

RUNNING LINUX SERVERS

WHERE WOULD AZURE BE WITHOUT THEM?

Oliver Sturm • @olivers • oliver@oliversturm.com

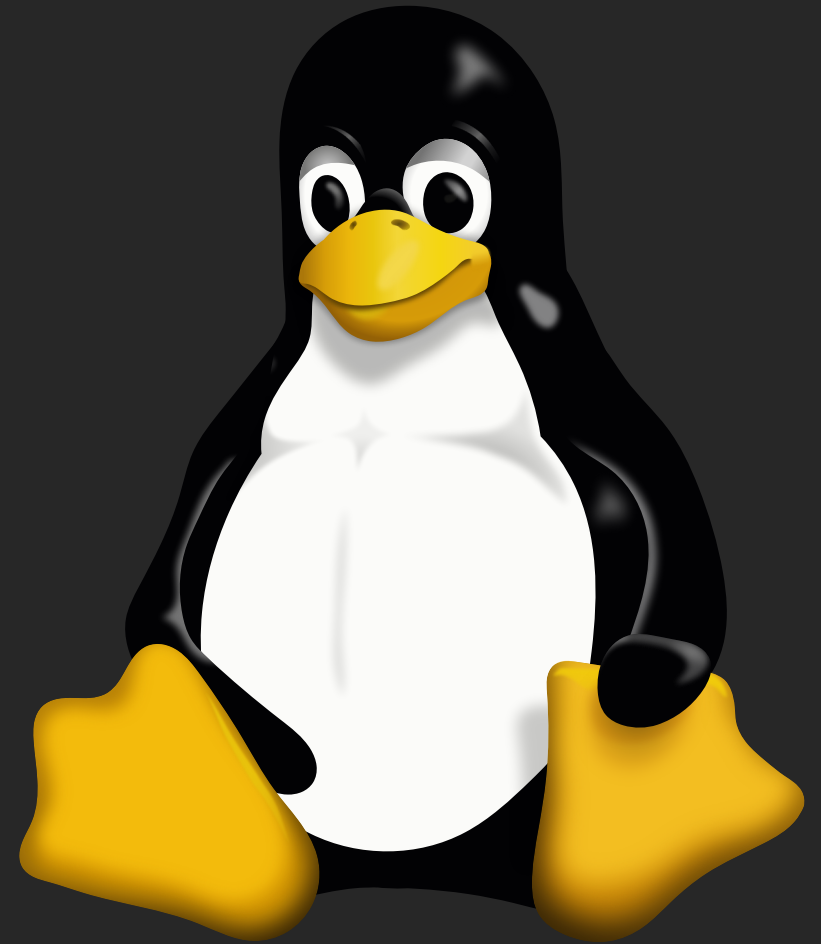


OLIVER STURM

- Training Director at DevExpress
- Consultant, trainer, author, software architect and developer for over 25 years
- Contact: oliver@oliversturm.com

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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