Nick Anderson

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technical mutterings: http://www.cmdln.org

Experience

Network & Systems Administrator (February 2007 – Present)
PilgrimPage Inc. / Absorbent Ink, Lawrence, KS
Perform troubleshooting of business computers and peripheral equipment. Manage Linux IT infrastructure including Gentoo, Debian 4.0, RHEL3, and RHEL4 distributions, Exim and Qmail mail servers, MySQL 4.x and 5.x, and Apache 2.0. Implementation of ACLs to improve security and privilege separation. Initiation of server consolidation and virtualization using both VMware server and the open source Xen hypervisor. Configuration of server monitoring with Zabbix to provide performance trending and system status notifications to ensure minimal downtime of critical systems. Provide ongoing desktop support for Linux and Windows workstations. Initiate ongoing consultation with management regarding maintenance, deployment, and cost for the managed infrastructure.

Linux Systems Engineer (November 2005 – February 2007)
TeamHPC, Shawnee, KS
Worked within small technical team to integrate and support Linux based cluster solutions based on commodity hardware (AMD & Intel 64bit). Installed and configured servers, workstations, and high performance computing clusters. Worked with high speed interconnects including Myricoms Myrinet(10G) and PathScales InfiniPath. Enhanced automation scripts to check software configuration for correctness and report status. Installed and benchmarked customer requested compilers (PGI, PathScale, Intel, gcc). Re-created hardware burn-in environment using a Gentoo NFS root to stress all aspects of hardware and be able to trap kernel errors with netconsole. Supported end users' server, and workstation cluster configurations. Configured Asterisk as phone system for small office. Configured first public demonstration of Perceus for Supercomputing Conference 2006. Demonstrated Luster Cluster File System at Linux World 2006 (San Francisco). Installed and maintained RT ticketing system. Extended RT to be fully controllable via email.

IT Specialist (September 2004 – November 2005)
Sunflower Broadband, Lawrence, KS
Provided customer service and troubleshooting for small business and personal computers. Responsible for maintenance and repair of computer hardware and software for various systems. Rebuilt Gentoo vlan trunking configuration for Naismith Hall.

Network Administrator/IT Manager, Production Manager (August 2002 – October 2004)
Action Photo & Jordan Photography, Overland Park, KS
Maintained network and workstation computers. Administered website built with Perl running on Apache web server. Managed Linux based mail server running Qmail. Designed and developed mobile servers to synchronize on-site and on-line sales. Reduced image processing time by rewriting image manipulation script, effectively cutting processing time. Configured routers, firewalls, domain name services, e-mail, web, and ftp services. Evaluated, purchased, configured and installed equipment. Developed internal technical documentation. Ceased outsourcing of email, web hosting, and e-commerce to increase profit margins. Processed images for lab as production manager.

Education

Bachelor of Science, Management Information Systems
National American University – Completed 2007

Associate, Computer Technology
Vatterott College of Kansas, Kansas City, MO – Completed 2003

Skills

FreeBSD, Linux (Debian 4.0, RHEL3, RHEL4, Centos 3, Centos 4, Centos 5, Gentoo), Apache, mail server (Exim, Qmail, Postfix, Exchange), hardware installation, maintenance and repair (multi-socket multi-core, up to 128GB memory), remote server management, Unix shell scripting (bash), Perl, Python, Ruby, MySQL (4.x, 5.x), Virtualization (Xen, VMware), Asterisk, Firewalls (iptables, pf), Source Code Management (Subversion, Git, Mercurial), Clustering toolkits (Perceus, Warewulf, PBS/Torque, PBS-PRO, Ganglia) .