

Resume of Simon Lyall

Experienced Unix and Network Administrator

Key Skills and Experience.

Overview: I have strong System and Network Administration skill set, especially in designing , building and maintaining large enterprise level Internet services.

Specialities: Large Email Services, Linux Administration, DNS.

Unix/Linux Based Services

- Administration of Linux and Solaris especially in the Internet environment. I have used Redhat, Debian and other Linux distributions for more than 10 years.
- Direct day to day administration of a 600k and 200k mailbox email systems (dozens of servers each) , Web Servers, DNS and Authentication Servers in load balanced and clustered configuration.
- Overall responsibility (including upgrades and planning) for all Linux/Unix Servers at an Internet Service Provider.
- Anti-Spam and Anti-Virus filtering in a large environment.

Maintaining Linux and Network Servers/Services.

- Maintaining Farms (50+) of Linux Servers via common installs, software packages, configuration management.
- IP network design and implementation.
- Server hardware install and maintenance, including obtaining quotes, ordering, purchasing, upgrading, physical layout, housing and cabling.

Cisco and Foundry Routers and Switches

- Experience with use and configuration of IOS based Routers, Switches and Access Servers in an ISP environment.
- Ability to diagnose and solve general Layer 2 - 4 problems, as well as plan and implement large scale network changes.

General

- Able to plan, start and complete projects.
- Can work well with external vendors and suppliers as well as internal customers, suppliers and co-workers.

Specific Skills

- **Email:** Openwave MX, Exim, Sendmail, Qmail, Mailman, TrendMicro Antivirus products, Brightmail, Spamassassin, Procmal, Various other email products, General Spam and Virus Filtering.
- **Network Products:** F5 load balancers, Cisco Routers and Switches.

- **File Systems:** NFS, Network Appliance Filers.
- **DNS:** Bind 8.x/9.x , DNSBLs,
- **Web Administration:** Apache, Lighttpd, Squid.
- **Programming / Scripting:** Small scale Perl and Shell scripting.
- **General Unix Skills:** Linux (especially Debian and Ubuntu) and Solaris administration. General range of skills including installation, administration, automating tasks, virtualisation, maintenance, monitoring and backup. Good experience with usual range of Linux/Unix applications and daemons.
- **Other:** Usenet News, Foundry Layer 2 - 4 Switches and local balancers, Juniper load balancers, RAID and Volume managers, Ascend MAX/TNT/APX, Sun Java Web Server, Sun Cluster, Veritas Cluster, NetCache, Vingette Content management, etc

Work History

System Support Specialist at Telecom NZ (mid 2004 to present)

Part of operations team responsible for maintaining various services used by Telecom NZ's Xtra ISP (approx 650,000 home and SME users) and various other systems.

Major Responsibilities:

- Operation of Load balanced DNS , Radius and Email systems for all customers.
- Oncall and backup for others systems maintained by the team including several Top 20 New Zealand websites.
- Various projects in areas of responsibility.

Senior Engineer at ihug (mid 2000 to mid 2004)

Lead Administrator responsible for all Servers (approx 80 Linux based) and 3rd Network Admin at an ISP with over 150,000 dialup/broadband customers across Australia and New Zealand.

Major Projects and Responsibilities:

- Redesigned the Email System for per user spam/virus filtering, increasing it's reliability and scalability. Implemented the new design and migrated 200,000 mailboxes to it.
- Separately migrated main websites, Cache Farm, DNS systems, Customer Homepages System, and other components to new and more scalable hardware and software.
- Numerous system and service upgrades, product evaluations, projects, etc.
- Responsible for IP provisioning
- In charge of Abuse Team and Law Enforcement Interaction.

System/Network Administrator at ihug (1998 to mid 2000)

Member of the NOC team responsible for running the network of a medium sized but diverse ISP on a 24/7 basis. Responsibilities included monitoring the Network and Servers and fixing any problem that occurred, providing phone and email support to major customers. Other tasks both under direction from senior staff and autonomously.

As part of the NOC team I helped install, run, monitor and upgrade a network serving over 120,000 dialup customers and 100 leased circuit customers across 3 countries and multiple satellite and ground circuits. Additional responsibilities included running and designing the Usenet News architecture and handling Abuse Mailbox.

System Administrator at Omega Centauri Internet (Early 1995 to mid 1996)

Part time Usenet Administrator and Assistant System Administrator at a small ISP.

Partner in Midland Internet (1993-1994)

Partner in early New Zealand ISP. Did some system administration work part time.

Process worker at Carter Holt Harvey (1993-1998) (Full Time)

Baker at Woolworths New Zealand (1989-1998) (Part Time)

Qualifications and Education

- Various vendor courses.
- 1990-92 - Studied at [Waikato University](#) towards a Computer Science and Philosophy degree.
- 1989 - "A" Bursary (High School Graduation - Highest Graduation Level) in 5 subjects. University entrance.

Activities

- Past Chair of the USEFOR Working group of the IETF (Internet Engineering Task Force).
- Past Council Member of InternetNZ, Active member of The New Zealand Network Operators Group (NZNOG) , Member of InternetNZ anti-spam Task Force.
- Co-Organiser of SysAdmin Minconfs at Linux.conf.au,

Personal and Contact Details

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