

# Lee S. Whatley

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## Related Experience

- System Administrator**                      July 2004-present  
Lockheed Martin                      Stennis Space Center, MS
- Contractor for the DoD Naval Oceanographic Office Supercomputing Center (Navy DSRC)
  - Lead Administrator for all Linux support systems
    - Web server, media server, primary mail and DNS servers, file servers, Oracle database servers, visualization workstations, and console servers
    - Myrinet-connected IBM Cluster 1350
    - Infiniband-connected visualization clusters
    - Managed software life-cycle of all MSRC Linux servers and workstations from Red Hat Linux 9 through RHEL 5
    - Converted many smaller servers to Xen virtual machines to consolidate hardware, save on maintenance and support costs, and provide for better failover capacity
  - Member of three person administration team for 1600+ node, 12000+ core Cray XT5 system
    - Work with team to manage hardware and software maintenance of system including maintenance of CLE, PBS, Lustre, and 3<sup>rd</sup> party applications
    - Write custom applications for user support and operations monitoring staff
    - Automate monitoring and administration functions
    - Assist user support staff with user issues and requests
  - Assist LM administration team with day-to-day activities on Sun Solaris servers (multiple F12k/15k), and large IBM AIX P-series clusters
  - Develop and maintain RPM packages and Solaris 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 Naval Oceanographic Office Supercomputing Center (Navy DSRC)
  - 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 including:
    - Primary and Secondary DNS and NTP servers
    - Web server which received over one million hits monthly
    - PostgreSQL server which contained the C&BA user database

- Sendmail server which filtered all student and faculty email for spam and viruses
- Snort Intrusion Detection System (IDS)
- Developed user account creation and maintenance system for high-traffic web server with over 10,000 users
- Performed network security testing and auditing
- Periodically scanned network to detect any possible remote exploits
- 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
- 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

Computer Experience

**Software Packages:** Apache, Vsftpd, Bind, Sendmail, Samba, PostgreSQL, MySQL, Ntpd, Oracle, Kerberos, SSH, RealServer (Helix), Nfsd, Ypserv, Tac+, PBS and various cluster administration tools (CSM, etc.)

**Languages:** Perl, PHP, Bash, C/C++, ANSI SQL, Javascript, Pascal

**Operating Environments**

- Linux (Admin experience 9+ years)
- Solaris (Admin experience 6+ years)
- BSD. AIX (Admin experience 3 years)
- OS X, HP/UX, BeOS (Limited admin experience)

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**

I currently possess a US Government "Top Secret" security clearance (DoD SSBI).