

Phil Cordier

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CRITICAL SKILLS

Senior UNIX systems engineer / manager. Over twenty years experience specializing in UNIX systems/network/security administration, applications development, and quality engineering / review. Experienced with risk assessment, network and host security requirements, high availability and load balancing techniques, performance tuning, capacity planning, backup and recovery, network security / firewall design, intrusion detection, and many other aspects of systems / network management. Extensive project management experience. CISSP and Solaris certified.

PROFESSIONAL EXPERIENCE

GridZones, Seattle WA

2004 - 2009

- *Owner/Operator.* Provider of web hosting and managed IT and consulting services. Managed multiple data centers within the Westin building of downtown Seattle containing approximately 100 co-located and dedicated Solaris 10, CentOS Linux, and W2K3 servers, as well as multiple VMware and Solaris zones based virtual servers. GridZones was the first-to-market provider of Solaris 10 zones-based VPS hosting on the Internet, oriented towards the small business market.

Acted as hands-on systems/network administrator for managed clients, providing backup / firewall / configuration management / Email / OS and application updates / deployments, and 24x7 service-level monitoring.

Built and managed an internal infrastructure of redundant firewalls and DNS servers (OpenBSD and CentOS, utilizing ipf and iptables, keepalived/CARP/VRRP), a backup infrastructure with a dedicated GB network (utilizing Bacula, and ZFS on direct fibre storage on Solaris 10, with individual zones providing secure client interfaces to archival data), Nagios based internal and external service monitoring and notification, CFengine based configuration management tools, and a CommuniGate Pro groupware-enabled Email/messaging system.

Additionally, provided customized IT system engineering and consulting services for numerous local and international clients. Projects and tasks included:

For IntelliCAD & The Open Design Alliance : Implemented VMware ESX and Server based environments for numerous build/test systems; configured and customized Bugzilla and other web-based portal/wiki tools; managed an LDAP based infrastructure with extensive customized authorization roles; implemented migration from CVS to subversion for a large code repository.

For Colligent : managed a dozen or so dedicated / virtual (Amazon EC2 and Softlayer CloudLayer) environments for crawling and parsing processes, building large data warehouses of social networking data. Configured and supported multi-terabyte Postgres and MySQL databases in sharded configurations.

For Holland America : Managed and upgraded several dozen remote Solaris 8/9 systems supporting Oracle 8/9i, including OS and application patches and upgrades; new hardware refreshes, utilizing Jumpstart for quick deployments; configuration management processes utilizing CFengine; service monitoring utilizing Nagios; and documentation of management, troubleshooting and deployment procedures. Hired a full time consultant to work onsite with Holland for a six month period, who was subsequently hired as a full-time employee.

Cordier Consulting, Seattle WA

1998 - 2004

- *IS Squared, Inc (1998 – 2004)*. Provide expertise in the realms of systems architecture, and operational / security infrastructure for clients of this professional services firm. Client projects included:
 - Managed a Solaris upgrade project of several dozen mid-range systems, supervising three system administrators. Tasks included upgrades of Sun Directory Server, Netegrity SiteMinder, Silverstream, Apache, Tomcat, Oracle 9i, OS upgrades, IP multi-pathing, etc
 - Designed a multi-tier hosting environment of Solaris 9 systems (E220, Ultra5, Netra T1) supporting Oracle 8i/9i, Oracle iFS, Oracle LDAP, ArcGIS, Apache/Tomcat and Orion application server. Implemented an IPSEC based VPN using FreeSWAN.
 - Project management and implementation of an LDAP-based UNIX authentication system (OpenLDAP), for Solaris 8, Linux and RADIUS servers.
 - Systems architect developing and administering all aspects of operational reliability and scalability necessary for an early social networking service, supporting over 30,000 users. Managed a team of five administrators supporting several dozen Solaris servers (E220/250/450, Ultra5, Netra T1, D1000), with Cisco networking gear. Developed an extensive suite of custom tools for installation and maintenance of OS and application software (Apache/Tomcat/Jserv, LDAP, IRC, INN, Gemstone DB).
- *BEA (2004)*. Administration of several dozen RedHat, W2K, and Solaris systems. Kickstart, Jumpstart, DNS, DHCP, security reviews / audits (CIS toolkit, chkrootkit), cfengine configs.
- *Neptune.com (2003 - 2004)* – Managed two dozen Linux servers supporting a 7x24 online video/photo sharing service. Linux Virtual Server, RedHat, MySQL, Apache, ColdFusion.
- *Solucient, Inc (2002)* – Implemented a migration from two older EMC Symmetrix arrays to a newer single cabinet array (SCSI based Compaq/HP Alpha/tru64 systems). Configured EMC PowerPath, Solutions Enabler, BCV groups. Solaris upgrades (2.6/7 to 8).
- *XSides, Inc (2001)* – Designed staging environment of RedHat Linux and Solaris 8 systems, with an F5 BigIP firewall. Implemented Bugzilla / OpenLDAP. Extensive Perl/CGI and MySQL.
- *Solucient, Inc (2001)* – Supported over a dozen Compaq/Digital Tru64 4.x/5.x and Solaris 8 servers supporting Oracle and Redbrick databases, with EMC arrays.

MindSource Software Engineers, Inc., Mt. View, CA

1995 – 1997

Managing Partner. Executive manager of technical staffing firm specializing in the placement of UNIX System / Network Administrators. Defined and implemented all policies and procedures for attraction and retention of top technical UNIX talent. Interviewed and hired hundreds of UNIX systems administrators, and placed throughout dozens of Silicon Valley companies. Implemented 401(k) program. Responsible for an annual budget of over \$1M.

Taos Mountain Software, Palo Alto, CA

1990 - 1995

Senior UNIX Consultant. Provided UNIX expertise to various Silicon Valley companies:

- *Sun Microsystems*. Designed, implemented and maintained a large test harness for a native-code C++ compiler and related utilities. Extensive Perl, shell scripting, build management.

- *Kubota Pacific Computers*. Developed changes to UNIX systems libraries and utilities for use with a new long-filename file system. Developed a custom networked test-harness system.
- *Pyramid Computers*. Administered a LAN of 'dual-universe' System-V/BSD MIServer systems, supporting over 500 users. Extensive scripting and tools development.
- *Arix*. Quality review of Arix SVR3 UNIX. Designed and implemented a complete test plan for system utilities, developed a system-testing tool, and performed system administration duties.

The Santa Cruz Operation, Inc., Santa Cruz CA

1987 – 1990

Software Quality Assurance Engineer. Project lead for SCO UNIX and XENIX operating systems. Responsible for technical assurance of all aspects of operating system software.

EDUCATION

CISSP #54511 – Certified Information Systems Security Professional.

Certified Solaris 9 Network / Systems Administrator.

BA Computer and Information Sciences - UC Santa Cruz, 1990.

Numerous professional training courses from SANS, Usenix, VMware, etc.