



MTU LUG GENERAL MEETING

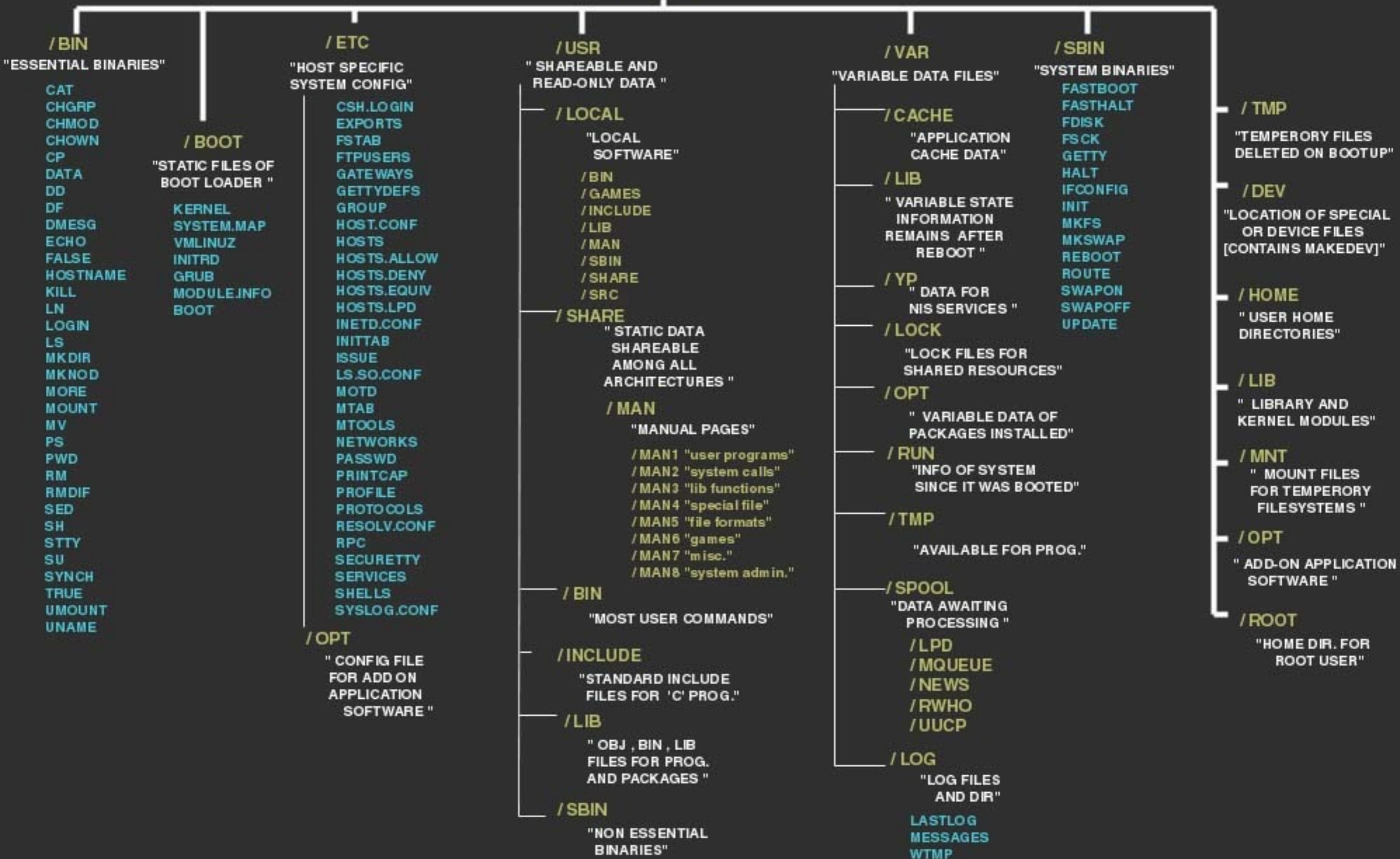
2/19/2014



SERVER STATUS

- Postfix Misconfiguration
- Website Hosting
- UPS Testing

/ "ROOT"

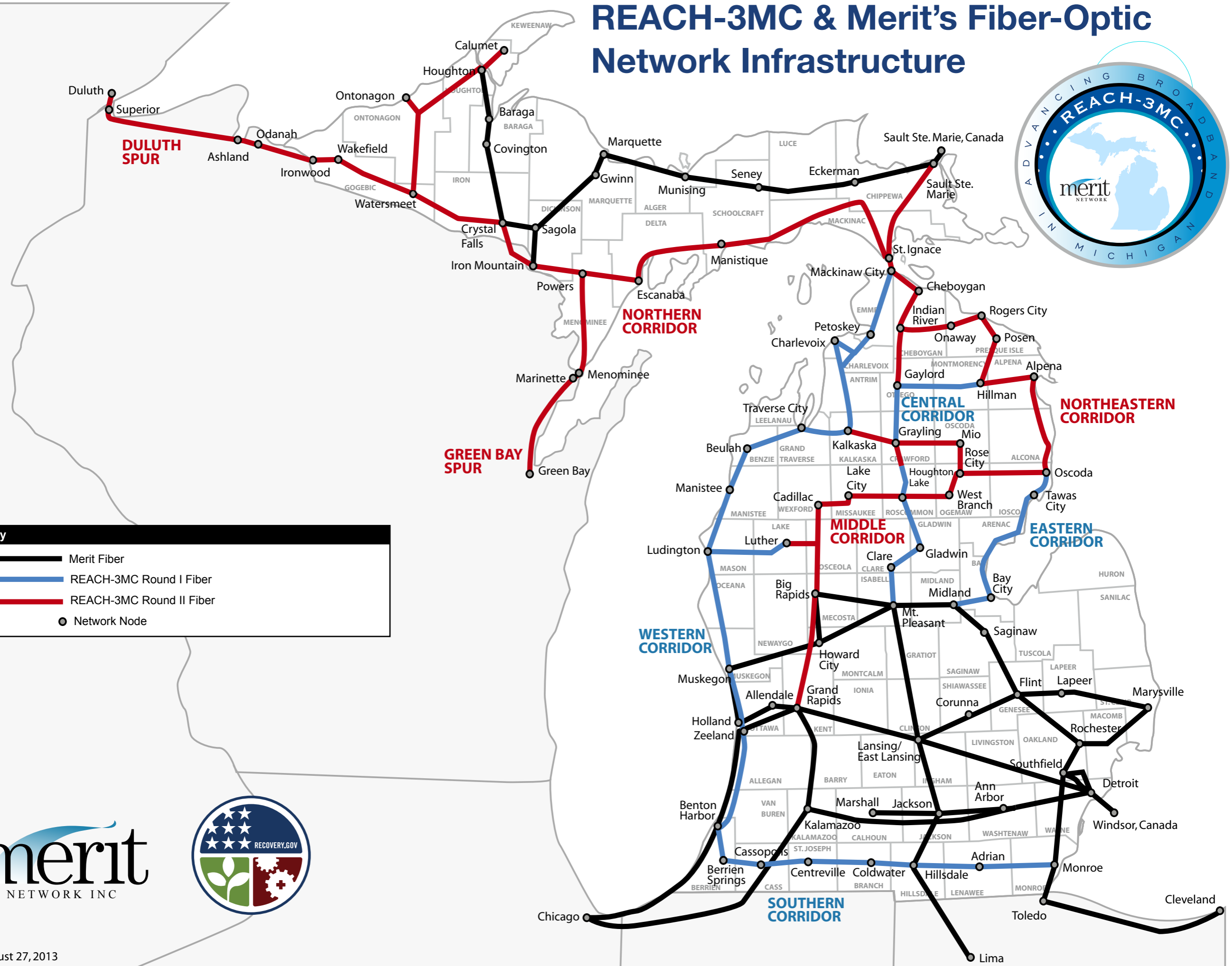


REACH-3MC & Merit's Fiber-Optic Network Infrastructure



Key

- Merit Fiber
- REACH-3MC Round I Fiber
- REACH-3MC Round II Fiber
- Network Node





ELECTIONS

- When should we open nominations?
- Choose a week to hold voting



LINUX NEWS

- CrunchBang++ & Bunsen Labs
- Mozilla Bug "Bug 949446 - Source Code Disclosure of every possible project"
- systemd 219 released
- Sony - Self-driving car - Runs linux!
- <https://training.github.com/kit/>



WHAT DID YOU
BREAK THIS WEEK?



DESIGNING A HA SYSTEM



HARDWARE

- Redundant Servers
- Dual Networking
- Backup Power
- Redundant Hard Drive Setups



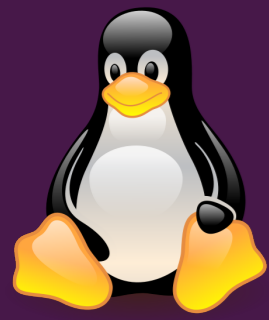
SERVERS

- Geolocations
- Separate Providers
- Uptime Guarantee (9's)



DUAL NETWORKING

- Separate ISPs
- Distinct backhaul Connections



BACKUP POWER

- Dual PSUs
- Separate power sources
- UPS/Generators



HARD DRIVES

- RAID
- Backup RAID Controllers



SOFTWARE

- Portability
- Connectivity
- Databases



PORTABILITY

- Docker Containers
- Virtual Machine Images
- Contained git repositories



CONNECTIVITY

- 'Automatic' network communication between 'sites'
- Shared storage between applications



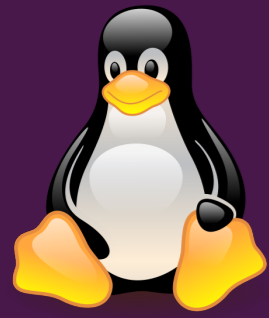
DATABASES

- Backups, Backups, Backups
- Active/Passive or Active/Active setups



SCALABILITY

- 1 to 100 to 1000 to 10000 users
- Bottleneck points



COMMENTS / QUESTIONS?

- Ideas for next weeks presentations?



CONCLUSION

SEE EVERYONE
NEXT WEEK!