

# CHRISTOPHER COFFEY

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## Experience

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**Feb 2007 - Present**

[USGS](#)

**Linux Systems Engineer**

- Planned and converted large heterogeneous NIS environment to LDAP / Kerberos
- Implemented provisioning and patching solution for RHEL 5 based systems
- Design and implement AutoYast system to upgrade Linux workstation and server infrastructure from SuSE 9.1 to SuSE 10.1
- Design and implement system to upgrade Solaris 9 workstations to Solaris 10
- Test and implement patching system for Solaris 10 workstations utilizing an open source proxy patching solution (pca)
- Implement backup strategy utilizing an open source system (dirvish) to maintain safe backups of ISIS planetary imaging software
- Create robust, intelligent Perl scripts to facilitate mission critical data management tasks
- Manage and maintain ~100 Linux workstations and servers with Cfengine

**Apr 2004 - Feb 2007**

[City of Flagstaff](#)

**Application Support Specialist**

- Manage and maintain the City's border email system using Sendmail in conjunction with SpamAssassin and ClamAV to filter spam and malware
- Manage and maintain the City's internal email system consisting of GroupWise 7 running on SuSE Linux Enterprise 9
- Manage and maintain the City's DNS utilizing Bind9
- Create and maintain the City's Network Attached Storage consisting of 10TB running an open source Linux solution
- Manage and maintain the Human Resources employee leadership talent development system running on a LAMP solution
- Manage and maintain a Openswan IPsec server providing secure access for remote sites
- Manage and provide 24 hr support for the Firehouse enterprise software application used by the Flagstaff Fire Department
- Successfully migrated a Netware GroupWise 5.5 email system to GroupWise 7 running on SuSE Linux Enterprise 9
- Support and maintain an enterprise microcomputer infrastructure consisting of 400 Windows 2000 clients
- Manage and maintain the deployment of security patches and updates to the Windows enterprise with Patchlink
- Implemented a Java program to substitute the importing of incidents, provide monitoring, and statistics for the Firehouse Application used by the City Fire Department. In addition providing extensive documentation to the processes of this critical enterprise application
- Support and maintain 30 Windows 2000, six Linux, and two Netware 6 servers in an enterprise environment
- Created a network boot disk with a variety of tools including: Ghost, anti-virus utilities, and a Windows pre-environment to streamline the deployment, rescue, and re-imaging of Windows 2000/XP clients
- Manage and maintain a Xiotech SAN environment that houses 30 server system volumes as well as many data volumes for each server
- Create and manage scripts to push out patches and upgrades for Windows clients
- Create Java programs to simplify and streamline data recovery and distribution
- Provide backup support for the City's wireless WAN, including setting up and troubleshooting of Cisco Aironet bridges and Tsunami sending units
- Manage and maintain VPN access for all City sites utilizing cable modems

Aug 2001 - Dec 2003

[Mars Space Flight Facility](#)

Systems Administrator

- Provided mission-critical support and maintain reliability for multiple types of servers including: Linux clusters, Sun Solaris, Windows 2003 Server, and Apple Xserve
- Managed and maintained two dual-processor Linux clusters (37 and 50 nodes) for processing of Mars image data
- Provided support, system analysis, and repairs/upgrades for system stability, performance, reliability, and durability for all computers at the facility
- Supporting and accommodating the ASU Planetary Imaging Analysis Facility and Advanced Training Institute

## Certifications and Training

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- RHCE on RedHat Enterprise Linux 5 - #805008697531158
- SANS 504 - Hacker Techniques, Exploits and Incident Handling
- Novell Advanced SuSE Linux Administration - Course 3038
- GroupWise 7.0 Administration - Course 3063
- CompTIA A+ Certified
- MS Windows 2003 System HardHat Level 1 - Network Infrastructure and Services - [www.interfacett.com](http://www.interfacett.com)
- MS Windows 2003 System HardHat Level 2 - Advanced Active Directory Implementation and Design - [www.interfacett.com](http://www.interfacett.com)

## Education

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Bachelor of Science in Computer Science                      December 2003  
Arizona State University, Tempe, AZ                              GPA: 3.27 / 4.00

## Skills

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Skill Name	Skill Level	Experience
Linux	Expert	12 years
Windows Client Family	Expert	10 years
Networking (TCP/IP, DHCP, Subnetting)	Advanced	8 years
Samba	Advanced	6 years
Java	Advanced	6 years
Windows Server Family	Advanced	5 years
Mac OS X	Advanced	5 years
Apache	Advanced	5 years
Groupwise	Advanced	4 years
Bind	Advanced	4 years
Cfengine	Advanced	3 years
LDAP	Advanced	3 years
NIS	Advanced	3 years
Kerberos	Advanced	3 years
Sendmail	Intermediate	5 years
Perl	Intermediate	3 years
MySQL	Intermediate	2 years
PostgreSQL	Intermediate	2 years