**Kaushik**

**E-mail: kaushikdebbadi019@gmail.com** **Phone: (331) 234-6101**

**DevOps Cloud Engineer / Linux Administrator**

**SUMMARY**

* Around **8+ years** of experience in IT industry with **Delivery Management**, **Design**, **Development, Release** & **Deployment** working on **Amazon Web Services** and **Microsoft Azure.**
* Experience in provisioning and good knowledge of AWS services like EC2, S3, Glacier, Bamboo, ELB (Load Balancers), RDS, SNS, SWF and EBS etc.
* Administration of **RHEL 4, 5 and Oracle Enterprise Linux 5.4** which includes installation, testing, tuning, upgrading and loading patches, troubleshooting server issues.
* Expertise in SMIT, LVM, Mirroring, Paging Space management, job scheduling, Performance monitoring, Error logging, Diagnostics, and Fine-tuning.
* Implementation and Administration of **DHCP, NFS** and **NIS** on **AIX.** Experience in **DNS, NIS, NFS, send mail, ftp, remote access, security management, and system troubleshooting** skills.
* Involvement in developing custom scripts using **Perl** and **Shell** scripts to automate jobs, scheduling the jobs by creating cron tabs and Cron jobs on **Linux servers**.
* Expert in setting up SSH, SCP, SFTP connectivity between UNIX hosts. Development and version control of Chef Cookbooks, testing of Cookbooks using **Food critic** and **Test Kitchen** and running **recipes** on **nodes** managed by on premise Chef Server.
* Experienced with **Docker container** service and **Docker applications** by creating **Docker images** from **Dockerfile** and managing **Kubernetes** clusters and deployments for microservices.
* Experience working with **Docker** (Engine, Compose, Swarm, Networks, Storage, Images, etc.) and **Docker Management Utilities** (Docker UCP, Rancher, Kubernetes, etc.)
* Strong hands on knowledge of Designing & implementing Distributed and Centralized **version control systems**, Source Code Management topics of branching, tagging, labeling and merging product variant management, Process implementation, Software Integration, Setup, configuration and Administration by using different SCM tools like **SVN, GIT**.
* Integration, deployment and automation of application servers **Tomcat**, **WebLogic** and **WebSphere Application Server** across **Linux platforms**.
* Experience working with Network monitoring tools like **Nagios, Splunk**. Maintenance of **Splunk** Environment with multiple indexes and configuring the index settings.
* Experience in using Bug Tracking tools like **JIRA** and **HP Quality center**. Coordinating and tracking all projects for seamless releases using Project Management System **JIRA**, Source Code Management System SVN and Document Management System SharePoint.
* Expertise in **Agile Testing Methodologies** & **Software Test Life Cycle** (STLC). Experience of the full **Software Development Life Cycle** (SDLC) and **Methodologies** & **Validations** to ensure the Quality Assurance Control.
* Extensive experience in **UNIX** performance tuning and Capacity Planning. Extensively experienced in **Bash, Perl, Python, Ruby, PowerShell** scripting on Linux.
* Deploying **system stacks** for different environments like Dev, UAT, Prod in both on premise and cloud infrastructure. Involved and participated in weekly QA Meetings and worked within Selenium IDE, **ALM,** Quality Center(QC), Oracle, Toad, and Harvest.
* Excellent written and verbal communication skills, strong organizational skills, and a hard-working team player.

**TECHNICAL SKILLS**

|  |  |
| --- | --- |
| **Operating Systems** | Unix, RHEL/CentOS 5.x/6.x/7.x, Ubuntu/Debian/Fedora, Solaris 7/8/9/10, Windows Server 2003/2008 |
| **Build/Containers** | Ansible, Chef, Puppet, Jenkins, Maven, Ant, Docker, Kubernetes |
| **Languages** | Shell, Bash, Perl, Python, Groovy |
| **Databases** | MySQL, MongoDB |
| **Webb/App Server** | Apache, IIS, HIS, Tomcat, WebSphere Application Server |
| **Bug Tracking** | JIRA, Rally |
| **Version Control** | GIT, SVN, Subversion  |
| **Web Technologies/ Programming** | Servlets, JDBC, JSP, XML, HTML, .Net, Java Script, Java/J2EE, C, C++, Perl scripting, Python, Shell scripting, Ruby, YAML |

**EDUCATION**

Bachelor of Technology from JNTU, Hyderabad, INDIA (2009)

**PROFESSIONAL EXPERIENCE**

**Clarios – Milwaukee, WI Sep 2020 – Till Date**

**Solution Engineer**

* Responsible for creating tagging standards for proper identification and ownership of **EC2** instances and other **AWS** resources.
* Configured and designed EC2 instances in all the environments to meet high availability and complete security. Setting up the **Cloud Watch** alerts for EC2 instances and using in Auto scaling launch configuration.
* Automated the backing up of the data by use of the Shell script which creates images and snapshots of all EC2 instances at regular intervals.
* Used **BOTO3** and Fabric for launching and deploying instances in AWS. Configured Inbound/Outbound in AWS Security groups according to the requirements.
* Used **IAM** to create new accounts, roles, and groups. Extensively automated the deployments using AWS by creating IAM s and integrated the Jenkins with AWS plugins to pipeline the code.
* Designed and developed **AWS** Cloud Formation templates to create custom VPC, Subnets, NAT to ensure deployment of web applications.
* Worked on Multiple **AWS** instances, set the security groups, Elastic Load Balancer and AMIs, Auto scaling to design cost effective, fault tolerant and highly available systems.
* Worked with **Terraform** to create stacks in AWS from the scratch and updated the terraform as per the organizations requirement on a regular basis.
* Created templates for AWS infrastructure as a code using **Terraform** to build staging and production environments. Automate provisioning and repetitive tasks using **Terraform** and Python, **Docker** container, Service Orchestration.
* Involved in Upgrade of **Jenkins** & Artifactory Server by scheduling backups in S3.
* Implemented a **GIT** mirror for **SVN** repository, which enables users to use both GIT and SVN. Managed the Code Repository by maintaining code in GIT, improve practices of branching and code merge to custom needs of development team.
* Responsible for creating and maintaining automated builds for projects written in java, PHP using **Jenkins**.
* Designed and Implemented **CI (Continuous Integration)** system, configuring Jenkins servers, Jenkins nodes, creating required scripts (Perl, Python)
* Worked on **Docker** container snapshots, attaching to a running container, removing images, managing Directory structures, and managing containers.
* Involved in development of test environment on **Docker** containers and configuring the **Docker** containers using **Kubernetes** within the microservice architecture.
* Installed and configured **Splunk** to monitor applications deployed on application server, by analyzing the application and server log files. Worked on setup of various dashboards, reports, and alerts in Splunk.
* Used **Nagios** as a monitoring tool to identify and resolve infrastructure problems before they affect critical processes.
* Pipelined Application Logs from App Servers to Elastic search **(ELK Stack)** through Log Stash Built Dashboards for App Metrics using Kibana (ELK Stack).
* Plan and execute RPM and YUM packages and update installations necessary for optimal system performance.

**Empower-Retirement – Denver, CO Jun 2019 – Jun 2020**

**AWS/DevOps/Automation Engineer**

* Involved in deploying multitude applications utilizing almost all the **AWS** stack (Including EC2, Route53, S3, RDS, Dynamo DB, SNS, SQS, IAM) focusing on high-availability, fault tolerance, and auto-scaling in AWS CloudFormation.
* Configured AWS IAM and Security Group in Public and Private Subnets in **VPC**. Created AWS Route53 to route traffic between different regions. Designed AWS Cloud Formation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates.
* Implemented automated local user provisioning instances created in AWS cloud. Setup and build AWS infrastructure various resources, VPC EC2, S3, IAM, EBS, Security Group, Auto Scaling, and **RDS** in Cloud Formation JSON templates.
* DevOps role converting existing AWS infrastructure to Server-less architecture (**AWS Lambda, Kinesis**) deployed via CloudFormation.
* Provisioned the highly available EC2 Instances using **Terraform** and cloud formation and wrote new plugins to support new functionality in Terraform.
* Implemented a **'server less'** architecture using **API Gateway**, **Lambda**, and Dynamo DB and deployed **AWS Lambda** code from **Amazon S3 buckets**. Created a Lambda Deployment function and configured it to receive events from your S3 bucket.
* Designed the data models to be used in data intensive **AWS Lambda** applications which are aimed to do complex analysis creating analytical reports for end-to-end traceability, lineage, definition of Key Business elements from **Aurora**.
* Used **AWS Elastic Beanstalk** for deploying and scaling web applications and services developed with Python, and Docker on familiar servers such as Apache, Nginx, and IIS.
* Using Bash and Python included Boto3 to supplement automation provided by **Ansible** and **Terraform** for tasks such as encrypting EBS volumes backing AMIs.
* Involved in using **Terraform** migrate legacy and monolithic systems to Amazon Web Services. Setting up the build and deployment automation for **Terraform** scripts using Jenkins.
* Used **Cloud Watch** for monitoring AWS cloud resources and the applications that deployed on AWS by creating new alarm, enable notification service.
* Used **Cloud** **watch** to monitor resources such as EC2, CPU memory, Amazon DB services, Dynamo DB tables, Elastic Block Store (EBS) volumes to set alarms for notification or automated actions and to monitor logs for a better understanding and operation of the system.
* Setup full **CI/CD pipelines** so that each commit a developer makes will go through standard process of software lifecycle and gets tested well enough before it can make it to the production.
* Worked in all areas of **Jenkins** setting up CI for new branches, build automation, plugin management and securing Jenkins and setting up master/slave configurations.
* Created Docker images using a **Docker** file, worked on Docker container snapshots, removing images and managing Docker volumes. Virtualized servers in Docker as per QA environments and Dev-environment requirements and configured automation using **Docker** containers. Scheduled, deployed and managed container replicas onto a node cluster using **Kubernetes**.
* Creation of **Pods** through new application and control the scaling of pods, troubleshooting pods through ssh and logs, writing/modification of Buildconfigs, templates, Image Stream’s.
* Managed **Kubernetes** charts using Helm, created reproducible builds of the Kubernetes applications, managed Kubernetes manifest files and managed releases of Helm packages.
* Managed local deployments in **Kubernetes** creating local cluster and deploying application containers.
* Automated various infrastructure activities like Continuous Deployment, Application Server setup, Stack Monitoring using Ansible playbooks and has integrated **Ansible** with Run deck and Jenkins.
* Provisioned and patched servers regularly using **Ansible**. Implemented Ansible to manage all existing servers and automate the build/configuration of new servers.
* Implemented a **Continuous Delivery** pipeline with Docker, and GitHub and AWS. Used ANT and MAVEN as a build tools on java projects for the development of build artifacts on the source code.
* Performed Branching, Tagging, Release Activities on Version Control Tools: **GIT**. Proposed branching strategies for using Version Control Systems like GIT, Stash, GitHub & Subversion.

**Wells Fargo – Charlotte, NC Oct 2017 – May 2019**

**AWS/DevOps Administrator/System Support Analyst**

* Defined **AWS** Security Groups which acted as virtual firewalls that controls the incoming traffic and configured the traffic allowing reaching one or more **AWS** EC2 instances Virtual private cloud (VPC), subnets, Internet Gateways, S3 bucket and route53 under **Amazon Cloud Environment.**
* Leveraged **AWS** cloud services such as **EC2**, auto-scaling and VPC to build secure, highly scalable and flexible systems that handled expected and unexpected load bursts. Implemented and maintained the monitoring and alerting of production and corporate servers/storage using **AWS** Cloud watch.
* Configuring Amazon **EC2**, Amazon **S3**, Amazon **Elastic Load Balancing**, **IAM** and Security Groups in Public and Private Subnets in **VPC** and other services in the AWS.
* Developed and managed **Azure VM**, VMware tools, Cloud Services and Storages by using **Azure Power-shell** scripting. Designed **Power Shell** scripts to automate **Azure** cloud system creation including end-to-end infrastructure, VMs, storage, firewall rules.
* Automated various infrastructure activities like Continuous Deployment, Application Server setup, Stack Monitoring using **Ansible** playbooks and integrated Ansible with **Run deck** and **Jenkins**.
* Used Ansible playbooks to setup Continuous Delivery pipeline including CI server Jenkins and Sonar server running plugins and managing plugins through **Maven.**
* Automating server configuration management & deployment process using **Ansible** playbooks with custom inventory files and tasks.
* Managed **Docker** orchestration and Docker containerization using **Kubernetes**, orchestrated deployments with **Kubernetes** clusters and scaled large applications with **Docker** containers.
* Managed and worked on container-based deployments using **Docker**, working with **Docker images**, **Docker Hub** and Docker-registries and **Kubernetes**.
* Developed **microservice** on boarding tools leveraging **Python** and **Jenkins** allowing for easy creation and maintenance of build jobs and **Kubernetes** deploy and services.
* Worked on **Ansible** to manage Web Applications, Config Files, Data Base, Commands, Users Mount Points, and Packages. **Ansible** to assist in building automation policies.
* Wrote **Ansible** playbooks in YAML. Installing, setting up & Troubleshooting Ansible, created and automated platform environment setup.
* Analyzing architecture of **Anthill Pro**, **UrbanCode** Deploy and **Jenkins** and further deploying builds to the clients to support their applications using Anthill Pro, UrbanCode Deploy and Jenkins.
* Used **Ansible** to deploy **ELK** for automating continuous deployment (CD) and configured Nodes and deployment failure reporting Open Stack Enterprise Environment. Upgraded Entire **ELK** Cluster to newer releases.
* Automate the installation of **ELK** agent (file beat) with **Ansible** playbook. Developed **KAFKA** Queue System to Collect Log data without Data Loss and Publish to various Sources.
* Implemented **Terraform** modules for deployment of various applications across multiple cloud providers and managing infrastructure.
* Implemented automated local user provisioning in instances created in **Terraform**. Worked with **Terraform** key features such as Infrastructure as code, Execution plans, Resource Graphs, Change Automation.
* Installing and configuring **Anthill Pro** agents, setting up the required environments used for deployments and triggering builds using **Jenkins** build pipelines.

**CSG International – Omaha, NE Oct 2016 – Sept 2017**

**AWS/DevOps/Linux Engineer**

* Involved in designing and deploying multitude applications utilizing almost all the **AWS** stack (Including EC2, Route53, S3, RDS, Dynamo DB, SNS, SQS, IAM) focusing on high-availability, fault tolerance, and auto-scaling in **AWS Cloud formation**.
* Designed **AWS** Cloud Formation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates.
* Implemented automated local user provisioning instances created in **AWS** cloud. Deployed applications on **AWS** by using Elastic Beanstalk.
* Converted existing terraform modules that had version conflicts to utilize **CloudFormation** during terraform deployments to enable more control or missing capabilities.
* Take care of the Logging issues of the **F5 load balancer** and how it works with the syslog servers making sure the communications through the switches and routers and **firewall** hops work as expected.
* Creating, cloning **Linux Virtual Machines**, templates using **VMware Virtual Client 3.5** and migrating servers between **ESX hosts** and managing clusters within the datacenter.
* Automated installing the **Linux packages** and administering Linux service using **Ansible** and automating product installation configuration.
* Documented all our build deploy methods, release calendar and desk procedures on **WIKI confluence.**
* Designed and documented a streamlined SDLC process for back office development team using **JIRA** for issue management and CVSNT for **version control.** Performed **Version Control GIT** Checkouts via Shell Scripts.
* Generating and updating Webserver Plugins, creating & configuring Virtual Hosts in WebSphere Application Server and WebServers, setting up environments for the deployment of J2EE applications in **WebSphere Application Server.**
* Configured **WebSphere** resources like JDBC drivers, data source, connection pooling, and J2CA authentication alias for applications to connect to database.
* Worked with **development/testing, deployment, systems/infrastructure and project teams** to ensure continuous operation of build and test systems.
* Interact with developers and **Enterprise Configuration Management Team** for changes to best practices and tools to eliminate non-efficient practices and bottlenecks.
* Wrote **PowerShell scripts** for automating time consuming specialty needs for external clients running on Windows based applications and servers.
* Maintained **IIS webserver** during deployments and production for .net applications, performed **Redhat Linux Kick-start** installation – **Sun Solaris Jump start** installation and created batch files for .net applications to automate the deployments.
* Scheduled Jobs using **CRONTAB** and **AT Utility** and wrote shell scripts to automate System Processes for checking health status and other day-to-day activities.
* Used **Jira 6.2** as our **bug tracking tool** and worked with the present administrator to make updates and consult on plugins and also to create and update stories for tracking project status.
* Worked on **JIRA Agile** projects like creating **Scrum/Kanban** boards, configured columns, Filters and Reports for Sprints.

**Kaiser Permanente – Pleasanton, CA Dec 2014 – Sept 2016**

**DevOps Engineer**

* Designing and implementing **fully automated server** build management, monitoring and deployment by using Technologies like **Puppet**. Used **Puppet server** and workstation to manage and configure nodes. Deployed Puppet for configuration management to existing infrastructure.
* Creating **manifests and deploying using Puppet** to completely provision the server. Created **Custom Puppet** modules for bootstrapping new servers with required application dependencies and packages.
* Maintained **Puppet servers** and management application that can use **ServiceNow (CI)** data to bring computers into a desired state by managing files, services or packages installed on physical or virtual machines.
* Server configuration management via **Puppet** and System orchestration via **Ansible.** Used **Puppet** to automate configuration management & Applications.
* Used **Puppet** to manage Web Applications, Config Files, Data Base, Commands, users Mount Points, Packages. Deployed **Puppet, Puppet Dashboard** and **Puppet DB** for configuration management to existing infrastructure.
* Extensively used **Docker** for **virtualization**, Ship, Run and Deploy the application securely for fasten the **build/Release Engineering**.
* Deployed applications using **Docker containers** in the cloud with **Paas** for automated provisioning and deployment, integrated SVN, Jenkins and Chef. Setup **Docker** on Linux and configured Jenkins to run under **Docker** host.
* Build additional **Docker Slave nodes** for Jenkins using custom built Docker images and instances. Installed, configured and maintain the **Docker** environments to house all microservices.
* Created several scripts/apps to monitor and admin all **docker containers**. Implemented several **Tomcat, JBOSS** Instances by using the **Docker Engine** for running several Containerized AppServers. Installed and deployed Docker Engines in Virtualized Platforms for containerization of multiple apps and configure **Docker Swarm and Kubernetes**.
* Install and configure **DHCP, DNS, web (Apache, IIS), mail (SMTP, IMAP, POP3) and file servers** on AIX and Red Hat **Enterprise Linux servers**.
* Provided 24\*7 on-call/Remote Support for LINUX Production Problems on weekly rotation basis. Troubleshooting day-to-day server related issues and problems.
* Define/setup network protocols, **Network File Service (NFS), and Network Information Services (NIS)** in Linux. Configured Network and troubleshooting network problems such as **TCP/IP**, providing support for users in solving their problems.
* Configures **vMotion,** Storage, **vMotion, vSwitch** and **vLANs** in **vCenter.** Performed patch management using **VMware update manager** (VUM) for ESX server.
* Allocated **SAN storage space (LUNs)** for ESXi hosts, scanned and configured datastores for ESX/ESXi servers/hosts. Configure LVM filesystem and **Veritas Filesystem (VxFS).** Configure **LDAP** on client server and coordination with HP Proliate support.
* Analyzed performance against key **SDLC** deliverables and testing results as a means of effectively assess and communicate risks to project team and senior management.
* Involved installing and managing different automation and **monitoring tools** on **Redhat Linux** like **Nagios, Splunk, Puppet.** Used **Python scripting** for automation, highly scalable, build promotions for staging to production.
* Wrote **PowerShell scripts** for the teams use with customers that have been heavily utilized thus saving much time with each other. Used **PowerShell and T-SQL** combining data from multiple sources.
* Expert in standardizing **Splunk** Forwarder deployment, configuration and maintenance across UNIX and windows platform.

**Canopyone Solutions – Chantilly, VA Jun 2013 – Oct 2014**

**Build and Release Engineer**

* Defined and rolled out **Configuration Management process** and coordinated Release Management activities for development teams working on **Java platform** in both Windows and Unix based environments.
* Administered and integrated the **Version Control Systems** like **Subversion** and **Git** with **Jenkins.** Developed automated process for builds and deployments using **Jenkins, Ant, Maven, Sonatype, Nexus, Shell, Python** and **Java.**
* Managed and improved build systems and integrated test automation framework, providing support for continuous, nightly and milestone builds across multiple streams of development and assisted developers with the timely resolution of any build failures.
* Designed and implemented end to end **SDLC** with process gates and quality controls with fully automated build and deployment process from development to QA to **Staging** and **Production environments.**
* Defined necessary improvements in build technology and source code organization to define process and became a lead player in affecting change to deliver high quality builds on time.
* Identify, troubleshoot and resolve problems with code build and ensure artifact versions and release versions of the build are intact. Build servers, installed tools, installed patches and transitioned servers to production support.
* Build the entire **VDI Environment** in VMware horizon view 5.2 by deploying Connection server, Security server, Dedicated **VCenter server** and Transfer server and authenticating them in **Horizon View Administration console**.
* Components and upgrading **VMware Tools**. Migration of **ESXi** host and **VM’s across datacenters**. Implemented software enabled **raid configuration (LVM).**
* Worked on **LDAP** console, wrote shell scripts to **automate LDAP tasks.** Implemented local/remote user **authentication service (nis, LDAP).**
* Install and Configure Comm. Environment in **WLS** using **WebLogic server.** Worked on **Web Server** and **WebLogic consoles** for non-critical fixes.
* Installation and Configuration of RedHat Enterprise Linux environment. Configure and implement OS level virtualization with **Solaris Zoning** and VMware.
* Configure the **global zone.** Prepare **file system** and zone root path for non-global zone. Performed File System Backup and Recovery.
* Monitored the logs in case of improper functionality of **Jira/Confluence** for exceptions and Apply the changes on Jira as per **Atlassian KB.** Plugin management for **Atlassian Applications JIRA** and **Confluence.**

**Jackson National – Lansing, MI Dec 2011 – May 2013**

**Linux/Unix Administrator**

* Installed **Linux operating systems**, apply patches, manage file systems and monitor performance on VM, and DELL server. Build **kickstart server** and Implement automation of server provisioning via PXE boot and Kickstart.
* Creating, cloning **Linux Virtual Machines**, templates using **VMware Virtual Client 4.0** and migrating servers between **ESXi hosts.**
* Assist in information gathering and architecting solutions to fulfill various functional and performance requirements, including storage, networking, and other pieces of infrastructure.
* Manage **HPCC cluster** at enterprises scale. Managed and monitor system configurations with **OCS inventory**. Responsible for AD integration for **Red Hat** and **Centos servers.**
* Production support of **Apache** and **tomcat** including installation, configuration, management and troubleshooting. Responsible for proxy setup between **Apache Server** and **Application Servers, Bonita** and **Tomcat.**
* Responsible for Investigating and troubleshoot issues by determining root cause and remediate application, system, infrastructure issues and take proactive measures to prevent future occurrences.
* Worked with teammates, clients and other teams to identify and address systems problems, analyze all aspects of the existing infrastructure and recommend modifications to enhance system reliability, availability, serviceability and scalability on **Linux**.
* Performed and **Kernel Patching** using both **Command line** and **GUI.** Performed Kernel Upgrades Kernel Tuning to make Linux environment less vulnerable to internal security fixes.
* Installing and configuring **ESX/ESXi servers.** Manage VM’s using **VMware client.** Performance tuning of VMware servers, Virtual sessions and management of server resources between virtual machines.
* Creating templates from VM’s and deploy VM’s templates and allocate resources also created duplicate VM’s using **cloning technology.**
* Setup optimal **RAID levels** (fault tolerance) for protected data storage in **NAS environments** also configured RAID 0, 1, 01, 10, 50 for backup.
* Install and configure **DHCP, DNS (BIND, MS) web (Apache, IIS), mail (SMTP IMAP and POP3)** and file servers. File system tuning, growing and shrinking with **Veritas File system 3.5/4.x.**
* Configuration of **LDAP Server** on **WebLogic Server** to provide the Group and Roles Management outside WebLogic Server.
* Working with vendors to apply necessary patches to the **middleware (Oracle WebLogic, JBOSS and Apache Web Server)** products. Development and implementation of **WLST Scripts** and **shell scripts** for various administration tasks.
* Implemented new **JIRA workflows** for the **QA teams** and worked on Splitting JIRA servers. Handled User/Group Administration, configured **LDAP** directly with **Jira.**

**Educomp Solutions – Hyderabad, India Nov 2010 – Oct 2011**

**Linux Administrator**

* As member of Release Engineering group, redefined processes and implemented tools for software builds, patch creation, source control, and release tracking and reporting, on UNIX platform.
* Perform biweekly build cycle and testing processes on **Linux**. Configured **LVM (Logical Volume Manager)** to manage volume group, logical and physical partitions and importing new physical volumes.
* Created virtual machine using **VMware** and **LVS**. Updating Patches based on the requirements and configured **RAID** (Redundant Array of Independent Disks) 0, 1, 01, 10, 50 for backup and recovery.
* Responsible for supporting servers for production, development and testing.
* Install, Configure and Maintain the **DHCP, DNS, NFS, NIS** and **send mail server.** Performed installation and configuration of **LDAP.** Installed **SAMBA server** for interface between Linux and **NT Servers** to share files and Network Printer.
* Performance tuning and preventive maintenance. Performed daily backup. Troubleshoot UNIX/Linux networks: resolve security related issues by using tools such as **IP tables, firewall, TCP wrappers, NMAP.**
* Resolving TCP/IP network access problems for the clients. Implementing **Remote System Monitoring** with the servers.
* Developed, Maintained, updated various scripts for the services (start, stop, restart, recycle, cron jobs) **Unix based shell.** Tuned **kernel parameters** for optimal performance.
* Monitored **CRON** jobs that were scheduled by the development team to automate the tasks that are to be run on the Linux servers.
* Created deployment request tickets in **JIRA** for the deploying the code to Production and integrated **JIRA** with Confluence, **Fisheye** and **Crucible** via Application links. Created **Confluence** templates for users.
* Provided **24\*7 support,** during production pushes and provided end user support.