Running Linux Servers

Where would Azure be without them?

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Agenda

- Connecting To Servers
- Dealing With Log Files
- Automating Backups
- ... and a lot of details on the way!

Connecting to Servers

- Use *SSH*
  - ... with *public key encryption*!
- *mosh* can survive connection faults and roaming
- *tmux* and *screen* can detach and resume sessions
  - also enable console-level window handling

DEMO

Dealing With Log Files

- Log output is delivered to files by a daemon, based on rules
- `/var/log` is the main log directory
- Logs are rotated, archived and removed on schedule
- Many special tools exist for log analysis purposes
- Standard Unix command line tools can be used for manual analysis purposes

DEMO

Automating Backups

- Traditional command: `tar`
- `rsync` synchronizes files (duh!)
  - Can use SSH for transport
  - Efficient partial file transfer
- Beyond that, I recommend duplicity
  - Backup generation handling
  - 20+ backup storage services supported

DEMO

Sources

- This presentation:
  - https://oliversturm.github.io/running-linux-servers-public
  - PDF download: https://oliversturm.github.io/running-linux-servers-public/slides.pdf
- Demo code:
  - https://github.com/oliversturm/running-linux-servers-public

Thank You

Please feel free to contact me about the content anytime.

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