**Ravi Kumar Singh**

**2+ Years of Experience in Linux Administration**

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***PERSONAL SUMMARY***

I focus on working in a company that encourages new ideas and an inventing attitude, where I can implement my diverse skills and professionalism to achieve winning edge for the organization. Good Team Player as well as an independent worker, flexible and easily adapts to new concepts and responsibilities and can manage multiple tasks simultaneously.

***AREAS OF EXPERTISE***

|  |  |
| --- | --- |
| * SENDMAIL | * SAMBA |
| * DNS | * NFS |
| * NIS | * KERBEROS |
| * APACHE | * LDAP |
| * LVM, RAID * TAPE LIBRARY | * DISK QUOTAS * SAN NAS |
| * DHCP | * ESX, VMOTION |

***CAREER HISTORY***

CUSTOMER SUPPORT- EXECUTIVE

TATA ELXSI LIMITED

(Sept 2012 – Present)

At Tata Elxsi's SI practice, we design total integrated solutions by leveraging our core expertise in the areas of design tools, visualization, advanced compute infrastructure, networking and storage systems.

***Duties***

* Installing of Redhat Linux, UNIX operating systems like RHEL 5.X, 5.0 6.X. and ESXi 5.5.
* Install and maintain security patches on the operational and development system, which includes but is not limited to, Red Hat Linux, CentOS, Windows 2008
* Report Security Patch compliance in Online Compliance Report System (OCRS).
* Perform 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.
* User Administration: add/delete/modify users & user groups and respective privileges and resource permissions using SUID,SGID and Sticky bit.
* Implementing Quota on file systems, ACL’s for the files & directories and Ethernet Bonding.
* Configuring YUM for patches download and system upgrade.
* Installing Red hat Linux OS using cd/dvd, NFS, Kick-Start, PXE-boot.
* Maintaining FTP server.
* Monitoring Network using NAGIOS.
* Modifying and Troubleshooting for DNS Server ( add/ delete Hosts).
* Configuring and Managing LVM, RAID.
* Troubleshooting NFS, FTP, DNS, Apache, mail server and SSH related problem.
* Moving VM’s from one ESX to another ESX and one data store to another data store.
* Installing and Managing VCENTER server to manage multiple ESX servers.
* Configuration and maintenance of FTP server using vsftpd as well as Responsible for NFS server, which will mount the file system automatically each time when the system starts, and also well acquaintances over Autofs to mount NFS file system on demand. Maintenance of File sharing between Linux and windows through Samba.
* Restore and Backup configuration on servers.
* Responsible for configuring, maintaining and troubleshooting Sendmail Server, Configuring IMAP and POP.
* Configuring kdump and crashdump to find out the root cause of system crash and redirecting logs on centralized log servers for trouble shooting.
* Perform regular security monitoring to identify any possible intrusions.
* 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.
* Perform regular file archival and purge as necessary.
* Create, change, and delete user accounts per request as necessary.
* Repair and recover from hardware or software failures.  Coordinate and communicate with impacted constituencies.
* Providing L2 support of Redhat Linux, CentOS, IRIX Unix,
* Troubleshooting and providing technical support assistance to customers via phone, web based tools and email and if required visiting the client site.
* Installation of Operating System over network or via Redhat satellite server.
* Configuration and Support for DNS, NIS, DHCP, FTP, NFS, SAMBA.
* Setting up and providing support for Sendmail, DNS.
* Configuration of Shared iSCSI Protocol- Linux.
* Basic Understanding of LDAP.
* Maintenance, Configuration and troubleshooting of monitoring tools like Ganglia and Nagios.
* Mounting &Building up HPC Environment, as per customer requirement.
* Installation of Rocks Cluster.
* Handling L1 escalation for HPC customer.
* Installing ESX/ESXi 5.0/5.5 , Configuring V Center Server, Configuring NAS Storage using open filer, Maintaining VMware server using VMware vSphere.
* Configuring and troubleshooting AUTOFS file system and XEN Virtualisation, SELinux.
* Creating Virtual Machine and Configuring ESX High availability and DRS.
* Securing Linux using Iptables , Pam, CA server, Kerberos ,SSL
* Troubleshooting, Mounting and NFS share.
* Suggesting customers regarding the product's proper use as well maintenance.
* During problem escalations, act as a liaison between customers and above support.
* Assisting the customer base during installations.
* Familiarity with System Management software or tools like- IPMI
* Hands of Experience in Data Center Management.
* Apply OS patches and upgrades on a regular basis, and upgrade administrative tools and utilities. Configure/add new services as necessary.
* Upgrade and configure system software that supports infrastructure applications or Asset Management applications per project or operational needs.
* Maintain operational, configuration, or other procedures.
* Perform ongoing performance tuning, hardware upgrades, and resource optimization as required.  Configure CPU, memory, and disk partitions as required**.**

***Technical Skill:-***

* Knowledge of Server Hardware like - HP IBM Dell Fujitsu.
* Knowledge of Different Switches like Layer 1 or 2 or above , Infiniband Switches.
* Basic Knowledge of Quantum Tape Library as well as Backups.
* Understanding of SAN NAS- EMC Storage Hardware Installation.
* Understanding of vMware, Solaris, Monitoring Tools.

***EDUCATIONAL QUALIFICATIONS***

* Master of Business Administration from Ramaiah Institute of Management, Bangalore, Annamalai University. Academic Period : (2009 -2011).
* Bachelor of Computer science (BCA) from Bihar National College of Patna, Patna University. Academic Period: (2005-2008).
* Higher Secondary School (Arts) from Kendriya Vidhalaya CBSE Board. Academic Period: (2004-2005).
* High School from Kendriya Vidhalaya School, CBSE. Academic period: (2002-2003).

***PERSONAL DETAILS***

* Father’s Name : Vishwa Bandhu Singh
* Mother’s Name: Malti Devi
* Marital status : Single
* Nationality : Indian
* Passport : Applied
* Pan Card: DCRPS6194D
* Languages Known : English, Hindi,