



Mohammad
Contact: Cathy Kopa
UNIVERSAL Technologies
518-542-6312
Ckopa@univstech.com

Professional Summary:

- Experience with **Solaris 9,10 and 11, AIX, Linux**, High availability Veritas Cluster and Veritas Volume Manager, VMware.
- Expert level knowledge on troubleshooting major issues on Linux - RHEL 4, 5, 6 and SUSE Linux.
- Working experience with SAN storage EMC, HITACHI, HP.
- Working on High-end and Mid-range **Solaris servers**.
- Working on storage migration changes of **Solaris and Linux Servers**.
- Upgrading Firmware of Solaris Server and Patching accordingly.
- Strong experience on **Linux** patch management using RUG, YUM and satellite method of Patching.
- Actively involved in all the Veritas Volume Manager and Veritas Cluster activities.
- Strong working knowledge and excellent troubleshooting skills on LVM, NFS, File system concepts.
- Expert level knowledge on troubleshooting booting related issues on **Linux/UNIX Operating system**.
- Experience in Network configuration and troubleshooting.
- Good exposure on working with vendors for hardware and software issues.
- Worked on **Solaris packaging and patching**.
- Good experience with Solaris Volume Manager and File System (SVM/UFS)
- Responsible for **Solaris Upgrades** using Live upgrade.
- Worked on Veritas upgrades and Veritas NetBackup
- Worked with Data Center Activities including Inventory management and documentation.
- Very good understanding on IPMP network topology and network basis.
- Experience with Oracle Exadata Linux systems.
- Worked with Server build team and performed tests before releasing the server into production.
- Hands on Experience with **Solaris Virtualization**.
- Configured and maintained zones and ZFS file systems in **Solaris 10**.
- Configured and maintained LDOMs Solaris virtualization
- Configured and maintained Domains in Solaris High-End Servers.
- Coordinated and worked with application developers to fix application and OS related issues.
- Hands on experience of Installation, Configuration and troubleshooting of **Red Hat Enterprise Linux 5/6**.
- Hands on experience on Shell Scripting.
- Worked on scripts at the time of patching for find the free space, and memory utilization.

Hardware	Sun Fire High-end enterprise servers (M5000/M9000), EMC, SAN,
Operating Systems	Solaris 8,9,10,11, Linux (5.2/6.2), AIX , HP, Win NT 4.0, Windows 1998/ 2000/XP
Networking	TCP/IP, NetBEUI Protocols
3rd Party Technologies	Veritas Volume Manager 4.0/5.0/6.0, Veritas Cluster Server 4.0/5.0/6.0
Other Tools and Skills	Oracle RAC, Oracle ASM, ITIL, UNIX, Shell Scripting, ESXI Hypervisor, Red Hat, Sun, EXT3, EXT4, LVM, LDAP, LDAR, Solaris Volume Manager (SVM), LDOM, NFS, NetBackup, DiskSuite, E25k Server, ZFS

Education/Certifications/Training:

- Bachelor of BE Productions from Osmania University, Hyderabad, India
- **Sun Certified System Administrator**
- **Certification training on Linux administration as RHCE (Red Hat Certified Engineer)**

Professional Experience:

Client: NYC Housing Authority (NYCHA) through UNIVERSAL Technologies, New York, NY Jan 2016 – Present Title: Solaris / Linux /NetBackup/ Veritas Volume Manager and Veritas Cluster Specialist
--

Responsibilities:

- Responsible for all HW/SW maintenance, repair, and upgrades for New York City Housing Authority.
- Responsible for Datacenter and Disaster recovery.
- Designed and Implemented Backup Strategy Plan and configured Backup Server using NetBackup, Database Online Backup Using both storage and Tape Library.
- Upgraded, maintained and performed troubleshooting for Solaris and Linux software and hardware.
- Engineered procedures to remotely install Sun operating system and Linux application software on machines for disaster recovery.
- Provided Production support and tended to the breakdown of business-critical servers.
- Performed New Server Builds and Upgrading servers across UNIX Flavours.
- Performed hardware replacement as per ITIL Standard and communicated such to the business.
- Configured and Maintained Business Critical High availability Servers.
- Performed server Maintenance including failover and failback of respectively.
- Coordinated With vendors for Hardware procurements and replacements.
- Raised and followed up on vendor tickets until resolution.
- Conducted Troubleshooting and cabling for network and console cables.
- Collaborated with LVM to solve customer problems with disk management.
- Manually tuned and regenerated kernel parameter and created projects for resource optimization.
- Racked Dell Servers and installed of ESXI Hypervisor.
- Performed Troubleshooting for all the booting related issues on Linux servers during maintenance activity.
- Provided Network troubleshooting while patching and during execution of maintenance Work orders.
- Upgraded Firmware on Solaris servers.
- Responsible for SAN configuration which involved scanning LUN's, configuring disks and creating LVM's and file systems.
- Configured disks under Linux native MULTIPATHING for the creation of file systems.
- Configured, administered and performed troubleshooting for LVM and volume groups.
- Administered and performed troubleshooting for EXT3, EXT4, Veritas file systems.
- Configured disks under Oracle ASM for the use of Oracle RAC.
- Monitoring system performance of virtual memory, Managing swap space and CPU utilization.
- Worked on BCP/DR activities as part of maintenance from OS perspective.
- Installed and upgraded Packages and Patches according to the requirement.
- Configured and troubleshot SSH providing user level and system level trusting.
- Hardened Servers as per Information security team guidelines.
- Closed system vulnerabilities by putting controls in place.
- LDAP directory server administration.

Client: Wells Fargo, Minneapolis, MN Title: Senior Solaris / Linux / AIX Administrator - Veritas Volume Manager and Veritas Cluster Specialist	Sep 2010 – Jan 2016
--	----------------------------

Responsibilities:

- Responsible for production support of Distributed Data centers with less downtime for Solaris servers, Solaris servers network troubleshooting, Server Virtualization, creating zones and LDOMs, and working on ZFS and veritas filesystem.
- Installed the Solaris operating system.
- Completed firmware upgrade of Solaris servers.
- Configured tunable system resources and parameters.
- Handled escalated incidents, proactive problem management and implemented QA in production support.
- Responsible for Emergency CRs and RCAs for chronic issues and provided permanent fixes.
- Reduced the count of chronic alerts in production support and automating day to day tasks.
- Installed and performed troubleshooting for OS related issues and coordinating with hardware vendors.
- Responsible for AIX Virtualization and LPAR.
- Added mission critical applications, databases to High Availability cluster environment.
- Applied patches for UNIX servers (SUN, HP-UX, Linux, AIX) to the latest baseline.
- Performed File system (FS) management, Volume group (VG) management, and Logical volume (LV) management.
- Set-up NFS servers/clients.
- Installed Applications and Patches.
- Conducted Paging and Swap space management.
- Maintained Veritas Volume manager objects sub disks, plexes and volumes.
- Provisioned and decommissioned servers.
- Implemented Raid Levels (SDS and Veritas).
- Network management of TCP/IP networks, IP address Network interface management.
- Linux captain from Wells Fargo India and responsible to create/update Linux playbooks and to provide solutions for the team members for issues occurred while performing maintenance activities.
- Acted as the Shift lead to ensure smooth progress and completion of all the activities without any issues.
- Provided RCA for major productions outages.
- Participated in international weekly calls to work on issues/updates and to convey the same to the team.
- Coordinated with application and DB teams to get the downtime and validation of servers after performing the activities.
- Troubleshoot all the booting related issues on Linux servers during maintenance activity.
- Performed Network troubleshooting while patching and during execution of maintenance WO's.
- Upgraded Firmware's on Solaris servers.
- Completed SAN configuration which involved scanning LUN's, configuring disks and creating LVM's and file systems.
- Configured disks under Linux native MULTIPATHING for the creation of file systems.
- Configured, administered and performed troubleshooting for LVM and volume groups.
- Administered and performed troubleshooting for EXT3, EXT4, VERITAS file systems.
- Configured disks under Oracle ASM for the use of oracle RAC.
- Monitored system performance of virtual memory, Managing swap space and CPU utilization.
- Worked on BCP/DR activities as part of maintenance from OS perspective.
- Installed and upgraded Packages and Patches according to the requirement.
- Configured and performed troubleshooting for SSH providing user level and system level trusting.
- Changed file permissions as per the client request.
- Handled hardware related issues including fault detection and disk replacement.
- Responsible for VMware creating servers and installation of Linux.
- Worked on scripts for Automation.
- Used NetBackup for Backup and Restoration of Data.
- Worked on LDAP for User authentication.
- Worked on Solaris DiskSuite or Solaris Volume Manager.

Client: IBM, Hyderabad, India

Mar 2005 – Jan 2010

Title: Lead Operations Specialist - Solaris, Linux and AIX Veritas Volume Manager and Veritas Cluster Server

Responsibilities:

- Provided 24/7 Technical Support to Production, Development, Functional testing and Staging High-end Solaris servers with total compliance to organization's SLA standards.

- Tailored the environment to meet user needs and Served as a member of the development team to validate technology decisions.
- Responsible for Server Virtualization.
- Maintained R&D lab for application development consisting of Solaris, AIX and Linux servers.
- Detected the changes to be performed and accordingly performing change in accordance with ITIL process.
- Raised Infrastructure changes and performing the change in accordance with ITIL process.
- Performed changes related to disks, system boards, I/O boards, HBA, Ethernet, power supply units.
- Completed Data center virtualization for UNIX environment by creating zones, Lpars and accordingly managing them.
- Monitored and maintained High end UNIX servers system controller for getting console access to domains.
- Installed broad range of software on UNIX servers as per developers' request.
- Coordinated with vendors in issues involving Os, backup, cluster and volume manager.
- Coordinated the execution of the test plan with the project team for all test phases (unit, application, integration, client acceptance) and obtaining client acceptance approval from the project stakeholders.
- Participated and planned the application deployment in production servers.
- Performed File systems management using LVM, SVM and Veritas volume manager.
- Monitored production applications during critical monthly processing and insured monthly processing completed during the processing window.
- Performed system controller fail back and failover.
- Worked on netback for performing backup and restores.
- Upgraded system controllers for E25k servers.
- Performed changes on virtual environments such as zones and LPARs.
- Worked on shell scripts for Automation for day to day tasks.
- Worked on server virtualization like zones, LDOMs.
- Used NetBackup for backup and restoration of data.
- Worked on Solaris DiskSuite or Solaris volume manager.
- Worked on Shell scripting for day to day tasks.

Client: Mphasis (HP Company), Chennai, India

May 2000 – Feb 2005

Title: Infrastructure Lead Specialist Solaris, Linux and Linux

Responsibilities:

- Performed problem and change management tasks in accordance with ITIL process.
- Ensured SLAs are met as per organizations standards.
- Performed Capacity planning of application and database servers.
- Built Linux, Solaris and AIX servers and accordingly Virtualized by creating virtual zone and LPARs.
- Maintained high availability, business critical environments HACMP and Veritas Cluster.
- Prepared Standard Operating Procedures (SOPs) that encompass the day-to-day support.
- Coordinated vendor maintenance of servers and equipment.
- Provided administrator support for the SAN and its supporting equipment.
- Enforced SOPs, protocols, and policies in coordination with departmental network IT personnel.
- Performed Storage migration both host-based and storage based for Solaris and AIX.
- Provided hardware and software support to all production, development and test systems installed in different locations for customers.
- Worked with Sun LDAP.
- Implemented RAID 0 and 1 in Solstice and Veritas Volume Manager as per requirement.
- Added Swap Space for Solaris and Linux to improve system performance.
- Performed System and Kernel Log Management using syslog for trouble shooting issues.
- Conducted Performance Tuning with Kernel parameters
- Created users and administered user rights on UNIX servers.
- Created and maintained file systems on servers for Applications and databases.
- Performed file system migrations.
- Responsible for Solaris DiskSuite or Solaris volume manager.
- Added additional storage as required