

VITTORIO TRACY

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SUMMARY OF QUALIFICATIONS

Skilled Professional with more than 10 years of maintaining multiple servers in a high availability environment. Expertise in network analysis, design, implementation and monitoring. Proven ability to design, install, configure and maintained complex distributed systems. Proficient at building tools and integrations using Python and Perl with RESTful APIs, XML, JSON and SQL databases.

TECHNICAL EXPERTISE

Operating Systems: Debian/Ubuntu Linux, Red Hat Enterprise Linux, CentOS, SUSE Linux Enterprise Server, Windows, Open BSD, Solaris, Cisco IOS, OSX

Email Server Software: Postfix, Sendmail, Exim, Courier, Cyrus, Ipswitch Imail, CommuniGatePro

Web Servers: Apache, Nginx, Lighttpd, IIS

Databases: MySQL, DB2, Oracle, SQLite, Microsoft SQL Server

Monitoring Software: Nagios, Cacti, MRTG, RRD

Desktop: Visio, Photoshop, Gimp, Inkscape, Office

Virtulization: Vmware Fusion/ESXi/vSphere, VirtualBox, KVM, oVirt

File Transfer: SCP, Rsync, Remote Backup, Wget, Curl, NFS, CIFS

Network Software: BIND, ISC DHCPD, Atftpd, ProFtpd, Syslog-ng, NIS, Asterisk, Linux Virtual Server (LVS) load balancing, Iptables/Netfilter, RADIUS, Keepalived, Ejabberd, Openldap, Pacemaker, Cobbler, Hashicorp Vault, Hashicorp Consul, Device42

Configuration Management: Ansible

Programming Languages: Perl, Python, Javascript, SQL, Bash

Hardware: x86 Servers, Software/Hardware RAID, Netapp Filer, Polycom SIP phones, Portmaster 3e, Baytech RPC, APC RPC, Cisco 7206VXR routers, Cisco 1700/2600/3500 routers, Cisco 3500/Nexus series switches, Flowpoint/Zoom/Netopia DSL CPEs, IBM, Dell, Supermicro, Amax, HP servers, HP c7000 Bladeserver chassis and BL460c G9 and G7 blades

PROFESSIONAL EXPERIENCE

Vindicia Inc., San Mateo, CA (March 2016 – July 2018)

Title: System Administrator

- Worked in Corporate IT group administering office, and development servers, as well as provided assistance to Operations and Development groups.
- Setup test and production VMware vSphere clusters managed by vCenter Server Appliance instances. Configured distributed virtual switch and migrated hosts. Configured accelerated iSCSI and link aggregation utilizing HP Virtual Connect modules connected over 10G fiber to Cisco Nexus switches.
- Added capacity to existing KVM virtualization environment by building and configuring new KVM hypervisor hosts.
- Built and managed corporate DNS hosted with Bind in a dual Master/Slave and Slave configuration.
- Setup Hashicorp Vault server with Hashicorp Consul backend. Vault was setup for HA with Pacemaker IP failover and Consul was setup in a HA configuration. Vault was required for on site premise storage for Code42 cloud backup solution which I helped integrate and test.
- Setup and Upgraded firmware of HP c7000 bladeserver chassis and blades.
- Managed QNAP and Stor trends NAS servers.
- Installed, configured and managed Device42 DCIM software. Inventoried office datacenter server hardware, IPs, network port mapping, and software. Setup periodic subnet usage scans, network switch scans, and DNS zone integration.
- Built and configured new Openldap servers to replace aging equipment.
- Implemented a SSL certificate authority and server certificate signing procedure.
- Setup PXE Boot/Kickstart build server with local repository mirrors using Cobbler.
- Planned and took lead for office datacenter inventory and move.
- Administered local Atlassian JIRA, Fisheye/Crucible and Confluence servers.
- Setup Atlassian Bitbucket for developer evaluation.

SRCLAB, Redwood City California (July 2015 – March 2016)

Title: Consultant

- Worked as independent consultant for past and new relationships. Recent projects include:
 - Migrating production Load Balancers (Linux Virtual Server running on Debian Linux) to VMware vSphere platform.
 - Configuring Cyrus/Postfix/Roundcube virtual host mail server with AV and Spam filtering.
 - Configured federated Ejabberd XMPP IM service.

Ardendo/Vizrt, Kista Sweden (March 2010 – June 2015)

Title: Software Engineer

- Worked primarily in the Professional Services group installing, configuring and customizing the media asset management (MAM) product.
- Agile development of customer requested features. Customization code written in Perl and Javascript and interfacing with REST APIs. Core code and utility modification and bug-fixes. Installation, troubleshooting and adjustment of DB2 and Oracle databases.
- Investigation of High Availability and Clustering solution with Pacemaker. Implemented DB2 HADR database and application daemon monitoring and fail-over management with

- Pacemaker.
- Setup virtualized staging systems with KVM and VirtualBox.

Fastmetrics LLC, San Francisco, CA (June 2002 – March 2010)

Title: System Administrator

- Uphold the full uninterrupted operation of both the Linux (Mostly Debian Linux, some Ubuntu and CentOS) and Windows servers, maintaining the core network and customer networks as well as develop and implement new services.
- Configuring and maintaining Cisco routers, switches and Pix firewalls.
- Administrating mail servers including spam/virus filtering.
- Manage DNS registration and hosting, instant messaging, web hosting, T1/T3/DSL/Ethernet Internet/point to point connectivity, server collocation, VOIP and backup services.
- Achievements include transitioning existing single server web hosting solution to a clustered solution.
- Setup redundant load directors for HTTP, FTP, SIP, SMTP, IMAP load balancing based on open source LVS (Linux Virtual Server).
- Integrated monitoring and reporting systems using MRTG, RRD tool and Nagios to provide comprehensive service performance view and increasing outage awareness and response.
- Designing as well as building of an automated account provisioning systems in Perl and tying these systems into the billing systems.
- Creating reporting tools for calculating customer bandwidth usage and integrating this into the billing system, thereby increasing revenue.
- Other accomplishments include creating web interfaces that interact with back end systems, such as a multi-user power controller interface, and a line number portability interface to gather data via web scraping from VOIP vendor. Also developing various tools to help automate common administration tasks with production services.

ISP Networks, San Francisco, CA (June 2000 – June 2002)

Title: Technical Support Engineer

- Customer support including remote access support, client configuration support,
- Apache/IIS/Sendmail/Imail account provisioning. Account troubleshooting.
- DSL router configuration.
- Maintenance/Administration script creation in BASH and Perl.

EDUCATION

Some university studies among others the following computer classes:
Programming Quick Basic, Chabot College, Hayward California
Programming C, Las Positas College, Livermore California
Programming C++ I and II, Foothill College, Los Altos Hills California
Programming Python, Foothill College, Los Altos Hills California
Programming Java, University of Hawaii at Manoa, Honolulu Hawaii

References available upon request.