

Lee S. Whatley

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Related Experience

Field Technical Support Consultant IV January 2020 – present Hewlett Packard Enterprise Stennis Space Center, MS

Continuation of on-site system analyst role after HPE purchased Cray

- Site lead responsible for coordination between DoD customer and HPE, including legacy Cray and SGI assets
- Guided installation of one of the first production HPE Cray EX (Shasta) supercomputers. Resources total ~12PFlops of peak computing power and over 16PB of parallel storage
- Reconfigured and refreshed XC40 system that was originally planned for decommission to provide it with additional usability
- Assist users with porting applications to new systems/architectures

System Analyst IV August 2014 – December 2019 Cray, Inc. Stennis Space Center, MS

Lead analyst responsible for system administration, service, and support of five TOP500 Cray XC30 and XC40 HPC systems at DoD HPC customer site. Resources total over 5.8PFlops of computing power and over 8PB of parallel storage

- Guided installation of three XC40 supercomputers simultaneously from manufacturing turnover to customer acceptance testing in under 22 days
- Plan and coordinate all maintenance activities, software updates, and customer requested changes to the systems
- Act as a resource for customer's user support team when troubleshooting user compilation and performance/runtime issues
- Assist with installation, configuration, and troubleshooting at other Cray customer sites where needed
- Mentor new hires at other sites
- Perform root cause analysis on system/node/application failures

Senior System Administrator July 2004-August 2014 Lockheed Martin Stennis Space Center, MS

Contractor for DoD HPC Center. Manage multiple Linux systems and TOP500 Linux clusters.

- Manage virtualization/migration and lifecycle of site's Linux infrastructure
- Lead administrator for all RHEL support systems (DNS, web, mail, database, etc.)
- Lead administrator of multiple RHEL satellite servers used for management and provisioning of site-wide RHEL infrastructure
- Lead administrator for Appro/Cray nVidia GPU infiniband cluster
- Member of administration team of 12,000+ core Cray XT5 supercomputer
- Member of administration team of Sun servers, including multiple F12k/15k/M5k systems, and large IBM P-series system clusters (p690/p655)
- Member of administration team of multiple 18,000+ core IBM iDataplex infiniband clusters
- Member of administration team of multiple 30,000+ core Cray XC30 supercomputers
- Develop and maintain RPM packages for in-house software
- Provide shell/perl scripting for custom applications and support of the systems
- Assist with administration of multi-Petabyte mass storage/archiving systems

IT Security Administrator

February 2007- September 2008

Lockheed Martin

Stennis Space Center, MS

Contractor for the DoD HPC Center. Duties coincided with system administrator position above.

- Continuously audited all Linux/AIX/Solaris systems to insure security integrity
 - Performed network scans
 - Coordinated patch installations
 - Coordinated system hardening
- Maintained custom security software stack (Kerberos, OpenSSH, OpenSSL, etc.) for all systems
- Acted as primary KDC server administrator
- Acted as liaison between center and other DoD security agencies
- Ensured that center meets all DoD security requirements and guidelines
- Lead comprehensive security assessments
- Evaluated new software products from a security standpoint before they are deployed

System Administrator

June 2000- July 2004

Bashinsky Computer Center

University of Alabama, Tuscaloosa, AL

- Installed, configured, and managed multiple Linux servers
- Developed/managed user account creation and maintenance system for high-traffic web server with over 10,000 users
- Performed network security testing and auditing
- Updated server software, including compiling/installing kernels and security updates
- Planned and successfully executed migration of all C&BA Linux servers from Red Hat Linux 9.0 to Red Hat Enterprise 3.0
- Wrote extensive system documentation and trained other employees on system use and maintenance
- Developed, wrote, and maintained multiple in-house perl, shell, and php scripts

Education**Master of Science in Criminal Justice**

The University of Alabama

Tuscaloosa, AL

Thesis: Using Differential Association, Peer Imitation, and Negative Definitions to Explain Deviant Computer-related Behavior

Bachelor of Science in Business Administration

The University of Alabama

Tuscaloosa, AL

Major: Management Information Systems**Minor: Computer Science**Certifications**Red Hat Certified Engineer (RHCE)**

Red Hat, Inc., License 120-079-504

May 2012 – May 2015

Security+ CE

CompTIA

I currently possess a US Government “Top Secret” security clearance (DoD SSBI)