

LibreNMS Network Monitoring Server by Code Creator

Customer Quick Start Guide

Ubuntu 24.04 • Docker based deployment • First boot installer flow

1. Overview

This server launches LibreNMS in Docker on Ubuntu 24.04. On first boot, the stack starts automatically. On first browser visit, LibreNMS opens its installer so you can create your own admin account. There is no baked-in default LibreNMS web password in this refreshed build.

2. Security Group and Ports

- TCP 22 for SSH access
- TCP 8000 for the LibreNMS web interface
- UDP 162 for SNMP traps if you plan to receive traps
- UDP 514 for syslog if you plan to receive syslog
- TCP 162 and TCP 514 are optional and usually only needed for specific forwarding edge cases

3. First Login

After the EC2 instance finishes booting, connect by SSH and review the first-login note:

```
cat /home/ubuntu/FIRST_LOGIN.txt
```

Open the LibreNMS web interface in your browser:

```
http://YOUR_INSTANCE_PUBLIC_IP:8000
```

Expected behavior:

- LibreNMS redirects to the installer on first browser access.
- Create your own admin account.
- Sign in and begin adding monitored devices.

4. Main Server Paths

LibreNMS Docker stack directory:

```
/home/ubuntu/librenms/codecreator-librenms
```

Compose file:

```
/home/ubuntu/librenms/codecreator-librenms/compose.yml
```

5. Day to Day Commands

- Go to the LibreNMS stack directory: `cd /home/ubuntu/librenms/codecreator-librenms`
- Show container status: `sudo docker compose ps`
- Start the stack: `sudo docker compose up -d`
- Stop the stack: `sudo docker compose down`
- Restart the stack: `sudo docker compose down && sudo docker compose up -d`
- View recent LibreNMS logs: `sudo docker compose logs --tail=100 librenms`
- View all service logs: `sudo docker compose logs --tail=100`

6. Adding Your First Device

1. Log in to the LibreNMS web interface.
2. Go to Devices, then Add Device.
3. Enter the target hostname or IP address.
4. Choose the correct SNMP version for the target device.
5. Enter the SNMP community string or credentials.
6. Save the device and allow LibreNMS time to discover and poll it.

7. Optional Inbound Monitoring Features

- SNMP traps can be received on UDP 162 if that port is allowed in the security group.
- Syslog can be received on UDP 514 if that port is allowed in the security group.
- If you do not use traps or syslog, those ports do not need to be opened.

8. Reboot Behavior

Docker is enabled on boot and the Code Creator first-boot initializer starts the LibreNMS stack automatically on a fresh launch. After initial deployment, the Docker services continue to restart automatically if the instance reboots.

9. Troubleshooting

- Web page does not open. Confirm the EC2 security group allows TCP 8000, then test locally with:
`curl -I http://127.0.0.1:8000`
- Containers are not running. Check the stack status with:
`cd /home/ubuntu/librenms/codecreator-librenms && sudo docker compose ps`
- Need application logs. Review recent LibreNMS logs with:
`cd /home/ubuntu/librenms/codecreator-librenms && sudo docker compose logs --tail=100 librenms`
- Need to restart everything. Run:
`cd /home/ubuntu/librenms/codecreator-librenms && sudo docker compose down && sudo docker compose up -d`

10. Important Notes

- Use your instance public IP address in the browser unless you later place LibreNMS behind your own DNS name or reverse proxy.
- This AMI is intended to give you a faster start on AWS. You remain responsible for opening only the ports you need, setting your own LibreNMS admin account, and adding your own monitored infrastructure.
- Do not share SSH access or your LibreNMS admin credentials with unauthorized users.

11. Support Resources

- Official documentation: <https://docs.librenms.org/>
- Docker deployment guide: <https://docs.librenms.org/Installation/Docker/>
- Project site: <https://www.librenms.org/>

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