**Anand Babu**

**SUMMARY:**

* 10+ years of Experience in System Administration, System Builds, Server Builds, Installs, Upgrades, Patches, Migration, Troubleshooting, Security, Backup, Disaster Recovery, Performance Monitoring and Fine-tuning on **UNIX (Red Hat Linux, SUN Solaris & IBM AIX)** Systems.
* Experience on Network Administration and Application (Production) Support experience on various OS platforms including Red Hat ENT Linux, SUSE Linux, Sun Solaris & IBM AIX.
* WebSphere MQ Integrator inclusive of installation, configuration and administration.
* Extreme knowledge of monitoring tools for the OS and MQ series objects
* Experience in Designing & Creating Domains on M3000, M5000 servers created LDoms on T2000, T5220 and T5440 servers.
* Experience in with **Virtualization** technologies like installing, configuring, **VMware vSphere**. Creation, management, administration and maintenance of virtual servers and clients.
* Experience in Networking configuration & Security Configuration on ESX Host.
* Experience with**x86 / x64Intel, HP, IBM & Dell** hardware like rack-mounted servers, tower servers, desktop, laptop and other peripherals.
* Experience in Security Hardening in UNIX, Linux and Windows servers.
* Experience in using various network protocols like HTTP, UDP, POP, FTP, TCP/IP, and SMTP.
* Worked on EMC storage Technologies like **SRDF/\*/BCV**.
* Sound knowledge on **VERITAS Cluster Server, VERITAS File System and VERITAS Volume manager.**
* Extensively worked on Solaris 10 containers, Zones for Virtualization.
* Helped to establish standards, policies and procedures for all aspects of UNIX server environment (e.g., configuration, administration, documentation, etc.)
* Installing, upgrading and configuring SUN Solaris 7, 8, 9 and 10 on Sun Servers Using Jumpstart Servers and Red hat 4.x, 5.x, 6.x on DELL DRAC, VMware using Kick Start and Interactive Installation
* Involved in migration and consolidation of Unix/Linux Servers in Production data center.
* Planning, documenting, and supporting high availability, data replication, business persistence, failover, and failback using VERITAS Cluster Server 3.x/4.x, sun cluster server in SAN environment.
* Proficient DB administration (Oracle, DB2, Sybase and SQL) knowledge for maintaining, pruning, and performing required DB tasks.
* Experienced in working with Storage Area Network (SAN), TSM, EMC Clarion, Celera, EMC Symmetric DMX, Control Centre and VMware.
* Experience in designing and configuring open source management tools Puppet, Chef and CFEngine.
* Installed, configured and implemented the RAID 0/1/5 volume management using VERITAS Volume manager (3.5/4.x/5.0) and Solstice Disk suite (SVM) on Solaris. Also Experienced in VERITAS file system (3.x, 4.x, 5.0), VERITAS Net Backup (4.x, 5.x, 6.x) for disk management and mirroring tasks.
* Creating and maintaining user accounts, profiles, security, rights, disk space and process monitoring.
* Experience in installing, configuring, supporting and troubleshooting Unix/Linux Networking services and protocols like NIS, NIS+, LDAP, DNS, NFS, DHCP, NAS, FTP, SSH and SAMBA.
* Expert in Installing, configuring and maintaining apache/tomcat, samba & send mail, Web Sphere Application Servers.
* Expertise in implementation and maintenance of DHCP, NFS, NIS, DNS and Apache SMTP.
* Proficient in System Backup and Recovery from tapes using ufsdump, ufsrestore, tar and cpio.
* Well versed in configuring Volume Groups and Logical Volumes, extended logical volumes for the system growth needs using Logical Volume Manager (LVM).
* Networking and Communication devices, Server Utilities, TCP/IP, FTP. Expert in Data center operations including hardware, software setup monitoring, troubleshooting on a 24 x 7 basis with BMC patrol, Team Quest, Unicenter & Smart trouble ticketing Systems/remedy tickets/kintana tickets etc.
* Installation of WebLogic, upgraded to service pack updates, installed BEA patches, configuring and creation new domain, start and stop WebLogic server.
* Experience in installation and configuration of WebLogic, WebSphere, Apache, JBoss, and I Planet, LDAP, and mail servers.
* Resolving system errors and crashes, huge file sizes, file system full errors and Installing Network Printers and rectifying the Printer problems over the network.
* Excellent skills in analyzing, designing, implementing and system integration, Knowledge on Switches, Routers, & Firewalls.
* Independent problem solving and a good team player with strong interpersonal and communication skills.
* Experience supporting 24x7 production computing environments. Experience providing on-call and weekend support.

**Academic Qualifications:**

* B.com (Rani Rudrama Devi degree and PG college, Osmania University Hyderabad, India -2004)

**Certifications:**

* Red Hat Certified System Administrator(RHCSA) for Linux 7
* Red Hat Certified Engineer (RHCE) for Linux 7
* SUN Certified System Administrator for Solaris OS -10 Part1 (310-200)
* SUN Certified System Administrator for Solaris OS-10 Part2 (310-202)
* HP-UNIX Certified System Administrator
* Sun Cluster Administration Certified for UNIX Solaris.

**TECHNICAL SKILLS:**

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| --- | --- |
| Operating Systems | Sun Solaris 11,10, 9, 8, Red Hat Linux (4.X, 5.X. 6.X,7) ES & AS, HP-UX, IBM-AIX, Windows 2003/XP/2000  **VMware**: VMware VSphere, Workstation, ESX Server, VMware DRS, HA and FT, VMware Standalone Converter, VMware Update Manager, VMware Virtual Desktop Infrastructure VDI, VMware View. |
| Hardware | Sun Ultra Enterprise Servers (E3500, E4500, E450, E420R, E250,Sun Fire (6800/4800/3800/v880/v480/v210/v440/280R/15K/25K), Sun Workstations (Ultra 5, 10,20,Blade 100,150,2000), IBM F-series and P-series, IBM RS6000, Sun Storage Array D1000,A5000 |
| Software | VERITAS File System, VERITAS Volume Manager, Solaris Volume Manager, Solstice Disk Suite 4.x, Veritas NetBackup. |
| Tape Hardware | Storagetek tape libraries L40, L80, L180, L700, Sl500, Sl850, DAT & DLT, STK 9940B, 9840B, LTOs |
| Cluster | VERITAS Cluster Server, Red Hat Cluster Server, Sun clusters |
| Web/Application Server | Tomcat, Apache, IBM RSA/WAS, WebLogic |
| Scripting Languages | Born, Bash, KSH & Perl |
| Database | Oracle, DB2/UDB, AS/400, Sybase |
| Languages | C ++, Java, VB 6.0, XML, HTML, Perl, Shell Scripting , SQL , PL/SQL |
| ERP | SAP R/3, PeopleSoft, Siebel |

**PROFESSIONAL EXPERIENCE:**

**(Client - Deutsche bank) March 2016 to Present**

**UNIX/Linux system Admin & Application (Production) Support Lead Role:**

**Responsibilities:**

* Plan, design, Implementation, Installation and configuration Operating System Installation and upgrade of Red Hat Linux 5, 6, Solaris a 10,11 & AIX 5.2/5.3 on & HP-Dl585, DELL DRAC and VMware.
* MQ Integrator inclusive of installation, configuration and administration.
* WebSphere inclusive of installation, configuration and administration.
* System software maintenance via updates to packages on Solaris 11
* Updating a server by connecting to the Support Repository and Upgrade a server by connecting to the repository on Solaris 11.
* Hands on experience in standard network protocols, load balancing, and firewalls in a CISCO network environment.
* Configured Kick Start Server and build servers using kick start server and Jumpstart Solaris servers, custom building with packages, patches, and volume management.
* Solaris Live Upgrade from Solaris 8, 9 and old update from Solaris 10 newer update version across the whole environment.
* Administration of RHEL and Oracle Enterprise Linux 5.4, which includes installation, testing, tuning, upgrading and loading patches, troubleshooting server issues.
* Responsible for configuration of AIX servers, for maximum performance in a production environment, configuring systems with various raid, strip and mirroring configurations.
* Installation and configuration of management tool Puppet & Jenkins across RHEL environment.
* Developed the scripts to push patches, files and maintain configuration drift through the Puppet tool.
* Creating, cloning Linux Virtual Machines, templates using VMware Virtual Client 3.5 and migrating servers between ESX hosts.
* Installing Red-hat Linux using kick start and applying security policies for hardening the server based on the company’s policies.
* Build Yum repository Server for Development team to upload packages
* Planned, scheduled and Implemented OS patches on both Solaris & Linux boxes as a part of proactive maintenance and Secure Shell (SSH) implementation.
* Worked with team members to solve technical issues on Java Server faces, XML and ZFS JNI project
* Package installations, patch and other server management using DSM and Opsware.
* WebSphere MQ Integrator inclusive of installation, configuration and administration.
* Setting group policies, adding new OUs, moving servers to the correct OU in AD.
* Managing systems routine backup, scheduling jobs like disabling and enabling cron jobs, enabling system logging, network logging of servers for maintenance, performance tuning, testing.
* Troubleshooting tickets, which includes storage, network, and system related issues and logging RCA using BMC Remedy.
* Custom building Oracle RAC 11g, ORACLE ASM and preparing servers for database installation, which includes adding kernel parameters, software installation, permissions etc.
* Formatted raw disks & partitions them using the fdisk utility. Created file system using newfs and mounted it.
* Installed Web Logic created domains and managed servers on WebLogic ATG environment for Verizon Applications.
* Configuring DNS, DHCP, NIS, NFS in Red Hat Linux 5.0 & other Network Services, Linux kernel, memory upgrades and swaps area.
* Installed LDAP server and configured it to Centreon & Nagios monitoring tool.
* Administration/Configuration of Print Servers/Clients in the Network, planning, configuration and maintenance of connectivity for servers as well TCP/IP configuration.
* Network troubleshooting using ‘ndd’, 'traceroute', 'netstat', 'ifconfig' and 'snoop'.
* Experience in Developing KORN, BASH, PERL, and Python shell scripts to automate cron jobs and system maintenance. Scheduled cron jobs for job automation.
* Production support of Apache, Apache HTTPD, JBoss, Tomcat including installation, configuration, management and troubleshooting.
* Utilized Linux Terminal Server for removing fat client management, save on administration Provide users with a more reliable & secure environment.
* Worked in configuring and setup connectivity between web servers, database servers and directory servers as a process server administrator.
* Set up user and group login ID's, printing parameters, network configuration, password, resolving permissions issues, and user group quota.
* Gathering requirements from customers and business partners and design, implement and provide solutions in building the environment.
* Attend team meetings, change control meetings to update installation progress and upcoming changes in environment.
* Supported 24/7-production support for mission critical application and servers.

**Environment:** Red hat Linux 5, 6, SUN Ultra Sparc 5/10 Software: Solaris 7, 8, 9 &10,11 VERITAS NetBackup 5.1HP-DL585,AIX 5.2/5.3, Dell DRAC, Red hat Cluster, VERITAS Cluster Server, Enterprise Security Manager, Opsware, WebLogic 10, JBoss, Oracle 10g/11g RAC.

**TCS (Client – Foxtel) March 2015 to FEB 2016 LINUX/UNIX system Administrator (Production Support)**

**Responsibilities:**

* Installation and Administration of Red Hat Enterprise Linux 3, 4, 5 SLSE10 using Kick start including performance monitoring, scaling and capacity planning and hardware maintenance of Sun fire servers.
* Installation and Configuration of Red Hat Satellite on Dell PowerEdge 2650.
* Installation and configuration of CYGWIN on Windows in order to access UNIX system from Windows Operating Systems.
* Perform regular update to the latest patches for SUN Solaris and Linux machines.
* User and group administration for all the UNIX servers (IBM AIX, HP-UX, RHEL) available in the lab.
* Configuration of Naming Services like DNS, DHCP, NIS, LDAP Novell eDirectory. Implementing Master and Slave servers for NIS, DNS.
* Expert in Installing, configuring and maintaining apache/tomcat, samba.
* Coordinate with web admin team in installation of BEA WebLogic Server 8.1.
* Creating, Mounting and Troubleshooting NFS File systems on different OS platforms.
* WebSphere MQ Integrator inclusive of installation, Upgrades configuration and administration.
* Troubleshooting and fixing day-to-day problems related to the servers.
* Upgraded Solaris 9 to Solaris 10 and worked with Solaris zones/containers, Used Solaris Cluster to deploy two-node cluster.
* Building Sun Solaris Servers from scratch with Jumpstart and Flash Archives for upcoming projects.
* Coordinating with Networking team for the Switches information, Routers and have good exposure on standard network protocols, load balancing, and firewalls in a CISCO network environment.
* Hands on Migration Red Hat Enterprise Linux 4.0 to RHEL 5.0.
* Responsible for Oracle database security and patching, Oracle database capacity analysis and planning.
* Providing 24 x 7 supports to various application level server level & network level Monitoring & troubleshooting of any data center outages.
* Hands on VMware for installing Linux and SuSe Linux and windows on virtual machines.
* Managing disk storage with VERITAS Volume Manager 3.5/4.1 and Solaris Volume Manager with VERITAS File System (VxFS).
* Created and Managed Meta devices using Solstice Disk suite and Volume Manager.

**Environment:** Solaris 8, 9 & 10, HP-UX 11.11, 11.23, Red Hat 5x, E10K, E25K domain servers, Sun Fire V440 v210, v220, v240, Sun Blade 8000 servers, WebSphere 6.1, VCS, VVM, Tivoli, Remedy (Ticket Monitoring Tool)

**IBM (Clients – Hartford, Telstra) SEP 2009 TO FEB 2015**

**LINUX/UNIX system Administrator (Production Support)**

**Responsibilities:**

* Installation and Administration and upgrades of Red Hat Enterprise Linux 3, 4, 5 SLSE10 using Kick start including performance monitoring, scaling and capacity planning and hardware maintenance of Sun fire servers.
* Installation and Configuration of Red Hat Satellite on Dell PowerEdge 2650.
* Installation and configuration of CYGWIN on Windows in order to access UNIX system from Windows Operating Systems.
* Perform regular update to the latest patches for SUN Solaris and Linux machines.
* User and group administration for all the UNIX servers (IBM AIX, HP-UX, RHEL) available in the lab.
* Configuration of Naming Services like DNS, DHCP, NIS, LDAP Novell eDirectory. Implementing Master and Slave servers for NIS, DNS.
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* Troubleshooting and fixing day-to-day problems related to the servers.
* Upgraded Solaris 9 to Solaris 10 and worked with Solaris zones/containers, Used Solaris Cluster to deploy two-node cluster.
* Building Sun Solaris Servers from scratch with Jumpstart and Flash Archives for upcoming projects.
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**Environment:** Solaris 8, 9 & 10 , HP-UX 11.11, 11.23, Red Hat 5x, E10K, E25K domain servers, Sun Fire V440 v210, v220, v240, Sun Blade 8000 servers, WebSphere 6.1, VCS, VVM, Tivoli, Remedy (Ticket Monitoring Tool)

**HCL (Client – GEGIS) SEP 2008 TO JUNE 2009**

**UNIX (Red hat/Solaris) System Administrator (Production Support)**

**Responsibilities:**

* Major part of support is dedicated to Production Application Environment.
* Analysis, Troubleshooting and Problem Resolution.
* Provided 24X7 support for large number Production, Development and Test systems.
* Involved in Reviews and Meetings & Teleconferences with clients.
* Data Centers support contains 500 + servers.
* Created, Modified and deleted user accounts using REMEDY AR system tool.
* Supporting various applications on UNIX environment.
* Managing Task plans and uploading into database
* Software Deployments on request basis for production environment.
* Building Task Plans for all S/W deployments and review with Application teams.
* Involved in applying patches and Bundles using Tivoli.
* Backup Monitoring Using Control-M Tool.
* Coordination with offshore team to implement any changes in production Environment.
* Working with H/W vendors to fix all H/W issues and replacement (Vendor Calls Mgt).
* Installation of SSH and configuration of keys bases authentication.
* Install and configure Jumpstart servers
* Integrating UNIX Directories and file systems using packages like SAMBA. Setting up printers on UNIX / NT machines to work seamlessly across platforms.
* Assisting Development team to provide the information and troubleshooting.
* Working with Development team to troubleshoot Web logic issues.
* Troubleshooting the problems related to Apache web server.
* Working closely with Vendors on Hardware Problems, software fixes.
* Installed and Configured EMC SAN Power path.
* Expertise in use VMware virtual infrastructure.
* Co-coordinating with HP-Unix engineers to resolve high priority issues.
* Setup, maintain and management of user accounts and groups according to the security needs and adding the packages and patches when needed.
* Initiating Backups on daily basis and monitoring the scheduled Jobs backups.
* Clarify Ticket based problem management.

**Environment:** Red hat 5.3,5.5, Solaris 7, 8, 9,10, , HP-UX 11i, Windows Server 2000 and 2003, Sun Enterprise 10000, 15000, Apache Web Server 1.3.x, 2.x Oracle 8i,9i2, Perl, KSH, Sun v480, v880, E220, IBM p630, p550,power 4 Dell POWEREDGE 700,2650,6650.

**HCL (Client - JP Morgan Chase) JAN 2008 TO AUG 2008**

**UNIX (Red hat/Solaris) System Administrator (Production Support)**

**Responsibilities:**

* Major part of support is dedicated to Production Application Environment.
* Analysis, Troubleshooting and Problem Resolution.
* Provided 24X7 support for large number Production, Development and Test systems.
* Involved in Reviews and Meetings & Teleconferences with clients.
* Data Centers support contains 500 + servers.
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* Working with Development team to troubleshoot Web logic issues.
* Troubleshooting the problems related to Apache web server.
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* Installed and Configured EMC SAN Power path.
* Expertise in use VMware virtual infrastructure.
* Co-coordinating with HP-Unix engineers to resolve high priority issues.
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**Environment:** Red hat 5.3,5.5, Solaris 7, 8, 9,10, , HP-UX 11i, Windows Server 2000 and 2003, Sun Enterprise 10000, 15000, Apache Web Server 1.3.x, 2.x Oracle 8i,9i2, Perl, KSH, Sun v480, v880, E220, IBM p630, p550,power 4 Dell POWEREDGE 700,2650,6650.

**WILSHIRE SOFTWARE TECHNOLOGIES JULY 2006 TO OCT 2007**

**System Administrator**

**Responsibilities:**

* Responsible for day-to-day system administration task on SUN SOLARIS 9, RHEL 4/5 and Windows 2X Servers.
* Build the SUN Servers i.e. Sun E4500, Fire V210, Fire V120, Blade 2000, Netra T1 for Solaris operating system and configured the A1000 and D1000 Storage.
* Planning the installation of Solaris 10 on Sun Blade, SUN ultra machines.
* Setting up and configuring Install Server, Configuration Server and Boot Server for Kick Start process & performed Kick start to install OS on Several workstations.
* Performed setting up Configuration Server and Boot Server for Jumpstart process and using Tape-Recovery for file system recovery.
* Deployed Solaris 8/9 on an Ultra 10 system for NIS, DNS, and DHCP.
* Provided Solaris administration on Sun Ultra Sparc Enterprise servers, including VERITAS Cluster Server (VCS) and VERITAS Volume Manager.
* Install and configure VERITAS NetBackup versions 5x and 6x client on all server installation and server builds. VERITAS Cluster Server and VERITAS NetBackup maintenance.
* Managing Solaris systems running VERITAS Cluster 3.1 and Set Up maintenance of DNS.
* NFS Management – Setting up of NFS Server and Environment.
* Installation of Tomcat with JBoss Application & done load balancing with monitoring tools like BMC Patrol and Site scope.
* Efficiently managed Disk and File system through VERITAS Volume Manager (VxVM), Logical Volume Manager (LVM).
* Multiple installations, configurations, and testing using VMware vCenter Site Recovery Manager.
* Prepared test environments and managed configurations for multiple servers and databases in VMware.
* Administration and configuration of qmail mail server, PDC and FTP Server.
* Set up Quotas for the user accounts & limiting the disk space usage.
* Administration/Configuration of Linux/windows print server/client in network.
* Worked on system performance and tuning: mpstat- for multiprocessor usage, vmstat- for system activity and hardware analysis information.
* Configured IIS on Windows 2000 and 2003 Server for Intranet and Internet hosting.
* Troubleshooting email helpdesk calls on Qmail mail Server.
* Monitoring connectivity off all LAN attached to the divisional named server, including all TCP/IP, Switches, NIS/NIS+, Telnet, FTP connection to over 200 plus workstation throughout the DIVISION using various gateways and Routers.

**Environment:** Solaris 9/10, Windows 2000, RHEL 4/5, SUN Enterprise Servers SUN FIRE E4500 and E3500, SUN SPARC / VERITAS Volume Manager 4.x with DLT, Shell scripting, VMware, SENDMAIL Protocol, QMAIL, Tomcat with JBoss, Unix/Windows Workstation.