**Suresh Boothapati bkumar8043@gmail.com**

**Linux Administrator (617) 356-7693**

**SUMMARY:**

* Having 8 years of experience specialized in System Administration working on Redhat Linux, Solaris, Suse Linux, AIX, Cent OS, Fedora, OEL and Windows environments.
* Installing, upgrading and configuring RedHat Linux 4.x,5.x,6.x and 7 using Kickstart Servers and Interactive Installation
* Complete Satellite Administration.
* Data center administration.
* Hands on Experience in redhat Enterprise Linux and Kickstart-PXE installation.
* Excellent in troubleshooting and Maintaining AIX and Patching.
* Experience in Installing, upgrading and configuring SUN Solaris 2.6, 7, 8, 9 and 10 on Sun Servers using Jumpstart Servers, Flash Archives and Interactive Installation.
* Data center administration involving hardware replacement, disk installations, networking in data center.
* Supported installation of Oracledatabase (RAC) on Linux servers associated with DBAs.
* Experience with configuring firewalls using Linux. Familiar with configuring advanced features such as NAT, port redirection, and logging.
* Supported WebSphere Application Server, IBM HTTP/ Apache Web Servers in Linux/ AIX environment for various projects.
* Expertise in Planning, Installation, Configuration and Maintenance of IBM HACMP V4.5 and V5.1.
* Trouble shooting and analyzing network related issues using Wireshark.
* Installation & Configurations of Red Hat Linux & Fedora Linux, Maintenance & System Administration, webserver 6.1, NetBackup 5.0/6.x, Apache, Tomcat, Sendmail
* Experience in administering Solaris & Linux. Experience in Installation, Configuration, Backup, Recovery, Maintenance, Support of Sun Solaris & Linux.
* Experience in Installing, upgrading and configuring RedHat Linux 4.x, 5.x, 6.x ,7using Kickstart Servers and Interactive Installation.
* Building servers and configuring Ethernet settings of both IPv4 and V6.
* System backup and disaster recovery applications including Veritas Cluster Server (VCS) and VeritasNetBackup.
* Controlling Network packet traffic using packet analyzer such as tcp/ipdump.
* Experience in Shell scripting (korn) to automate system administration jobs as per the customer request and applying the changes after creating a change control and getting the approval according to customer requirements.
* Experienced in DNS, NIS, NFS, FTP, sendmail, remote access, security management, and system troubleshooting skills.
* Optimize administration and distribution of space in disk for the Oracle database.
* Proficient in SMIT Administration. Installation, Maintenance of RS/6000 systems, disk drives.
* Thorough usage of tools such as iPerf and IOMeter in single as well as clustered systems.
* Configured advanced virtualization (POWER5, POWER6) features WPAR, DLPAR, Micro-partitioning, Virtual Ethernet, PLM, and LPM.
* Configuration and installation of software as well as hardware applications on Windows machines.
* Work with DBAs on installation of Oracle, restoration and performance tuning.
* Expertise in implementation and designing of disaster backup and recovery plan.
* Knowledge of networking (TCP/IP, Ethernet), NIS, DNS, NFS, DHCP and RAID.
* Provided production support in an on-call rotation in a 24x7 environment.
* Excellent analytical, oral, written, communication and problem solving skills and good Team Player.

**EDUCATION:**

B. Tech computers from JNTU

**SKILL SET:**

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| --- | --- |
| Operation Systems | Redhat Linux(v6.2,7.2,Enterprise Linux),CentOS,IBM AIX (v4.2, 4.3, v5.2, v5.3, v6.1), HP-UX (v10,v11.x),Windows 2000/2003 server, Windows 95,98/NT/ME/XP, |
| Hardware | IBM p520, p550, p560, p570, p575, IBM P670, IBM, P650, IBM RS/6000 F50, JS20 IBM Blade server, HMC |
| Application Server and Technologies | NIM, Apache, HACMP clustering, DNS, NIS, NFS, Websphere Application Server 6.x/5.x, Websphere Portal server, Windows 2000/2003 Active Directory, Microsoft IIS Server4/5, SSL, Distribution Server. |
| Databases/scripting | MSSQL 2000, DB2, Oracle, shell scripting |
| Storage Technologies  Networking Technologies | IBM SAN, AIX Logical Volume Manager,EMCpowerpath, Cisco Router, Cisco Catalyst Switchl |
| Backup/Monitoring Tools | TSM v5.3, v5.4, cpio, tar, mksysb, SMIT, WSM, SAR, topas, tcpdump, Windows NTBackup/restore |

**PROFESSIONAL EXPERIENCE:**

**Harvard Medical School,Boston,MA Oct 2015 – Till date**

**Linux Administrator**

Harvard Medical School(HMS) is know for its research methodologies and producing high standard graduates each year which is an educational hub located in Longwood avenue Boston.

**Resposibilities :**

* Performing daily system monitoring, verifying the integrity and availability of all hardware, server resources, systems and key processes, reviewing system and application logs, and verifying completion of scheduled jobs such as backups.
* Perform daily backup operations, ensuring all required file systems and system data are successfully backed up to the appropriate media, recovery tapes or disks are created, and media is recycled and sent off site as necessary.
* Building physical and virtual Linux servers from scratch and configuring and installations on the servers.
* Thorough maintenance of Ubuntu, CentOS, Fedora & Linux Machines.
* Utilize and maintain comprehensive documentation as it relates to server, equipment, and application configuration.
* Data Center Migration support for CX, DMX attached hosts.
* Network installation via cobbler kickstart server and centralized yum server for client package update.
* Managing DNS for external and internal domain & Send mail Relay Server for outgoing mails.
* Virtualization in KVM and ESX and migration of servers from KVM to ESX.
* Managing VMware ESX 3.0 and two GSX servers for development and website migration.
* Perform systems upgrades and patching.
* Trouble shooting and analyzing network related issues using Wireshark.
* Network file mounts in between Linux and Windows machines using Samba.
* Applying BPF based filter to limit the packets seen by tcpdump to regulate traffic.
* Create, change, and delete user accounts per request.
* Configured Network switch to connect multiple devices to process data in network.
* Providing 24\*7 on call support.
* Assembling hardware components on both Linux/Windows machines.
* Resolving tickets and maintenance activities through change requests.
* Repair and recover from hardware or software failures including both Windows/Linux machines.  Coordinate and communicate with impacted constituencies.
* Assist Client Services Representatives (CSRs) in troubleshooting users’ problems in connecting to and using servers

**AIR Worldwide, Boston, MA Jun 2015 – Sep 2015**

**Linux Adminstrator**

AIR is scientific leader and most respected provider of Risk modeling software and consulting services which is primarily an Insurance company located in Downtown ,Boston

**Responsibilities:**

* Setting up environment.
* Building physical and virtual Linux servers from scratch and configuring and installations on the servers.
* Integrating entire environment into Satellite Server.
* Upgrading servers which are of 5.x version to 6.x or 7 as per requirement.
* Adding whole environment servers to Nagios.
* Installing NRPE agent and trouble shooting network issues.
* Installed and maintained several ESX Linux servers on virtual environment.
* Configuring Redhat and CentOS machines.
* Adding Kickstart files and installing latest packages to servers from Satellite.
* Network installation via cobbler kickstart server and centralized yum server for client package update
* Adding latest version OS of Redhat and CentOS into Cobbler distro.
* Providing 24\*7 on call support.
* Resolving tickets and maintenance activities through change requests.
* Troubleshooting I/O system using tool known as Iometer.
* Installing softwares such as Humming bird, Octave,Xterm etc on windows machines.
* Setting up backup datacenter and migration existing ones.
* Installing and configurations on RHEL and CentOS.
* Configuring NFS, NIS, NIS+, DNS, Auto Mount & Disk Space Management on SUN Servers
* Integrating windows machines with Linux machines using Samba.
* Controlling high network traffic using TCP/IP dump.
* Integrating systems using satellite and puppet.
* Configuring and maintaining network services such as LDAP, DNS, NIS, NFS, Web, Mail, FTP

**Environment:** Redhat Linux 4x to 7x series, CentOS, LVM .HP Quality Center, , VMware VSphere, .

**Citizens Bank, Cranston, RI Sep 2014 – May 2015**

**Linux/Unix Administrator**

Citizens Bank is considered as third largest bank in United States consisting of three major data centers, which operates Linux, AIX and Solaris servers. Primarily located at Providence and Cranston, RI and Medford, MA and Kinston, NC.

**Responsibilities:**

* Building physical and virtual Linux servers from scratch and configuring and installations on the servers.
* Thorough experience on Satellite server and installations of Redhat Linux on Dell and HP physical boxes.
* Installed and maintained several Linux servers on virtual environment.
* Created mount points for Server directories, and mounted these directories on the Servers.
* Diagnosed and troubleshoot software and hardware related problems.
* Implemented & installed RedHat AS 5.0/6.0operating Systems on LPAR using HMC. Good knowledge of installing UNIX based operating systems on LPAR.
* User Administration, management and archiving.
* Configuring NFS, NIS, NIS+, DNS, Auto Mount & Disk Space Management on SUN Servers.
* Experience in Configuring and Managing Virtual Disks, Disk Mirrors & RAID Levels.
* Data Center Migration support for CX, DMX attached hosts.
* Network installation via cobbler kickstart server and centralized yum server for client package update.
* Managing DNS for external and internal domain & Send mail Relay Server for outgoing mails.
* Perform security patching of Linux servers and AIX servers.
* Organized couple of Disaster Recovery activities on TSA datastage application and OPrisk applications.
* Creating maintaining user profiles, security, and rights, Backups of data and Disaster Recovery.
* AIX system administration and management.
* User administering of the applications configured in Windows machines as well.
* Created shell scripts and updated the scripts as per the requirement.
* Enterprise resource planning included ITIL processes, such as Configuration Management, Change Management, Problem management and Incident Management.
* Controlling Networking traffic using packet analyzers such as TCP/IPdump.
* Installed and configured file and Application servers running on Sun servers
* Networking concepts which included configuring cabling and switch configuration.
* Configuring and maintaining network services such as LDAP, DNS, NIS, NFS, Web, Mail, FTP
* Providing 24\*7 support and solutions to testing activites using HP Quality center.
* Experienced in engineering environments for AIX 5.3-7.1.
* Extensive use of bladelogic servers to implement and automatic the scripts in case of filesystem alerts.

**Environment:** Redhat Linux 4x to 7x series, ILO ,IBM AIX different versions includes 7.1 , VIO systems, LVM .HP Quality Center, Oracle Solaris, VCS, VMware VSphere, BMC .

**Mosaic Nutrition, Tampa, FL Apr 2013 – Aug 2014**

**LINUX Administrator**

Mosaic is the world's leading producer and marketer of concentrated phosphate and potash, two of the primary nutrients required to grow the food the world needs. Mosaic was formed in 2004 through the combination of IMC Global Inc. and the crop nutrition business of Cargill, Incorporated. Headquartered in Plymouth, Minnesota, we employ approximately 7,400 people in ten countries.

**Responsibilities:**

* Installing and configuration of red hat Enterprise Linux environment including RHEL 4,5 and 6 and OEL 5.5 , AIX 5.2/5.3 and Suse Linux 9 and 10
* Responsible for managing redhat Linux production and development environment servers
* Configure and manage EMC power path and Oracle RAC
* Managing VMware ESX 3.0 and two GSX servers for development, and around 24+ virtual machines.
* Handling Cacti and Nagios for Server, storage and SAN switches monitoring.
* Network installation via cobbler kickstart server and centralized yum server for client package update.
* Managing DNS for external and internal domain & Sendmail Relay Server for outgoing mails.
* Assisted Oracle DBA team with migration DB from AIX to Linux RAC environment.
* Linux Oracle Enterprise servers installation and advanced configuration (Oracle RAC) with IBM 5.x series hardware.
* Managing EMC & Pillar SAN storages.
* Samba & NFS file Server for sharing files on multiple clients which included windows platform as well.
* Little of configuration and administering of Windows machines.
* Implemented Spacewalk Open Source (redhat Satellite Server) System management application for auto provisioning, software grouping, custom package channel, system inventory, auto deploying patches and monitoring of redhat Servers.
* Implemented open source base monitoring tool Nagios 3.0 for servers, SAN switches, EMC SAN Storage and VMware ESX and ESXi.
* Administering our production and non-production Linux servers.
* Creating TCP and UDP in client network systems using Iperf.
* Perform security patching of Linux servers
* Creating maintaining user profiles, security, rights, Backups of data and Disaster Recovery.
* Creating, Mounting and unmounting new File systems.
* Networking concepts which included configuring cabling and switch configuration.
* Supporting the interface needs of new development initiatives.

**Environment:**redhat Linux 4,5 and OEL-5.5and 6 ,Sun Solaris 9/10 ,Suse Linux 9 and 10 AIX 5.3 ,SAN, Samba, NFS, VMware ESX and VM ware server ,Apache ,Tomcat and Jboss , Oracle Cluster , Web sphere servers, EMC Power path and SAN storage.

**NATION WIDE INSURANCE, COLUMBUS, OH Aug 2011 – Mar 2013**

**Linux/Unix Administrator**

Nationwide Mutual Insurance Company & Affiliated Companies is a group of large [U.S.](http://en.wikipedia.org/wiki/United_States) [insurance](http://en.wikipedia.org/wiki/Insurance) and [financial services](http://en.wikipedia.org/wiki/Financial_services) companies based in [Columbus, Ohio](http://en.wikipedia.org/wiki/Columbus,_Ohio). Nationwide Financial Services (NFS), a component of the group, was partially floated on the New York Stock Exchange prior to being repurchased by Nationwide Mutual in 2009.

**Responsibilities:**

* Installation, Configuration & Upgrade of Linux (RHEL 5,6) , Solaris 8.0, 9.0.
* Installation and configuration of Red Hat Enterprise Linux and Windows Virtual machines using PXE Boot, for the disaster recovery project.
* Configured Solaris Jumpstart Server. Maintained Server 6.0. Backup data of Servers using VERITAS Net Backup.  Maintained Security of the Solaris Servers.
* Configuration of VERITAS Cluster Server, Service Guard from the scratch and maintained service group/packages for failover and redundancy purpose.
* Installation and configuration of RHEL servers using kickstart installation.
* Installation & configuration of VMware ESX 3.5 Servers, VMware Virtual Infrastructure Server, VMware License Server and VCB Setup.
* Performed and maintained AIX.
* Installing ESX operating systems on the physical servers for VMware virtualization.
* Adding Data stores, creating clusters, adding ESX hosts to the clusters in a Data center in VCenter Server.
* Create Guest OS RedHat Enterprise Linux and make readymade Golden Image/Template using VMware Virtual Infrastructure Client.
* Enabling HA, DRS EVC, for the Clusters in the VCenter Server. Creating Host profiles and applying the host profiles to the ESX hosts.
* Create Guest OS RedHat Enterprise Linux and make readymade Golden Image/Template using VMware Virtual Infrastructure Client.
* Setting up installable image of AIX operating system.
* Controlling Networking traffic using packet analyzers such as TCP/IPdump
* Migrate Guest OS and clusters from VMware ESX 3.0.0 to VMware ESX 3.5.
* Setup and configured Dell MD3000 SANs to work with VMware ESX servers.
* Perform security patching of Linux servers
* Established network security using Linux Firewall and troubleshoot problems relating to boot loaders (GRUB, LILO).
* Worked on Solaris 10 container technology, configured separate zones for various applications.
* Involved in Implementing and Administrating enterprise level data backup and recovery.
* Designed and Implemented Backup solution for the Network.
* Managed the entire infrastructure with puppet by setting up puppet master and slaves.
* Enterprise resource planning included ITIL processes, such as Configuration Management, Change Management, Problem management and Incident Management
* Installed and configured file and Application servers running on Sun servers
* Configuring and maintaining network services such as LDAP, DNS, NIS, NFS, Web, Mail, FTP
* Implementation of RAID 0/1/5 for creation of logical volumes using VERITAS Volume Manager in SAN Storage Area Environment.
* Using Korn shell, Perl and CVS (Harvest), Hudson, Maven   Version Control to automate deployment of J2EE applications to Mid Tier platforms.
* Used bash, awk, and sed to automate most of the daily activities like log monitoring, log rotation and purging, proactive systems monitoring including disk error detection.
* Managed Network troubleshooting applications TCP/IP including Ethernet, IP addressing & Sub netting, routing
* Worked on creating user accounts, user administration, local and global groups on Solaris platform
* Created User Accounts and Network Shares. Configured SUN Workstations as Domain Clients.
* Administrated NFS, NIS, DHCP and DNS Samba services running on Sun Solaris and RedHat Linux.
* Worked with Storage team to configure EMC SAN, NAS and iSCSI configuration.
* Managed Users for Solaris, RHEL and Linux Servers and assigned rights to access network resources.

**Environment:** Linux, Windows (NT/2000 Servers), HACMP, UNIX,Solaris, Tivoli SM, LPAR, VeritasNetbackup, Scripting (korn).

**Telcordia Technologies, Piscataway, NJ Aug 2009 – July 2011**

**LINUX Administrator**

Telcordia Technologies is a leading global provider of telecommunications software and services for IP, wireline, wireless, and cable networks. The company delivers flexible, standards-based solutions that optimize complex network and business support systems, enabling customers to manage, transform and grow their businesses.

**Responsibilities:**

* Installation, Configuration and upgrade of CentOS and Solaris 8/9.
* User Administration, management and archiving.
* Configuring NFS, NIS, NIS+, DNS, Auto Mount & Disk Space Management on SUN Servers.
* Experience in Configuring and Managing Virtual Disks, Disk Mirrors & RAID Levels.
* Data Center Migration support for CX, DMX attached hosts.
* Worked with OVF "Open Virtual Machine Format" supported tools VirtualBox, RedHat Virtualization (XEN), and VMware Workstation.
* Installation, Configuration and Maintenance of Samba, Apache Tomcat, Web Sphere and Jboss servers in Sun Solaris and Linux environment.
* Migration of existing Solaris based Netbackup environment to CentOS 5.5.
* Upgraded Netbackup 5.1 environment to 6.5.4, and then to 7.0.1.
* Developed automated processes that run daily to check disk usage and perform clean up of file systems on UNIX environments usingshell scripting and CRON.
* Experience in storage administration support with EMC Symmetrix / DMX, Clariion, NetApp NAS filer and Brocade / Cisco Fiber Switchesfor zoning purposes.
* Troubleshooting host-based connectivity issues related to EMC software like PowerPath, Navisphere, ECC client software and third-party HBA's (Emulex and Qlogic).
* Emulex and QLogic HBA cards installation and configuration of the host servers.
* Implemented Puppet configuration management system for Linux servers, and wrote rulesets to automatically configure CentOS systems
* Perform security patching of Linux servers.
* AIX system administration and management .
* Created shell scripts and updated the scripts as per the requirement.
* Implemented rapid-provisioning and life-cycle management for Red Hat Linux using Kickstart and Puppet.
* Making new virtual servers with Linux and Windows server OS
* Patch management for Linux, AIX, Solaris and windows.
* Experience with Connectrix Manager and Data Fabric manager, Zoning, LUN allocation and Storage allocation to storage groups.
* Expertise in Performance Monitoring and Performance Tuning using Top, prstat, sar, vmstat, ps, iostat etc.
* Server Consolidation and Migration of Applications on Oracle Enterprise and Java Applications.
* SENDMAIL configurations and administrations, testing the mail servers.
* Creating new file system, managing & checking data consistency of the file system.
* Setup and configure VeritasNetBackup 5.x, 6.x and 6.5x Net Backup server / client &tape libraries.
* Monitor, Modify and Optimize NetBackup activity, backup schedules and reporting to proactively avoid issues.
* Disk and file system management through Veritas Volume Manager / Veritas File System and Solstice Disk Suite.

**Environment:** redhatLinux , Web Sphere, VirtualBox, RedHat Virtualization (XEN),Solaris 8/9, ,Apache Tomcat and Jboss , Oracle Cluster.

**ICICI Bank INDIA Mar 2007 – July 2009**

**Linux System Administrator**

**Responsibilities:**

* Installed RedHat Linux Enterprise Server 5.3 and 5.4 on HP Servers using Kickstart at different Merck sites around the world in VMware and Physical Servers.
* Installed and maintained several Linux and Windows servers on virtual environment.
* Created mount points for Server directories, and mounted these directories on the Servers.
* Diagnosed and troubleshoot software and hardware related problems.
* Implemented & installed  RedHat AS 4.0/3.0operating Systems on LPAR using HMC. Good knowledge of installing UNIX based operating systems on LPAR.
* Installed and deployed operating system and security related patches and fixes.
* Performing NIM Installations of LPARs and DLPARS.
* Monitoring the performance and throughout or load on a server, server farm, or property.
* Performance tuning of activities to ensure the most efficient use of existing infrastructure.
* Experience in HMC administration, code update and taking HMC console backups.
* Setting up installable image of AIX operating system on master server and apply it on new clients.
* Deploying the Virtual I/O Servers and Clients on P Series.
* Assigning storage luns from the VIO server to VIO clients.
* Experience in AIX system backup and restores through different methods like conventional mksysb on tapes, mksysb through NIM, sysback through TSM and NIM.
* Good knowledge of Hardware management console HMC: update HMC code; manage HMC Users, Configure Network setting for HMC.
* Good working knowledge of installing, configuring, and upgrading IBM Blade Center’s Management Module.
* VMware virtual guests running Linux.
* Implemented, installed and supported High availability Cluster HACMP 5.3 on IBM PSeries platform.
* Developed Shell scripts for automating the batch jobs.
* Involved in Storage management, LVM, File system management, User account management, data backups and user’s logon support.
* Involved in testing of products and documentation of necessary changes required in this environment.

**Environment:** Redhat Linux , Sun Solaris,Suse Linux , AIX,SAN, Samba, NFS, VMware ESX and VM ware server ,Apache ,Tomcat and Jboss , Oracle Cluster , Web sphere servers.