Suraj Ram

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 **DevOps/Cloud Engineer/ Linux Administrator**

**SUMMARY**

* Over 7 years of experience in **implementing**, **delivering**, **integrating** and maintaining infrastructure in **Linux**/**Windows** Environment focusing on configuration, **Build** and **Release** engineering also **cloud** infrastructure with automation following **Agile** methodology.
* Experience in understanding cloud (**compute**, **storage**, **networking**) application architectures on **OpenStack** to ensure easy **monitoring** and high **availability.**
* Configuring various **AWS** services like **VPC, EC2, IAM, ELB, RDS, S3, SNS, SQS, Route 53, Lambda, Cloud Front**, **Cloud** **Formation** and **Cloud Watch**. Worked in designing and configuring Cloud automation using **AWS** Cloud Formation templates and experience in working with Amazon **Identity & Access Management** console to create custom users and groups.
* Experience in installing and configuring of **Kubernetes**, **clustering** them and managing local deployments in **Kubernetes.** Worked on installing Docker and containerization using several **Docker** components like Docker **Engine**, **Docker** **Hub**, **Docker Machine**, creating Docker **images**, deployment of **Docker** images in different environments, Compose, **Docker** Registry and handling multiple images primarily for **middleware** installations and **domain** **configurations**.
* Experience in developing **Helm** **charts** for **OpenStack** and **Airship** components, **OpenStack** Infrastructure as a service (**IaaS**) and cloud computing concepts Knowledge in Implementation of horizontal auto-scaling use cases using **OpenStack** components Heat, **Ceilometer** and Worked on **OpenStack** compute Nova as a cloud fabric controller as part of **IAAS** system. Experience in deploying and troubleshooting of **OpenStack** components like **Nova**, **Neutron**, **Keystone**, **Cinder**, **Swift**, **Glance** and **Heat**.
* Experience using **Ansible** **Tower**, which provides an easy-to-use dashboard, and role-based access control, so that it's easier to allow individual teams access to use **Ansible** for their deployments.
* Implemented **Continuous Integration and Continuous** **Delivery** **pipeline** using **Jenkins** which is integrated with Version control tool GIT and build tools like **MAVEN** and **ANT** and saving artifacts in **Nexus** and AWS AMI's and worked on building and maintaining **Docker** and **Vagrant** infrastructure in agile environment.
* Having good implementation experience with installation and configuration of **Kubernetes**, clustering them and managed local deployments in **Kubernetes**
* Hands - on experience in installing **Ansible**, writing Ansible playbooks to integrate **Ansible Tower**as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications, and proactively manages change.
* Experience on **open stack** security by prioritizing, bug fixing depending upon the status. And in the process of bug fixing, analyzed debugging status levels based on **open stack** threat modelling.
* Worked on automation and continuous integration and continuous deployment pipelines using **DevOps** tools such as **Chef**, **Jenkins**, **GitHub**, and**Cloud Foundry** and Automate administration tasks through use of scripting.
* Installed and configured Chef-server, wrote Recipes, Cookbooks and uploaded them to **Chef-server**, Managed Applications in different environments, Services, Packages as well as managed **AWS services** like **EC2, S3, Route53** & **ELB** using **Chef** Cookbooks.
* Written scripts in **Chef/Puppet/Ansible** Modules to manage configurations and automate installation process and to automate application servers like **Tomcat, JBOSS**, **WebLogic** and **WebSphere** for deployments
* Worked on automation of activities through **Python** script**, Bash** script. Logs file analysis (troubleshooting) to resolve issues using **python** and **ruby scripts**.
* Extensive experience using **MAVEN** and **ANT** as build tools for the building of deployable **artifacts** jar, war & ear from source code and Worked in version control systems like **GIT** and **SVN** for continuous integration management using **Jenkins**.
* Worked on implementation and maintenance **FTP**, **DNS**, **LDAP**, **Tomcat** & **Apache** web servers on Linux servers and installation and configuration of **Apache**, **BEA WebLogic**, **LDAP**, and mail servers.
* Installation, Configuration and Management of **RDBMS** tools such as **SQL Server, MySQL, DB2, PostgreSQL, MongoDB & Cassandra.**
* Designed and configured puppet modules and written manifests to automate deployment of configuration and software for cloud like **OpenStack** Control Plane and written manifests, Recipes and **Ruby** scripts to customize the **Puppet, chef** as per our environment.
* Extensive experience in working on Network configuration protocols like **DNS**, **DHCP**, **LDAP**, **postfix**, send mail and creating **Subnets**, IP Tables, **Firewall** rules, **Load** **balancers** and configuring pools.

**EDUCATION**

**Bachelor of Engineering in Computer Science from JNTUH - 2013**

**TECHNICAL SKILLS**

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| --- | --- |
| **Operating System** | RHEL/CentOS 5/6/7, Ubuntu/Debian/Fedora, Solaris 7/8/9/10, Windows Server 2003/2008/2012 |
| **Cloud Platforms** | AWS, Microsoft Azure, Open stack. |
| **Virtualization/ Containerization**  | VMware vSphere 5.5/6.0, vCenter Server, Citrix – xen, Docker, Pivotal Cloud Foundry, Vagrant  |
| **Configuration Management** | Ansible, Chef, Puppet, Salt stack |
| **Build Tools** | Maven, ANT, Gradle, Bamboo, Jenkins, Zuul |
| **Languages** | Bash, Perl, Python, Ruby, Groovy |
| **Databases** | Cassandra, MSSQL, MongoDB, Oracle, PostgreSQL  |
| **Web/App Server**  | Apache, JBoss, IIS, HIS, Tomcat, WebSphere Application Server |
| **Bug Tracking Tools**  | Bugzilla, Crucible, Fisheye, HP quality center, IBM Clear Quest, JIRA, Rally, Remedy |
| **Version Control Tools**  | Subversion, GIT, Tortoise SVN, Visual SVN, Gerrit |
| **Web / Programing Languages** | Servlets, JDBC, JSP, XML, HTML, .Net, Java Script, Java/J2EE, C, C++, Ruby, Perl, Python, Shell  |

**PROFESSIONAL EXPERIENCE**

**EBay (San Jose, CA) Nov 2019 – Present**

**DevOps Engineer/Cloud Engineer**

* Developed **Ansible** Playbooks for **MuleSoft**, using **Ansible** Tower as Configuration management tool and developed and updated Puppet Modules for middleware application to build Super stacks for **MQ 8.0, 9.0, 9.1**, and ForgeRock **IDM 6.5** and **ForgeRock OpenDj 6.5** on Puppet Masterless server.
* Worked on **Jenkins** to build and test the **Puppet** modules before deploying using **Puppet** Enterprise and wrote **Ansible** Playbooks to deploy the applications developed using **Puppet** on to the user environment.
* Involved in **Jenkins** setting up **CI** for securing **Jenkins**, plugin management, build automation, and new branches and setting up master, slave configurations.
* Experienced in Monitoring tools using **Splunk**, **Nagios** and **Zabbix** and Implemented rapid-provisioning and lifecycle management for CentOS Linux using Amazon **EC2**, **Chef**, and custom **Bash** Scripts.
* Installed and configured an automated tool **Puppet** that included the installation and configuration of the **Puppet** master, agent nodes and an admin control workstation and worked on setting up Development **administration/monitoring/reporting** using **Puppet** and designed and implemented **Puppet** templates.
* Manage **artifacts** generated by Jenkins and involve in creating deployment, build scripts and automate solutions using **shell** script and **Python**.
* Worked on Setting up **Auto** **scaling** of the instance group using **AWS** command line tools and for **Dev**, **QA** environments. Implement continuous integration and continuous deployment to build and deploy **AWS** cloud solutions.
* Experience in environment provisioning solutions using **Docker**, **Vagrant** and implemented Continuous Delivery Pipeline with **Git**, **Jenkins**, and **Docker.**
* Installed and configured **Jenkins** with **SonarQubes** and **GIT** by installing **GIT** plugins and building the artifacts using **Maven** automation tool and storing the build artifacts into **Nexus** repository and deploying it to WebSphere server.
* Automate the Version Control System **GIT** to update the various code changes like **branching**, **merging**, **staging** and cherry picking in order to allow continuous integration.
* Written **Ansible** Playbooks and Scheduling jobs using **Ansible** Tower. Create inventory, job templates and writing **python** modules for **Ansible** customizations.
* Worked on Continuous Delivery pipelines with **Docker**, **Jenkins** and **GitHub** and **AWS AMI's** and integrated Amazon Web Services Cloud Watch with **AWS EC2** instances to monitoring the log files and store them and track metrics of system performance.
* Built deployment pipelines using **Jenkins** as a frontend for continuous deployment to local staging and test environments and to Development environments on demand, using a combination of **Ruby**, Ansible, **AWS** tools, and **python** scripting.
* Develop **micro services** on boarding tools leveraging **Python** and **Jenkins** allowing for easy creation and maintenance of build jobs.
* Deploy the whole integration on a 5 node **Kubernetes** cluster with 3 control nodes and 2 compute **nodes**.
* Built a new pipeline and used **Docker** for virtualization of servers for test environments and dev-environment needs and configuration of automation using **Docker** container, **Jenkins** and **puppet**.
* Create **Jenkins** file under **groovy** language to automate the image build process for the components required in integration pipeline and Publish the stable **manifest** with every successful deployment also publish logs from all the **pods** to **Artifactory**
* Implement **Kubernetes** to deploy scale, load balance and manage **docker** containers with multiple namespace versions and Configure the monitoring and alerting tools according to the requirement like **Kibana** and **Grafana**, setting up alerts and deployed multiple dashboards for individual applications.
* Configured local **Maven** repositories and multi-component **ANT** projects with Nexus repositories and scheduled projects in **Jenkins** for continuous integration. Created hooks and managed permissions on the branches for **GIT**
* Automate and configure the server with **chef** and **ansible** and Develop and debug **puppet** manifests and with extensive debugging over issues monitor deployments.
* Automate the deployment templates for relational and **NoSQL** databases including **MSSQL**, **MySQL**, and **MongoDB**.
* Create **Kubernetes** cluster with **Pods** and **ConfigMaps** and created reusable builds of the **Kubernetes** applications.
* Automation of deployment of **AWS** services using **shell** scripts and Implemented Cloud Infrastructure as a Service environment using **AWS** to enable portability of cloud services across hybrid cloud environments.
* Configured **Nagios** to monitor **EC2** Linux instances with **puppet** automation and configured **Apache** webserver in the Linux **AWS** Cloud environment using Puppet automation.
* Performed **branching**, **tagging**, **releasing** and maintaining the versions across the environments using version control systems like **GIT** and **Subversion** (SVN).
* Worked on **AWS** for deploying **EC2** instances consisting of various flavors **RHEL**, **CentOS** and **Ubuntu** in **Linux** and Windows 2008 and 2012 and setting up instances behind the Elastic **Load** **Balancer** for **high** **availability**

**Electrolux (Charlotte, NC) April 2018 – Oct 2019**

**DevOps Engineer/AWS Engineer**

* Designed and Configured Public cloud **AWS** resources like EC2 instances, S3, **ELB**, AMI’s for high availability and backup, auto scaling for designing cost effectiveness, fault tolerant, highly available systems. Also, supported in Configuring **Security Groups** for EC2 instances, which acts as virtual firewalls to control the incoming/outgoing traffic.
* Created templates using AWS **Cloud Formation Template (CFT)** to launch AWS resources such as EC2, S3, Security Groups, EFS, ELB’s, Auto scaling, Target groups to provide high availability and for Disaster recovery (DR).
* Involved in creating **LAMP** stack image in multitier **AWS** instances in different subnets in **Amazon VPC**, attached **SG** and **ACL’s** to maintain **high security** and **Manifests**.
* Wrote **Python** scripts to parse **XML** documents and load the data in database and Worked on various applications using python integrated IDEs **Eclipse**, **PyCharm**, Sublime, **Pystudio**, **Pyscripter** and **NetBeans**.
* Involved in Migration of Private cloud **VMware** to public **AWS** by exporting VM into **VMDK** format into S3 bucket and wrote **JSON** scripts to create policies and Roles. Launch EC2 instance from AMI’s and Managed **SAN** Data stores with **iSCSI, NFS**.
* Deployed **CI/CD** pipelines using **Jenkins** as a frontend for continuous deployment to local staging and test environments and to production environments on demand, using a combination of **Ansible Play Books, AWS, and python** scripting**.**
* Created and maintained the **Shell**, **Perl** deployment scripts for **Web** **Logic** web application servers and also developed **Perl** and **shell** scripts for automation of the build and release process.
* Created **Docker** images using a **Docker** file, worked on **Docker** container snapshots, removing **images** and managing **Docker** volumes also deployed **Docker** Swarm using **Ansible**.
* Developed views and templates with **Python** and **Django's** view controller and templating language to created user-friendly website interface and Worked on **python**-based test frameworks and test-driven development with automation tools.
* Implemented Ansible Playbooks using **YAML** scripts for launching different **EC2** instances in the cloud using Auto-scaling and **Amazon Machine Images (AMI’s)** used **Ansible** Playbooks to automate the Build of **Docker** Image, Utilized **Jenkin**s to Auto push to **Docker HUB**, Automated the infrastructure downloaded and managed **Ansible** roles from **Ansible** Galaxy.
* Developed **Jenkins** scripted pipeline in groovy DSL to generate the **Docker** Images of the successful build artifacts and integrated **Kubernetes** with Jenkins to perform rolling deployments of patched Docker Images.
* Installed and Administered **Kubernetes** for container management, developed platform to host Micro services with Kubernetes multi Master setup, Consul cluster for service discovery, Nginx Plus as the API Gateway.
* Worked on **Ansible** to spin up **Jenkins** server with all the dependencies like multiple **Java** versions and **Jenkins** dependencies and Managing the configurations of multiple servers using **Ansible.**
* Used Jenkins for managing Build, Test and Deploy chain, **SVN, GIT** with **Dev, Test, and Prod** Branching Model for multiple releases. Analyzed and tested source code using **SonarQube** and automated the test using the **selenium.**
* Configured Continuous Delivery pipeline with **Docker**, **Jenkins** and **GitHub** and **AWS AMI's** and integrated AWS Cloud Watch with **AWS EC2** instances for monitoring the log files, store them and track metrics of system performance.
* Responsible to building and deploying code in different environments like **DEV, Testing, Staging** and Production using **Jenkins, Docker, Kubernetes** and **ARM, CHEF** and **Ansible**. Automated deployments, scaling, and operations of application containers across clusters of hosts, provided container-centric infrastructure by **Kubernetes**.
* Worked on Configuring and managing an **ELK** stack, setup the Elastic search **ELK** Stack to collect, search and analyze log files across the servers. Evaluated system logs using **ELK** Stack. Wrote Python scripts for pushing data from **DynamoDB** to **MySQL Database**.
* Experience in Atlassian Tools like **JIRA**, **Confluence**, **Bitbucket**. Integrated confluence with **JIRA** with plug-ins to provide and optimum user experience.
* Installed and configuring the **RPM** packages using the **YUM** package manager, **JBOSS**, **Apache** **Tomcat**, and **WebSphere**. Configured logical volumes using logical volume manager (LVM) and configured mirroring.

**Ericsson Inc (Plano, TX) Aug 2017 – April 2018**

**Cloud/DevOps/ System Engineer**

* Involved in designing and deploying multitude applications using most of the AWS stack like **SNS, EC2, Dynamo DB** **Route53, S3 buckets, RDS, SQS, IAM, VPC, EBS** focusing on high-availability, fault tolerance and auto-scaling.
* Configured cloud architecture using AWS resources such as **VPC, Subnets, Route tables,** **Internet Gate way,** **EC2, S3, RDS**, **Load Balancer**, Auto Scaling with **AWS** command line interface and **AWS** python SDK.
* Designed and utilized AWS **EC2** instances utilizing **Auto Scaling, Elastic Load Balancing** and Glacier for storage in all environments such as DEV, QA and UAT environments as well as infrastructure servers for **GIT** and **Chef**. Created **Jenkins** job to build the artifacts using **maven build tool** and deploy the Terraform templates to create the stack.
* Managing **AWS S3** buckets to perform folder management in each bucket, managed cloud trail logs and objects within each bucket and created Highly Available Environments using **Auto-Scaling**, **Load Balancers**, and **SQS.**
* Utilized **Jenkins** for enterprise scale infrastructure configuration and application deployments - checking out code from **SVN/GIT** and use **Ant/Maven** to build artifacts (Jar/War/Ear).
* Used **Docke**r for virtualization of servers for test environments and dev-environment needs and configuration of automation using **Docker container**, **Jenkins** and **puppet** and Building a new pipeline.
* Implement continuous integration **web hooks** and workflows around **Jenkins** to automate the dev test deploy workflow around **chef** codebase. Experience using **OpenShift** enterprise and deployed applications using **Docke**r containers in the cloud with **PAAS.**
* Worked on developing internal testing tools which were written in **Python** and front end of the application using **Python**.
* Managed the Private Cloud Environment using **Chef**. And Maintaining and developing infrastructure using **Chef**, **Jenkins,** and multiple **AWS** tools like **OpsWorks** and **Code deploy.**
* Managing application updates using **Jenkins**, Installed **Chef** server Enterprise On-Premise, Workstation, Bootstrapped the Nodes using **knife** and used **Puppet** modules and **Chef** Cookbooks to automate application installation and configuration management.
* Used to Manage both enterprise as well as on premise **chef** server and installed **chef** client using bootstrap script and created run list using **JSON** for provisioned. Implemented the **Chef** Software setup and configuration on **VM'**s from the scratch and deployed the run-list into chef-server and bootstrap the chef clients remotely.
* Installed and configured **Jenkins Plugins** for **GIT** Repository, Setup **SCM** Polling for Immediate Build with Sonar Type **Nexus** antifactory repository and deployed Apps using custom modules through **Chef.**
* Managed deployment processes via **DMS** and Puppet and involved in several prod implementations, carried out builds and deployments on different environments using **CI** tool **Puppet.**
* Written **Puppet** manifestation on conditional expression based on agent specific data which is available through Factor. Responsible for setting up server monitored in **Zabbix** and **solar wind** using **Jenkins** & **puppet**.
* Monitoring applications on **WebSphere** app server, integrated configuration of web apps with **WebSphere**, troubleshooting, monitoring, capacity planning, performance tuning, security and maintenance of applications deployed on **Tomcat**, **WebSphere**, and **JBoss** application servers.
* Involved in Creating volume groups, logical volumes and Filesystems. Extending and managed partitions with **LVM** depending on the memory. Added storage to the cluster disks and increase, decreasing the disks in the **Linux** server.
* Maintaining and Configuring of Network File Systems like **NFS** and Auto mount in networks to access files between Linux servers. Used various network protocols like **HTTP, UDP, POP, FTP, TCP/IP, and SMTP.** Worked on **creating user accounts**, user administration, local and global groups on **UNIX/LINUX platform.**
* Used **bash, shell** scripting to schedule and automate processes including full and **incremental backups** using **tar** **migrate** and enlarge file systems. Extensive experience in **network management TCP/IP, NIS, DNS, NFS, VLAN.** Experienced with **TCP/IP** networking tool using them in network configuration, maintenance and troubleshooting.
* Used to Monitor **CPU**, memory, **iSCSI** disks, disk controllers, physical disk, **HW** and **SW RAID**, multipath, file systems, network using the tools **NAGIOS** and BMC Tools.

**Syntel inc (Schaumburg, IL) Jan 2016 – July 2017**

**DevOps Build Release Engineer**

* Installing and configuring **Jenkins** for Automating Deployments and providing a complete automation solution, designed, and implemented CI/CD pipeline using **Git**, **Jenkins**, private registry, **JFrog** and **OpenShift.**
* Migrating of code from **SVN** to **GIT**. Creating **GIT** repositories and specified branching strategies that best fitted the needs for the client. Configuring local **Maven** repositories and multi-component **ANT** projects with **Nexus** repositories and scheduled projects in **Jenkins** for continuous integration.
* Worked in **Agile** Methodology and Participated in Scrum meetings for the delivery of product in time. Performed day-to- day **Git, Bitbucket** functions for the project like merging, creating branches and tags using Git **GUI, Git Bash SVN/ Visual SVN**.
* Using **python** and **shell script** in **WebLogi**c Implemented **zero downtime** deployment process and automated it using Jenkins. And managed version control tool **Git** to version code changes to help **developers, programmers branch/merge/revert code.**
* Installing and configuring **Jenkins** with **GIT, JUnit** and with **UDeploy** andbuilt the artifacts using **Maven scripts** and stored the artifacts into **nexus** repository.
* Designed **VMware vSphere** storage configuration using **SAN, ISCSI, NFS.** Worked on Fiber Channel switches and familiar with all storage protocols
* Installed, configured the Volume/File system management using Veritas Volume Manager, Logical Volume Manager **(LVM),** Solaris Volume Manager (**SVM),** **ZFS** Filesystem Management and **VERITAS** File System.
* Creating and managing of user’s and group’s' accounts, passwords, profiles, security (**ACL, Disk Quota, and PAM**), permissions, disk space usage and processes.
* Installing and configuring Red Hat **Linux**, Solaris operating system using **kickstart**, **Jumpstar**t servers.  Implemented **SUDO, SSH** and other security tools and security compliance.
* Responsible for administration using **UNAB** (UNIX Authentication Broker) and **CA** Control Minder tool for Linux and Solaris user accounts. This Provides integration into company **Active Directory, LDAP** environment.
* Worked in **DNS, NIS, NFS, FTP, NIS, Samba Server, LDAP, remote access, security management,**and system troubleshooting skills.
* Wrote **Shell scripts** using **ksh, bash, perl,** for process automation of databases, applications, backup and scheduling.
* Hands **Ksh, Bash, Perl Shell Scripting** to automate system administration tasks using Performed routine monitoring of systems for availability, performance and capacity planning. Reported on key metrics governing the operation of all systems.

**Cyret Technologies Pvt. Ltd (Hyderabad, India) July 2014 – Dec 2014**

**VMWare Administrator /System Administrator**

* Managing **ESXi** Hosts and Virtual Machine migrations between Development, **Integration**, and **Production** environments and across Datacenters.
* Involved in design, implementation, and maintenance of current large-scale physical and virtual consolidated infrastructures as well as with the design, test and implementation of future technologies within virtual space.
* Installation and configuration **RHEL, Solaris, Windows Servers**. Monitoring, analyzing, responding to security events utilizing security event management and reporting tools. Account, user and group administration, Permissions policy management and quota implementation.
* Management of Firewall, iptables. Implement and maintain server virtualization using **VMware, ESXI, Oracle Virtual Manager.**
* Implemented and configured brand-new **VMware** virtual infrastructure cluster running on servers and a storage array. Coordinated with application team in installation, configuration and troubleshoot issues with **JBoss** servers. Installation and configuration of database systems e.g. **MySQL, Oracle**. Involved in creating virtual machine using Oracle Virtual Manager, creating server pool, VM cloning.
* System monitoring and remote connection management using telnet and**SSH**connections. Experience in setup Storage Area Network **(SAN) and NAS** and file system backup and restore.
* Contribute to and maintain system and server standards. Provide and deploy new network servers, systems and communication platforms.
* Strong user, trainer and administrator of software for network servers, desktops and laptops. Capable of selecting, procuring, installing, integrating, configuring, using, administrating, troubleshooting, supporting, teaching and optimizing performance operating systems and applications such as windows **workstation server, word, Excel, AutoCAD.**
* Work with storage team to create **LUNs/NFS** and Map it to **VMware** **vSphere ESXi** hosts. Work with storage team to create **LUNs/NFS** and Map it to **VMware vSphere ESXi** hosts.

**Selectsys Pvt Ltd (Hyderabad, India) May 2013 – June 2014**

**Linux Administrator**

* Installed, configured, and administered **Redhat Enterprise Linux 5.x, 6.x.** and Installed, Configured and Maintaining of **RedHat Enterprise Linux 3.0, 4.0, 5.X.**
* Using **Logical Volume Manager** for dynamically extending and reducing partition sizes as when the need arises. Increasing the size of the file systems. Exposure to managing servers remotely using **DRAC, ILOM, VNC.**
* Implementing **Quota** on file systems & **ACL’s** for the files & directories. **Web server’s** administration and creating **virtual hosts** & certifications using SSL.
* Administration on Tomcat, deploying the web applications. Worked on **Xen** virtualization in **RHEL 5.2.** Installed and Configured **SAMBA** Server in Linux for accessing the shared files from the windows environment.
* Maintaining Network File Systems like **(N.F.S)** and Auto mount in networks Installing and updating **Kernel**. Created, modified **swap** files and added swap space. **NTP** server and client configuration for **synchronization** of timing of all the server with the NTP server.
* Configuration and administration of **DNS, LDAP, NFS, NIS and Samba** in Red hat **Linux, IBM AIX** and **Solaris**. Network trouble shooting using **ndd, traceroute**, **netstat**, ifconfig and **snoop**.
* Experience in Performance monitoring, usage and load of the system, changing **kernel** parameters for better performance. Good working knowledge of network & **UNIX** security procedures.
* Implemented **Iptables** and **ACL** on **RedHat Linux** servers. Systems automation using **Shell scripting**. Handle tech and non-tech refresh of Linux servers including new hardware, Operating System upgrade, application installation, and testing.
* Set up **user/group** login ID's, printing parameters, network configuration, and password and permissions issues Monitoring the servers and **Linux** scripts regularly and perform troubleshooting steps - test and install the latest software on server for end-users.
* Hands as Red Hat Enterprise **Linux** Systems Administration and performed support role for applications on mission critical Enterprise Networks and Multi-server environment.
* Configured Network Concepts **NFS, DNS, NIS and DHCP**, troubleshooting network problems such as **TCP/IP**, providing support for users in solving their problems.