

**Welcome to the
Linux Users Group!**

Announcements

- Installfest!
- IPP Job posting
 - Must register with IPP
 - IPP orientation tomorrow, 4pm

System Imager

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Overview

- **Main idea**
- Preparing images
- Deploying images
- Overrides
- Conclusion

Main Idea



Main Idea

- Remote installs 1 to many servers
- Deploys hard drive images
- Supports Linux, BSDs, and even Windows
- Black magic voodoo

Requirements

- Same image for all servers
- DHCP, DNS
- Rsync
- Patience

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Preparing Images

- Establish a golden client
- Server builds deployable config files
 - Fstab, LVM, raid
- Server retrieves image from golden client
 - Rsync
 - Security hazard

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- **Deploying images**
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Deploying Images

- SI boot disk
 - BOEL
 - YUOK
 - Creates partitions for you
- PXE
 - Requires changes to `dhcpd.conf`

Deploying Images

- Uses rsync to download autoinstall scripts
- Creates partitions for you
- Copies data onto hard drive
 - Rsync
 - Bit Torrent
 - Multicast

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Overrides

- Different configuration files
- Defined in clusterconfig file
- Can deploy at install time
- Can deploy live as well

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Conclusion

- Powerful, open source software
- Simple, easy to manage
- Drastically reduces workload
- Uses pre-existing infrastructure