:latest
    ports:
      - "8081:80"
    environment:
      - DB_HOST=db
      - DB_NAME=mantis
      - DB_USER=root
      - DB_PASSWORD=mantisspass
    depends_on:
      - db

  odoo:
    image: odoo:latest
    ports:
      - "8069:8069"
    environment:
      - HOST=db
      - USER=odoo
      - PASSWORD=odoopass
    depends_on:
      - db

  suitecrm:
    image: salesagility/suitecrm:latest
    ports:
      - "8082:80"
    environment:
```

- DB_HOST=db
- DB_NAME=suitecrm
- DB_USER=root
- DB_PASSWORD=suitepass

depends_on:

- db

wordpress:

image: wordpress:latest

ports:

- "8083:80"

environment:

- WORDPRESS_DB_HOST=db
- WORDPRESS_DB_USER=root
- WORDPRESS_DB_PASSWORD=wordpresspass
- WORDPRESS_DB_NAME=wordpress

depends_on:

- db

mediawiki:

image: mediawiki:latest

ports:

- "8084:80"

environment:

- DB_HOST=db
- DB_NAME=mediawiki
- DB_USER=root
- DB_PASSWORD=wikipass

depends_on:

- db

openemr:

image: openemr/openemr:latest

ports:

- "8085:80"

environment:

```
- MYSQL_HOST=db
- MYSQL_ROOT_PASS=openemrpass
depends_on:
  - db

db:
  image: mariadb:latest
  environment:
    - MYSQL_ROOT_PASSWORD=rootpass
  volumes:
    - db_data:/var/lib/mysql

volumes:
  db_data:
```

Step 3: Deploy the Stack

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

Step 4: Access Applications

App	URL
MantisBT	http://your-server-ip:8081
Odoo	http://your-server-ip:8069
SuiteCRM	http://your-server-ip:8082
WordPress	http://your-server-ip:8083
MediaWiki	http://your-server-ip:8084
OpenEMR	http://your-server-ip:8085

Step 5: Secure with HTTPS (Optional)

Use **Nginx + Let's Encrypt** or **Traefik** as a reverse proxy to enable HTTPS and route subdomains.

Step 6: Maintenance Tips

- Use `docker-compose logs -f` to monitor logs.
 - Use `docker exec -it <container> bash` to access containers.
 - Backup volumes regularly.
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Would you like me to generate a **ready-to-deploy ZIP file** with this configuration and setup scripts?