

Scott Campbell
Unix/Security Engineer
510-652-1470

Skills Overview: 8 years TCP/IP Networking, Unix Administration and Network Security.

Software

Security Tools: SunScreen Firewall; Snort IDS; SecureID Server; TIS Toolkit; Tripwire; IPFilter; TACACS+; TCP Wrappers; OpenSSL; ModSSL; OpenSSH

Operating Systems: Solaris 8.0; HPUX 10.2, 11.0; Red Hat ; FreeBSD; Cisco IOS

Language: C; Java; Shell scripting; awk, sed

Protocol: TCP/IP, UDP, IPSec, SKIP, SSL, SMB, NIS, LDAP, DNS

Miscellaneous: Sun Cluster 2.2; Oracle Parallel Server; Veritas Volume Manager/File System; DNS; ATG Dynamo; Disk Suite; iPlanet Directory Server (LDAP); Jumpstart; Apache

Hardware

Sun: Ultra Enterprise 4500/5500; Netra T1, X1 servers; Ultra Workstations; Fibre Channel Storage Area Networks; Crypto accelerator card

Cisco: 2500-7500 model routers; Cat 29XX, 3508, 3548 and 5000 ethernet switches;(Altiga) VPN Concentrator; (Arrowpoint) Content Switch, Local Director

Other: HP9000 series, including T520 and K420, EMC 3500, Fore ASX-1000 and ES-3810 ATM and ATM to ethernet switches

Employment

Assentive Solutions, San Francisco
Senior Unix Security Engineer
Employed July 1999-Present

Assentive Solutions is an ASP providing solutions for secure data sharing and management for manufacturing and supply chain clients. Duties include overall systems/network design, prototype, security and implementation. Development of systems and security applications as needed. Analysis of complex problems and team mentoring.

- Analysis, design, and implementation of companies network of routers, firewalls and intrusion detection systems. This includes analysis for all above data.
- Design and develop hardware based security device for deployment on client LANs. Device includes remote operating system, process and network traffic analysis and monitoring.
- Develop applications including:
 - Application proxy using cryptographic authentication (Java).
 - Snort IDS plugin for DNS protocol checking and state management (C).
 - Firewall log converter to change proprietary format to standard pcap (C).
 - Prototype encryption/decryption file streamer (C).
- Tools for firewall log analysis and representation.
- Detailed analysis and troubleshooting for most problems involving networking and complex systems interaction.
- General research and development for networking, security and systems.
- Designer and principle developer of highly available production environment integrating web servers, load balancers, application servers, database servers, firewalls and network services.

Digital Courier, San Francisco
Senior Systems Administrator
Employed March 1998 - July 1999

Digital courier provided weather data and credit card transaction processing for such companies as Netscape and Excite. Duties included lead systems and network design engineer. Manage systems administrators. Develop solutions for changing business models using limited resources.

- Specification, design, and building fault tolerant application, web and database servers for services to clients such as Netscape and Excite.
- Direct supervision of four Systems Administrators.
- Designed and rebuilt the network and security infrastructure for the data center and connected facilities. This included firewalls, intrusion detection systems and an all-over hardening of all production/development hosts and routers.
- Handle all major systems and performance tuning, configuration, monitoring, upgrading and hardware diagnostics.

Whittman-Hart Consulting, San Francisco
Network Administrator
Employed July 1997 - March 1998

- Design, implement and run new and existing computer systems. Organize and consolidate servers into a centralized location.
- Build and maintain a web based tool for resume searching and marking
- Redesign IP networking, mail services, and infrastructure placement.

San Francisco State University
Computing Services
Network Analyst
Employed February 1994 - June 1997

Provide basic networking and systems administration for campus facilities.

- The maintenance, configuration and refurbishment of campus wide administrative network. Duties include account and resource management, routing, backup and restoration of files, and system maintenance and repair.
- Help redesign and rebuild whole building infrastructure for Campus Library, moving from 10Base2 to switched 100BaseFX/100BaseT.
- Install, configure and troubleshoot cisco routers and other networking equipment in campus infrastructure of approximately 25 routers.

Education

San Francisco State University
Bachelors Degree Physics

Classes in:

Unix System Programming in C - City College San Francisco, Spring 1999
Unix Systems Administration - City College San Francisco, Spring 1997
Advanced Cisco Router Configuration - American Research Group, April 1997
Introduction to Oracle - Oracle Training, June 1996

References available upon request.