

Stephen P. Huff, RHCE

shuff@vecna.org

(617) 905-5881

52 Elm St.
Somerville, MA 02143

Experience

Akibia Network & Security Solutions, Consultant, fall 1999 to present day.

Supported a wide variety of computer systems on heterogenous networks, in environments ranging from Internet startups to academic research facilities. Responsibilities included all common (and some uncommon) system administration tasks: hardware and software installation, OS upgrades, task automation, backup/restore, system monitoring, and user support. Specific accomplishments include the following:

- Supported a multi-platform, multiple OS network simulation testbed as it grew and developed over a period of years. Automated systems installation, configured network and host monitoring, implemented smart routing protocols, resolved name resolution and mail routing problems for a system that simulates a significant portion of the public Internet.
- Facilitated several group-wide OS transitions for a research and development group: MacOS 9 -> MacOS X, Solaris 2.6 -> Solaris 8 -> Red Hat Enterprise Linux 3, Windows NT -> Windows 2000 w/Active Directory -> Windows XP. Configured user environments to maintain consistent interface.
- Supported a seventy-member research and development group through a move from one building to another. Calculated infrastructure requirements for new machine room, orchestrated migration of network connections, tested core services (mail, file service, printing) to minimize disruption of users' work, assisted users with any move-related difficulties.
- Provided Mac OS X, Mac OS 9, and Windows 2000 support for a week-long academic conference. As the only technical support resource present at the conference center, I enabled thirty researchers from different institutions to successfully exchange data and collaborate using a variety of software packages, while at the same time providing central file storage, printing, email, and Web access using servers built offsite.
- Completely upgraded a critical departmental email server. Determined that the old mail server was inadequate, obtained competitive quotes from hardware vendors, presented proposal to management, installed new server, built and configured email software, tested hardware and software, provided smooth migration plan for existing and new users, and brought new server online with a minimum of downtime.

Skills

Operating Systems:

- Mac OS X (DP3 through 10.4) and Mac OS X Server
- Mac OS (7, 8, 9)
- Linux (Red Hat Enterprise, Fedora, SuSe, Debian) on x86 and SPARC
- Solaris (2.5.1–9) on SPARC and x86
- Network Appliance Data ONTAP (5.x, 6.x) on Alpha and x86
- Windows XP (Home, Professional)
- Windows 2000 (Professional, Server)
- Windows (95, 98, ME)
- Others (HP-UX 10, OpenBSD, NetBSD)

Software:

- Web service (apache 1 and 2, mod_perl, mod_php)
- Mail service (sendmail, qmail, postfix, courier-imap, UW imap)
- File service (nfs, Samba, afs)
- Name/directory service (BIND, NIS, LDAP)
- Source management (cvs, Subversion)
- Backup (Retrospect, Veritas, Legato, Budtool, AMANDA)
- Network Monitoring (Big Brother, NetSAINT)

Programming:

- HTML
- Bourne shell scripting, sed, awk, expect

Hardware:

- Macintosh systems (from SE to G5)
- Intel systems (486 and later)
- Sun SPARC (SPARCStation to E450)

Professional Certifications

Red Hat Certified Engineer, certificate 804005266217016
Linux Profession Institute Level 1, certificate 000042181

Education

- Harvard University — AB Philosophy, 1999
- National Merit Scholar