

**SAI ADUSUMILLI**

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## SUMMARY

* **Over 7+ years** of professional experience as a **System Administrator** with experience in operating systems that include **Solaris, Redhat, SUSE, AIX** and **HP-UX**.
* Extensive experience in **Installation, Configuration, Maintenance, Design, Administration, Implementation, and Support** on Solaris, Linux, AIX and HP-UX Environment.
* Extensive experience in **Kickstart/Jumpstart of UNIX and LINUX Servers.**
* Experience in installation, configuring, troubleshooting **NetApp Storage filers, ONTAP**.
* Extensive Knowledge on **Aggregates/ Volumes/ Qtrees/ Quotas/ Snapshots**.
* Experience in implementing and managing virtualization using **VMware ESX 3.5 / vSphere 4.0.**
* Experience in the implementation of **High Availability using Veritas Cluster Server 4.1 and 5.1**
* Experience in implementing and configuring of high availability and redundancy and **RAID** using **Logical Volume Manager,Sun Volume Manager,Veritas Volume Manager 3.x, 4.x, 5.**
* Experience working with **DNS/DHCP/LDAP/NFS/NIS/NIS+ services.**
* Installation, configuration and management of **SAMP (Solaris/Apache/MySql/PHP)** and **LAMP (LINUX/Apache/MySql/PHP )** stacks.
* Installation and configuration of Solaris Zones and ability to work with **ZFS/SMF/POOLS.**
* Experience in the configuration of the of the mail servers like **Sendmail 8.13, 8.14.x and Postfix 1.x, 2.x**
* Proficient in configuring the Data Communication Devices such as Routers, Switches, Hubs, Terminal servers and Troubleshooting LAN and First Level WAN Related Problems.
* Experience with high-end enterprise servers**Sun cool thread** T2000, T6320**,Sun Enterprise**M3000, M5000,Sun Midrange 4500, 6500, V480, V490, V890,E220, E4900, Sun Entry Level x4100, x4200, x4250, x4440, V440 **Dell Poweredge** Servers 1750, 1850, HP DL 360, 380, 385, 580, 585, c3000, BL600c.
* Implementation of backup solutions using **VeritasNetBackup 4.5, 5 and 6.5 and HP Data Protector.**
* Experience in Shell scripting using **sh**, **ksh**, **bash** and **PERL**
* Experience in **Performance Monitoring** of CPU, Memory, Disks, Network.
* Extensive experience with Troubleshooting of issues with **applications, network, user hardware, naming services etc.**
* Experience in storage technologies like Net Backup, Hitachi, EMC storage, NetApp, SAN.
* Very good troubleshooting experience with Cisco Networking devices like **Routers/Switches.**
* **Software package deployment, disaster recovery/contingency of business management.**
* Expertise in implementation and designing of **disaster backup and recovery** plan.
* Very good experience with documenting software usage procedures, network diagrams and project documentation.

## CERTIFICATIONS

* Sun Certified Systems Administrator 10

**EDUCATION**

* Bachelor of Engineering in Computer Science

## SKILLS SUMMARY

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| **Operating Systems** | SOLARIS 2.x/7/8/9,10, RHEL 4.x, 5.x HPUX 10.20, 11.00, Windows 2000/2003 Server Family & Professional, Windows95/98/ME/XP/Vista/Windows7 |
| **Hardware** | Sun cool thread T2000, T6320,Sun EnterpriseM3000, M5000,Sun Midrange 4500, 6500, V480, V490, V880, V890,E220,E4900, Sun Entry Level x4100, x4200, x4250, x4440, V440,420R, Netra T1DELL Poweredge 1350, 1750, 1850, 2850, 6450 , HP Proliant DL 360G2, DL 360G5 and DL 580, 585G2,Backup Devices, Ethernet Hubs, Routers, LAN Testers, Cable Modems, Terminal Servers and Print Servers, DLT/DDS drives, Sun StorEdge 3510, 7110, A1000, A5200, D1000, EMC Symmetrix 8830, DMX 3, 4 arrays. |
| **Volume and Server Management** | SOLARIS VOLUME MANAGER, LOGICAL VOLUME MANAGER, VERITAS VOLUME MANAGER, ZFS and VERITAS Cluster Server Management. |
| **Storage and Backup** | NetApp, Hitachi Data Systems, VERITAS Net Backup and HP Data Protector. |
| **Languages and Scripting** | C, C++, Perl, Shell |
| **Data Base Servers** | Oracle 8i, 9i, 10g on Solaris and Red Hat Linux and Win NT/2000. |
| **Networking Protocols** | TCP/IP,UDP, SMTP, SNMP, ICMP, FTP, TELNET, SFTP, LAN, WAN,ARP/RARP, FTP/TFTP. |
| **Tools** | HP-Open View Service Center, Remedy, BMC patrol, Tivoli |
| **Internet & WWW** | Apache Web Server 2.x, Sendmail, Postfix. |
| **Naming Services** | DNS, DHCP, NFS, Automounter, NIS and NIS+ |

**PROJECT SUMMARY**

**BCBS – Detroit, MI Dec 2013 – Present.**

**UNIX / Linux / System Administrator**

* Installing Configuration and maintenance of **Solaris 8/9/10, Redhat Linux 4/5, SUSE 10.3, 11.1, HP-UX 11.x and IBM AIX** operating systems.
* Worked on configurations and installations Solaris and Linux servers using Custom Jumpstart, and Kick start.
* Configured System imager for Linux Servers and used it for Cloning, software distribution and OS updates and performed installations using pxeboot, on hundreds of Linux Servers
* Good working experience with Redhat Satellite Server for upgrading and patching Linux Servers.
* Installed, Configured and maintenance of **DNS servers, DHCP Servers, Mail Servers, FTP servers, NIS, Samba and web servers**.
* Implementing RAID 0, 1 and 0+1 levels using Veritas Volume Manager.
* Installed and configured **VERITAS Volume Manager** (VxVM), Disk and file system management through Veritas Volume Manager, Solaris Volume Manager and Solstice Disk Suite on Solaris and using Logical Volume Manager (LVM) for other flavors of UNIX.
* Planning, documenting and supporting high availability, data replication, business persistence, fail-over, fail-back using Veritas Cluster Server in Solaris, Redhat Cluster Server in Linux and HP Service Guard in HP environment.
* Maintained virtual environments using **VMware ESX 4.x**Server and built various Linux servers on VMware servers.
* Administer, maintain and troubleshoot EMC CLARiiON arrays by creating volumes, LUNs and implementing different **RAID levels**. Configured and created snapshots of clones of LUNs using EMC Snap View.
* Involved in large data center migration – planning, designing, moving servers to new data center, coordinating and troubleshooting issues with various data center, network, application and storage teams
* Installation, Configuration and Administration of **Web Logic, WebSphere and Apache Servers in Linux and Solaris Servers**.
* Maintaining Remedy environments used for the ticketing system and Sales Force CSone Ticketing System.
* Scheduling of automatic repetitive Jobs, and Shell Scripts with Crontab.
* Monitoring Virtual memory, Swap management, and Disk and CPU utilization by using various monitoring tools.
* Involved in mass migration of data form old EMC Storage subsystems to new Subsystems.
* Working Knowledge on Tivoli Storage manager.

**Environment:** Linux RHEL4/5,SUSE 10/11, Solaris 8/9/10, HP-UX 11/11i, AIX 5.3L, Sun Enterprise Server, SunFire 6800/ E6500/ E4500 & E3500, SunSparc1000, Sun V440, V490, TSeries, MSeries, HP-9000, rx8640, K, L, N Class Server, HP DL380,580,IBM RS/6000, pSeries Server, Veritas Volume Manager , LVM, Veritas File System, Veritas Cluster Server , Shell Scripting (Korne& Bourne), Sendmail Protocol, Apache Weblogic Server , DLT 7000 tape drive, Superdome blade servers, Windows 2000 / 2003, SAN / EMC.

**TESCO CORPORATION – Houston, TX \_ June 2013 – Dec 2013.**

**UNIX / Linux / Storage System Administrator**

Member of Storage Administration team, responsible for installations, configurations, troubleshooting of **Solaris and Redhat/Suse** Linux Operating Systems on **Sun, Dell and HP**hardware.Worked extensively on **NetApp Storage Filers**installing, configuring and pushing the filers into production. Day to day tasks involved trouble shooting systems, storage and user issues in a priority based ticketing process.

* Installation, configuration, maintenance, Administration, and support of **Solaris/Redhat/SUSE** on Dell and HP hardware.
* Kickstart/Jumpstart multiple servers with hands-off installation using Synopsys standard images.
* Troubleshooting issues related to **DNS, NIS, NFS, DHCP, Sendmail**on Linux and Solaris Operating Systems.
* Working knowledge on the TCP/IP protocols **RSH, SSH, RCP, SCP.**
* Worked extensively on Corp-Unix, Data Center, Storage and INTEL Frontline queue’s almost every day in one of those and these **Frontline Queues** have enough challenges ranging from customer tasks, user requests to  trouble shooting system issues within a timeframe.
* Worked in building of the new ESSM (Storage Team) **SharePoint** site right from the scratch and I have worked in the design, organization and documentation part of the site.
* Installing the **Clustered Filers** and **Single head filers** right from labeling the filer to installing, configuring and pushing the filer into production.
* Assisted on the **Storage Partition Allocations**, Modifications to the existing partitions, volumes, and aggregates on the filers according to the requests from the Business unit storage mangers
* Working Knowledge on **NDMP**, **RSYNC** data transfer applications.
* Involved in the storage Inventory collection, fixing the storage related partition issues which helped in FY13 planning tasks.
* Acquired good knowledge on Storage Monitoring tools **GSR, FSMON and MOTD**.
* Dealt efficiently in **Data loss scenarios**, presenting a plan and different options to the customer and recovering data from their backups and configuring their partitions by adding the security to the data in avoiding the data deletions.
* Played a critical role during the downtime owning the tasks related to **ONTAP**Upgrade, Bios Upgrade and RE-IP of the filers.
* Acquired good working knowledge on Retirement of the **NetApp** filers and replacing the NetApp Faulty Filer Drives.
* Working on partition **backups/ snapshots** related tasks.
* Maintenance of Magma tape backups and troubleshooting magma system issues.
* Extensively used **RCS Protocols** in checking out and checking in the code changes to the RCS revisions.
* Monitoring of Network and Systems using **NAGIOS**.
* Administration of Network and Serial Consoles using Cisco Hardware switches and routers.
* **Perl and Shell scripting** in bash to automate the repetitive administrative tasks.
* **Documenting processes** and troubleshooting scenarios on runbooks.
* **Provided 24x7 on call and remote support** for production issues and responding to user’s tickets

**Environment**: Solaris 8/9/10, Redhat Linux 4/5, SUSE 10/11, Sun Enterprise Servers, SUNFIRE X4150, DELL POWEREDGE 1850, Dell POWEREDGE R710, R715, R810, R815, R910, HP PROLIANT DL360 G1, G2, HP PROLIANT DL145 , IBM E326M, X3550, LDAP, DNS, NIS, NIS+, NFS, SNMP, Cisco Routers/Switches, Shell scripting (Bash,) Perl, NetApp FAS 22xx, 32xx, 62xx, ONTAP 7.x.x/8.x.x, RSYNC, NDMP, Sun Tape Library, Hitachi Data Systems.

**Prosperity Bancshares Inc, Houston, TX Dec 2012 – June 2013.**

**Solaris/Linux/ System Administrator**

Responsible for Solaris / Linux administration with responsibilities including administration of **Sun Solaris 8, 9, 10** on**Sun Enterprise**, **Fire Servers** and **Redhat Enterprise Linux 4.x, 5.x** on Dell Poweredge servers, Acma, Mazda Servers and Netboot Gentoo Linux, SUSE Linux.

* Installation, configuration, maintenance, Administration, and support on **Solaris / Redhat Linux/ SUSE Linux.**
* Responsible for maintaining the integrity and security of the enterprise UNIX (Linux /Solaris) servers and systems.
* Image machines using Jumpstart / Kickstart to install Solaris 10 and Red Hat Enterprise Linux.
* Installation and configuration of **Solaris Zones**.
* Maintains a disaster recovery plan. Creates backup capabilities adequate for the recovery of data and understands concepts and processes of replication for disaster recovery.
* Maintains **DNS, NFS, DHCP,** printing, mail, web, and **FTP** services for the enterprise.
* Manages UNIX account maintenance including additions, changes, and removals.
* **User administration** for all the NIS users.
* Supporting **NetApp** filers by closely working with the NetApp storage team.
* Name Service design, best-practices, configuration & maintenance (NIS, LDAP, DNS)
* Installation, configuration and management of **SAMP (Solaris/Apache/MySQL/PHP)** and **LAMP (LINUX/Apache/MySQL/PHP)** stacks.
* Provide off shift on call support for system support. Make system hardware and software recommendations as required.
* Configure and Manage Sun / Dell and HP hardware.
* Installation configuration and management of **VeritasNetbackup VXVM, VCS, ZFS, LVM, Virtualization** (Xen, SolarisZones/Containers, LDOMS, Oracle VM).
* Working knowledge on **Sun Directory (ldap), Solaris Volume Manager, Jumpstart/Wanboot, Kickstart, iscdhcp, Sendmail, Apache, NIS, NFS, Subversion/CVS, Compiling and Package creation**.
* Assist application owner in application troubleshooting, software package installation & creation.
* Perform **backup / restore and monitorNetbackup**&**HP Data Protector** backup tools.
* Perform Tape handling for all the filled tapes coming out of the MSL Tape libraries.
* Configuration, administration and management of external storage (**SAN/NAS**).
* Writing shell & Perl scripts to automate redundant jobs.
* Installation and configuration of HA environment using Sun or Veritas Cluster.
* Setup NIC bonding for servers with critical information.
* Recommends and implements security policies and standards and ensures adherence to procedures.
* **Provided 24x7 on call and remote support** for UNIX Production Problems and responding to user’s tickets from **HP-OVSC.**

**Environment**: Solaris 8/9/10, Redhat Linux 4/5/5.2/5.4/5.6, Netboot Gentoo, SUSE, Sun Enterprise Servers, SUN FIRE 6800/E6500/E4500, Sun Sparc1000, Dell Poweredge, Acma, Mazda with Storage Array, IBM RS/6000, Disk Suite, Veritas Volume Manager 3.x/4.x, LDAP, DNS, NIS, NIS+, NFS, SNMP, Cisco Routers/Switches, Shell scripting (Korn, Bourne, Perl), Oracle, SENDMAIL, Apache, Tomcat ,WebSphere, Sun and Veritas Clusters, SAMP and LAMP stack.

**Qualcomm Inc – Hyderabad, India June 2010 – Dec 2012  
System Administrator (Solaris/Linux Administrator)**

Member of **UNIX Administration team** with responsibilities that included **planning migrations, troubleshooting VCS, working closely with Oracle team to fix problems.**

* **Jumpstart** and **Flash Installation** of **Solaris10** on **Sun SPARC T2000** and **M5000Servers** for testing, production and disaster recovery setup as required.
* **Installation**of **Red Hat EL 4.x, 5.x** using **Kickstart** and **PXE** on **HP Blade Servers**.
* **Administration of Services using SMF** and converting legacy services to be managed by SMF. Error detection and Observation of services
* **Implementation of non global zones for Oracle**. **Patching** of zones and **migration** of **zones** from **Sun v440** to Sun **M5000**
* **Performed volume management** using **VERITAS Storage Foundation 4.1**, 5.0 which included the encapsulation, initialization, root disk mirroring, export / import of disk groups etc. Created **file systems using ZFS** and **setup** quotas in **zpools**.
* **Mirroring of root disks** using **Sun Volume Manager** and **configuration of RAID 5** soft partitions, detaching of mirrors in SVM, added root disk in SVM.
* **Implemented VERITAS Cluster 5.0** for Oracle 10g and **Sun JES Web Server 6.1Installation and support** of applications like **Apache 2.2, Sun JES Web Server 6.1, Oracle 10g and Sybase 12.5 on Solaris 10.**
* **Creation** and **administration** of software packages and checking the integrity of installed packages using native **rpm** on **Redhat servers** and **pkg** commands on **Solaris**.
* **Planning, migration of applications** and testing during data center move. **Solaris 10 migration from E220, V440, V890 to M5000.**
* **Extensive troubleshooting** of issues related to **network, hardware, Operating System, applications, users, and resource failovers on VCS 5.0 etc.**
* **Automated repetitive administrative tasks** like parsing of files, creating users, backing up file systems, transfer of files for ftp and sftp etc. using bash, korn shell

**Environment:** Solaris 10, Veritas Cluster Server 5.0, Veritas Storage Foundation 5, VeritasNetbackup 6.5, Oracle 10g and Powerpath, Microsoft Windows 2003, Sun servers E220, V440, V890, M5000, T2000, Dell PowerEdge 1850, 2850, HP BL600, c3000, Sun Storage 7110, EMC DMX 3.

**Semantic Space Technologies, Hyderabad, India \_ \_ July 2007 – May 2010**

**Systems Administrator**

* **Installing, configuring and updating Solaris 7, 8, Red Hat 7.x, 8, 9, Windows NT/2000 Systems using media and Jumpstart and Kickstart.**
* **Installing and configuring Windows Active directory server 2000** and Citrix Servers.
* System accounting and **disk space usage monitoring**.
* **Configured** and **administered** backups of **UNIX systems**.
* Maintaining **DNS** Server **using BIND**.
* **Creating and Authenticating Windows** user accounts on **Citrix server.**
* **Creating System Disk Partition, mirroring root disk drive, configuring device groups in UNIX and Linux environment.**
* **Working with Veritas Volume Manager 3.5** and **Logical Volume Manager** for file system management, data backup and recovery.
* **User administration** which included **creating backup account** for new users and **deleting account** for the retired or deleted users.
* **Managing Tape Drives** and **recycling** it after specific period of time as per the firm’s policies.
* **Installing and configuring Oracle 8i** database server **on Solaris** after creating the file systems, users and tuning the kernel.
* **Installed and Configured SSH Gate** for **Remote and Secured Connection**.
* **Setting up labs** from scratch, testing hardware, installing and configuring various hardware devices like printers, scanners, modems, network and communication devices.
* **Configuration of DHCP, DNS, NFS** and **automounter**.
* **Creating, troubleshooting and mounting NFS Filesystems** on different OS platforms.
* **Troubleshooting and solving problem**s related to users, applications, hardware etc.
* **Working 24/7on call** for application and system support.

**Environment:** Solaris 7, 8,Redhat Linux 7.x, 8, 9, Windows 2000/NT, Veritas Volume Manager, Oracle 8i, SSH Gate, Cisco router, Brocade switches, DHCP, DNS, NFS, Automounter