

STEPHEN GRAN

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SKILL SETS

- Primary programming languages include C, Shell, Perl, Make, Python, Ruby, PHP and SQL
- Fluent in all the major network service protocols, including but not limited to TCP/IP, DNS, POP3, IMAP, FTP, HTTP, and SMTP as well as several software implementations of each.
- Comfortable with routing protocols including but not limited to BGP, OSPF, and RIP
- Comfortable with load balancing and virtualization technologies
- Primary background in Linux systems (Debian/Ubuntu/RedHat) with experience in HPUX, IAX, Solaris, Cisco, Juniper, and Enterasys

EXPERIENCE

Senior System Administrator, Linux Force, 2003 to the present

Responsibilities include

- Day-to-day administration of 60-100 heterogeneous machines. This includes backups, monitoring, and both routine and OS upgrades.
- Specific services, including risk assessment, intrusion detection, reconfiguration and/or migration of existing services in response to evolving threat models, VPNs
- Working directly with clients to design and deploy new networks and servers
- Hardware decisions and procurement
- Management and lead developer for in-house software including automation of routine tasks, log analysis, anti-spam, backups, and monitoring.

System Administrator, Debconf.org, 2007 to the present

Conference responsibilities include

- Creation of high-throughput, high-reliability network for use by upwards of 400 software developers
- Total network creation begun and completed within a 48-hour window often in locations where previously no network capabilities existed
- Including planning, implementation, testing, maintenance.
- Network services, including streaming video of talks at the conferences, GeoDNS deployment to enable connections to closest mirror; local software

mirror with a dynamic DNS overlay to redirect requests, bandwidth shaping, acceptable-use policy monitoring and enforcement, and standard network services (HTTP, FTP, SIP, DNS, etc.)

Year-round responsibilities include

- Development of Ruby on Rails application for conference management
- Coordinate procurement, delivery and return of servers and other networking equipment required for conferences around the world
- Maintain infrastructure required for coordination and communication among the world-wide network that comprises the conference team
- Year-round responsibility for 12 servers, including performing backups, both routine and OS upgrades, monitoring
- Security services, including risk assessment, intrusion detection, reconfiguration and/or migration of existing services in response to evolving threat models, VPNs

Developer, Debian, 2003 to the present

- Part of a world wide group of software developers committed to creating the best free operating system possible
- Duties include software development in a variety of languages, bug finding and fixing, user interaction, and coordinating software transitions and migrations for API/ABI changes
- Software maintained includes freeradius, hdparm, clamav, and work with the perl team, responsible for 700+ perl modules
- Coordinator for volatile.debian.org, a parallel software repository aimed at fast-moving software targeting rapidly evolving threat models such as anti-virus, anti-spam and IDS software
- System administration for alioth.debian.org, a sourceforge like repository and development platform for 7700 users and 800 projects. This involves continuous, ongoing assessment and reassessment of security issues, upgrades, and service enhancements

EDUCATION

B.A., History, Temple University, Philadelphia, PA, 2000

- Concentration on Comparative/Third World history
- Minor in Anthropology
- Summa Cum Laude, Phi Beta Kappa, Phi Alpha Theta (History Honors Society)