Tom Reeb

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Experience

Sr. DevOps Engineer - Comcast   July 2016 - Present

DevOps and Systems Engineer for Comcast's Xfinity WiFi. Primarily responsible for securing, managing, and integrating over 400 linux servers that support over 15 million wireless access points nationwide. Lead daily scrum, backlog grooming, and sprint planning/review sessions. Develop, prioritize, and report on departmental projects and operational status for executive staff. Lead the development of a full server lifecycle management solution with continuous and automated deployments for the applications supporting the Xfinity WiFI Infrastructure. Utilizing Git for collaboration and source control, Spacewalk/Katello for Security Compliance and Patching, Puppet for system Configuration Management, Jenkins for Testing and Continuous Integration, Ansible for automated system and application deployment, Zabbix for server and AP monitoring, and Elastic Stack (ELK) for log analysis.

Manager, IT Infrastructure - Coriell Institute for Medical Research   August 2013 – July 2016

Manager of IT Infrastructure and Operations in a mixed environment of over one hundred physical and virtual Windows and Linux servers, on premises and AWS. Manage IT Helpdesk staff that support users at four sites. Automated DevOps configurations, deployments, builds, and patches with Bash, Python, Ansible, Spacewalk, Git, and TeamCity. Developed and executed plans to achieve 100% virtualization with VMware vSphere, including deployment of Veeam Backup & Replication. Redesigned Storage Area Network consisting of HP 3PAR, IBM XIV, and NetApp FAS devices with Fiber Channel, iSCSI, NFS, and CIFS connectivity. Worked with application developers to strategically design web, app, and SQL environments for increased performance and security of Coriell's custom built .NET applications. Built a highly available load balancer cluster using HAProxy for production application servers and customer facing sites. Worked with PhD staff scientists to develop Linux HPC cluster for processing of large sets of genomic data. Lead project to replace primary ISP with dedicated fiber, increasing bandwidth by a factor of 5 at a cost savings. Upgraded and migrated existing telecommunications system to a cloud hosted solution saving the organization over $35,000 annually. Worked with IT management team to launch a change control/management system to increase transparency and consistency in IT. Lead project to build and implement asset management and helpdesk solutions to streamline department work. Architected and executed a complete network overhaul focusing on High Availability including redundant ISPs with automated failover, active/standby firewall cluster, SSL VPN connectivity with two-factor authentication, VLAN segmentation, and centrally managed, RADIUS authenticated 802.11ac Wi-Fi network for employees and guests in multi floor main office. Implemented Nagios for network, server, and application monitoring. Worked with CIO to develop annual budgets, Disaster Recovery and Contingency plans, RFPs, and SOPs.

Infrastructure Administrator - The Hackett Group   July 2012 – August 2013

Administrator for 99% virtualized infrastructure consisting of 20+ VMware ESXi hosts, 250 Linux and Windows guests, and physical Active Directory and File servers at 14 worldwide. Worked with a team to develop and execute Disaster Recovery plan. Configure and manage backups of local and remote file servers with CommVault. Configure and manage NetApp FAS SAN storage for NFS, iSCSI and CIFS and utilizing Snap Mirroring to sync SANs between sites. Lead a project to deploy a private cloud file sharing solution for employees and consultants to securely and efficiently collaborate.

Network Administrator I - Philadelphia Housing Authority   March 2008 – July 2012

Network Administrator large government agency with 50+ remote office locations. Ensured the overall functionality of the LANDesk environment consisting of 150 servers, 1,200 workstations, and over 250 laptops and mobile devices. Wrote scripts for automated image deployment, software deployment, and security patches. Worked with a team to upgrade Active Directory from 2000 to 2003 to 2008 R2 while rebuilding and reorganizing OUs, GPOs, and logon scripts. Worked with a team to upgrade and manage VMware ESXi environment from 3.5 to 5. Lead agency deployment and training of Windows 7. Worked with team to upgrade Lotus Domino from 6.5 to 8.5 and lead the deployment of Notes Client and implementation of Lotus Connections and Quickr servers. Managed corporate messaging systems with Domino/Sametime and Blackberry Enterprise Server for the organization. Lead migration from MacAfee AV to Kaspersky AV. Developed project plans and lead deployment of Lumension Endpoint device security and PGP encryption as part of a security compliance project. Lead a "Green" initiative by deploying Verismic Power Manager, saving the organization over $60,000 per year. Provided top tier and executive technical support.

Education

Certifications	LANDesk Certified Engineer (CLESSM9)	
Drexel University	Bachelor of Science in Information Systems, Minor in Business	2005 - 2010
La Salle College High School	High School Diploma	2001 - 2005

Skills

Operating Systems	RHEL, Oracle, CentOS, Ubuntu, Slackware, Mac OS X, VMware ESXi
Storage	NetApp, IBM, EMC, and HP 3PAR SAN; Brocade Fiber Channel Switches
Networking	Cisco Switches, Routers, Firewalls; F5 and HAProxy Load Balancers; Ubiquiti and Meraki APs
Scripting	Bash, Shell, Python, Ruby, Batch, VB
Management	Ansible, Puppet, Spacewalk, Nagios, Zabbix, ELK, NetFlow, PRTG, SNMP
Applications	Apache, Nginx, Tomcat, IIS, MS SQL, MySQL, Redis, Postfix, Sendmail