Andrew Wood

E-mail
cv@ivarch.com

Mastodon
@ivarch@fedi.ivarch.com

Website
https://ivarch.com/

Location
Darwen, Lancashire, UK

Skills

- Linux system administration
- Development / sysadmin lead
- Systems analysis and design
- Systems integration
- Security auditing, PCI DSS
- Network design
- Documentation
- ITIL v3 foundation

System admin

- Debian, AlmaLinux, Rocky, CentOS, Ubuntu, SUSE, RHEL
- KVM, Proxmox, OnApp, ESXi, GCP, AWS
- NGINX, Apache HTTPD, HAProxy, Tomcat, MariaDB, BIND, PowerDNS, VSFTPD, Squid, Postfix
- TCP/IP networking, firewalling (iptables and nftables)
- Unix porting (BSD variants)

Languages and Tools

- Git
- bash, sh, sed, awk
- Perl 5, mod_perl, Python
- C
- SQL (MySQL/MariaDB, Oracle)
- JavaScript, jQuery
- HTML, CSS
- HTML::Mason
- Puppet
- GNU toolchain

Dedicated, analytical Linux system administrator, Unix programmer, and technical manager with a history of delivering stable, secure, flexible, supportable solutions at all scales, from bare metal to the cloud, both individually and through directing a team.

Experience

2024-2026 **Senior Linux Engineer** *iomart Managed Services*

Duties: Design, implement, maintain, and support physical and virtual Linux servers, bulk shared web hosting clusters, OnApp and VHI cloud platforms, and other virtualisation environments. Plan and execute replacement of end-of-life products. Ensure optimal performance, confidentiality, integrity, and availability of systems. Implement and enforce security policies and best practices. Document processes and procedures. Research and evaluate new technologies and tools.

Impact:
- Introduced CIS baseline compliance across a heterogeneous estate
- Delivered downtime-free OS upgrades to 120+ production servers
- Centralised patch and batch job management across a disparate, segmented network
- Introduced coherent VM asset indexing across 30+ VMware clusters

2019-2024 **Linux Architect** *JD Sports Fashion PLC*

Duties: Plan the future direction of the Linux estate, including operating system and software upgrade roadmaps, across all endpoints in the company. Steer group-wide technology decisions and influence new project design through the Enterprise Architecture Board. Act as senior technical consultant and problem escalation point for the Linux system admin team.

Impact:
- Delivered a 10-year OS roadmap for 6000+ retail and server devices
- Improved security and stability with a custom endpoint management system
- Provided auditable GDPR-compliant ERP support access to developer teams
- Improved team efficiency with CI/CD pipelines, initially using *Jenkins*
- Built an extensible platform for rapid delivery of support applications
- Enhanced collaboration using a bespoke Kanban tool with key integrations
- Designed and built AWS VPCs and EC2 instances for cloud migration PoCs

2006-2019 **Senior Linux System Administrator, Linux Team Manager** *JD Sports Fashion PLC*

Duties: Support and maintain the Linux endpoints running Red Hat Enterprise Linux and CentOS 4 through 7. Provide the business with tailored system integration solutions. Set triage policy and build technical debt and development roadmaps. Co-ordinate team efforts with the wider business. Ensure that all services are observable and supportable, with documentation for the service desk. Act as team lead, senior technical consultant, and problem escalation point for the Linux system admin team.

Impact:
- Recruited, trained, and mentored Linux admin team colleagues
- Enabled core ITIL processes for the Service Desk, using *Request Tracker*
- Built server and endpoint monitoring and alerting platforms using *Zabbix*
- Delivered multiple integrations, such as between WMS and the Cobol ERP
- Created a set of self-isolating test environments and a management system
- Delivered reporting and maintenance tools to various business units
- Developed and documented all team policies and procedures
- Built an enhanced service observability platform on custom *Zabbix* exports
- Delivered a standardised, automated, build and deployment system
- Improved team performance by embedding key processes into support tools

Education

CCNA Discovery 1 – 4 · ITIL Foundation version 3 · BSc Hons Physics

Coursera certificates

Google IT Automation with Python · Configuration Management and the Cloud
Troubleshooting and Debugging Techniques · Introduction to Git and GitHub
Using Python to Interact with the Operating System · Automating Real-World Tasks with Python
CISSP Domain 1: Security and Risk Management · CISSP Domain 2: Asset Security
CISSP Domain 3: Security Architecture and Engineering