Aino Ruusunen

Linux Administrator

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SUMMARY

Linux administrator with 7 years running Red Hat Enterprise Linux and Ubuntu fleets of up to 620 hosts for a hosting provider and a public utility. Moved 340 servers from CentOS 7 to RHEL 9 ahead of end of life, and rebuilt patching with Ansible so the whole fleet now patches in one 4-hour window each month. Comfortable owning the pager and writing the runbook afterward.

EXPERIENCE

Linux Administrator — Clark Fork Hosting Cooperative

Missoula, MT · Apr 2021 – Present

- Administer 620 RHEL 8/9 and Ubuntu 22.04 hosts serving 1,900 hosted customer sites, holding 99.97% monthly availability across 2 data halls.
- Migrated 340 CentOS 7 servers to RHEL 9 over 7 months using Leapp and rebuilds, finishing 5 weeks before end of life with 2 customer-visible incidents.
- Rewrote monthly patching as 38 Ansible roles with canary batches, cutting the patch window from 3 nights to a single 4-hour window.
- Enforced SELinux in enforcing mode on 410 web hosts after writing 27 custom policy modules, closing every finding from the annual PCI scan.
- Replaced cron-based log rotation with journald limits and a Loki stack, freeing 11 TB of disk and cutting disk-full pages from 9 a month to 1.

Junior Linux Administrator — Bitterroot Electric Utility District

Hamilton, MT · Jun 2018 – Mar 2021

- Supported 160 RHEL 7 servers running metering, outage mapping and billing software for 48,000 customers, closing 30 tickets a week within SLA.
- Wrote Bash scripts that checked NFS mounts, disk usage and failed systemd units every 5 minutes, catching 14 storage faults before users reported them.
- Built kickstart templates for 4 server roles, cutting a new physical host build from 2 days to 3 hours.
- Restored the outage-mapping database from LVM snapshots during a 2019 storm, bringing the map back online in 40 minutes.

SKILLS

Distributions: Red Hat Enterprise Linux 7-9, Rocky Linux, Ubuntu Server 20.04/22.04, Debian

Automation & Scripting: Ansible, Bash, Python, kickstart, Git, Jenkins

Security & Storage: SELinux, firewalld, OpenSCAP, LVM, XFS, NFS, iSCSI

Monitoring & Services: Prometheus, Grafana, Loki, Nginx, HAProxy, PostgreSQL basics, KVM

CERTIFICATIONS

Red Hat Certified Engineer (RHCE), 2023

Red Hat Certified System Administrator (RHCSA), 2019

EDUCATION

B.S. Computer Science, University of Montana, 2018

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