

# Warewulf: An overview, new features, and community updates

February 3, 2024  
FOSDEM 2024  
Brian Phan



# Overview

- Stateless OS provisioning system
- Components:
  - Warewulf managed services: DHCP, TFTP, NFS
  - Node images
  - Overlays (system, runtime)
  - Node profiles
  - Nodes
- Warewulf server, node profiles, and node configurations all in YAML



# Upcoming Features in Warewulf 4.5

- Disk partitioning with Ignition. For example, creating a 1G swap partition on a node configuration.

```
wwctl node set n01 \  
  
  --diskname /dev/vda \  
  
  --partname swap --partsize=1024 --partnumber 1 \  
  
  --fsname swap --fsformat swap --fspath /swap
```

- GRUB Netboot (technical preview)
  - Enable by setting ``grubboot: true`` in `/etc/warewulf/warewulf.conf`



# Community Updates

- Established [contribution](#) and [maintenance](#) policies
- Established [technical steering committee](#) and elected committee chair
- Quarterly community meetings
  - Features 1-2 sites presenting on their Warewulf deployment
- Bi-monthly developer and committee meetings
  - Focused on issues, milestones, and pending PRs



# Get Involved Today!

- Slack: <https://warewolf.slack.com>
- Warewolf Code Base: <https://github.com/warewolf/warewolf>
- Bootable Warewolf Node Images:  
<https://github.com/warewolf/warewolf-node-images>



Questions?

