**Hari Gaddam**

**E-mail:** [**harireddy8805@gmail.com**](mailto:harireddy8805@gmail.com)

**Phone: +1(512)657-2201**

**DevOps Engineer/ Cloud Engineer/ Linux Administrator**

**SUMMARY:**

* Associate with **8+ years** of experience in Information Technology industry in various roles with extensive experience in Software Integration, Configuration, Build & Release management and Development for several market driven international organizations.
* AWS cloud platform and its features which includes **EC2**, **VPC**, **ELB**, **EBS**, **AMI**, **SNS**, **RDS**, **EBS**, Cloud Watch, Cloud Trail, Cloud Formation **AWS** Config, Autos calling, Cloud Front, **IAM**, **S3**, **Route53**.
* Understanding in the strategy and practical implementation of AWS **EC2**, **Auto-Scaling** in launching EC2 instances, **Elastic Load Balancer, Security Groups** and configuring **VPC’s** using Route Table, Subnets, NACL.
* Monitoring and scheduling the health checks of the instances using **Cloud Watch** and maintaining the log of all the API calls through **Cloud Trail** and **Splunk.**
* Configuration of DNS server in AWS cloud using **Route53** and Developed AWS **Cloud Formation** templates using **YAML** script to create custom sized **VPC**, subnets, **NAT**, **EC2**.
* Worked on cloud-based servers such as **AWS** and **Cloud** **Foundry**.
* Developed, and implemented architectural solutions involving multiple **Pivotal Cloud Foundry**(PCF) foundations on VMware virtual infrastructure (on-premesis).
* Deployed LAMP based applications in AWS environment, including provisioning **MYSQL- RDS** and establishes connectivity between EC2 instance and **MySQL-RDS** via **security groups.**
* Setting up and managing data in AWS using **S3 bucket** and configuring instance backups to **S3 bucket**.
* IAM roles and its policy management to restrict users to **AWS** Resources.
* Proficient in writing CloudFormation Templates (CFT) in **YAML** and **JSON** format to build the **AWS** services with the paradigm if Infrastructure as a Code.
* Worked on Relational and **NoSQL** databases like **MySQL**, **SQLServer**, **Oracle**, **DynamoDB**, **MongoDB** and **Redshift**.
* Managed Amazon Web through **AWS Console** and API Integration with **Ansible Code.**
* Developed OpenStack infrastructure with automation and configuration management tools such as **Ansible**, custom-built cloud hosted applications and used **Ansible** for continuous integrations.
* Worked in container-based technologies like **Docker**, **Kubernetes** and **Openshift**
* Strong knowledge in creating **Jenkins** Continuous Integration pipelines. Experience in **Jenkins** to automate most of the build related tasks.
* Maintained Continuous Integration environment for the applications using the tools like **Hudson** and **Bamboo**, and Continuous Delivery/provisioning using tools like **Puppet**, **Chef**, **UDeploy**.
* Develop Docker based micro services deployment with **Kubernetes**, **Jenkins** and **Ansile** based pipelines/frameworks.
* Extensive experience using **MAVEN** and **ANT and GRADEL** as a Build Tool for the building of deployable artifacts (**war & ear & jar**) from source code.
* Experience in working with various software methodologies like **Waterfall, Agile, Scrum, XP, Test Driven Development**.
* Production experience in large environments using configuration management tools like **Chef** and **Puppet** supporting **Chef** Environment with 500+ servers and involved in developing manifests. Developed **Chef** Cookbooks to manage systems configuration.
* Involved in creating **Puppet manifests** and modules to automate system operations and deployed puppet dashboard, and puppet DB for configuration management to existing infrastructure
* Implemented Docker -maven-plugin in and maven pom to build **Docker** images for all micro services and later used **Dockerfile** to build the Docker images from the java jar files.
* Virtualized the servers using the **Docker** for the test environments and dev-environments needs and configuration automation using **Docker** containers.
* Experience in authoring pom.xml files, performing releases with the Maven release plugin, and managing artifacts in Sonatype **NEXUS** repository.
* Integration of **Maven/Nexus**, **Jenkins**, **Urban Code Deploy** with Patterns/Release, **GIT**, **Confluence**, **JIRA** and **Cloud Foundry.**
* Experienced in Installing and configuring and Querying RDBMS such as **Oracle**, **MY SQL** and **SQL** Server by using SQL for data Integrity.
* Developed and wrote **Shell scripts**, **Bash scripts**, **Ruby**, **Python** and **PowerShell** for setting up baselines, branching, merging, and automation processes across the environments using SCM tools like **GIT**, Subversion (SVN), Stash and TFS on Linux platforms.
* Expertise in detecting network outages and protocol failures by using **Nagios** monitoring system and also experienced in configuring other monitoring tools like **Splunk** and **ELK** stack (Elastic Search, Logstash, Kibana) **AppDynamics.**
* Responsible for working a queue of **JIRA** tickets to address system issues, user requests, etc. on a daily basis.
* Experience in **Firewall** management, OS security, scheduling job using **Cron** and strong understanding of advance network protocols like **TCP/IP, UDP, IPv4, IPv4** sub netting, **IPv6**.
* Experience in configuring various services like **FTP, SSH, HTTP, HTTPS, NFS, NGINX** remote access, security management and security trouble shooting.

**EDUCATION:**

* Bachelor of Technology in Computer Sciences from Osmania University in 2010, Hyderabad, INDIA.

**Technical Skills:**

|  |  |
| --- | --- |
| **Cloud Services** | AWS, Azure, Open stack |
| **Build Tools** | ANT, Maven, Groovy, Gradle |
| **Version Control Systems** | GIT, Bit Bucket, SVN, GitHub |
| **Configuration Management Tools** | Chef, Ansible, Puppet, Terraform |
| **Container Service** | Docker, Kubernetes |
| **Programming Languages** | C, C++, Java, HTML, CSS |
| **Scripting Languages** | Shell Scripting, Python, Bash, Batch, Perl |
| **Repositories Management Tools** | Nexus, Artifactory |
| **CI Tools** | Jenkins, Hudson, Bamboo (Atlassian tool) |
| **Monitoring Tools** | Nagios, Cloud Watch, Splunk, BMC Patrol |
| **Code Analysis Tools** | SonarQube |
| **Orchestration Tools** | Puppet Orchestrator |
| **Application Servers/Middleware** | Tomcat, Nginx, HTTP, JBoss, WebLogic, WebSphere, VMWare |
| **Bug Tracking and Ticketing Tools** | Clear Quest, ServiceNow, JIRA |
| **Operating Systems** | Windows, Linux (RHEL 6.9, 7.0, 7.2), Solaris (SPARC 10, 11) |
| **SDLC** | Agile and waterfall methodologies |

**PROFESSIONAL EXPERIENCE:**

**Bayer Crop Science (Monsanto), St. Louis, MO Nov 2017- Dec 2018**

**DevOps Engineer/ Cloud Engineer**

**Responsibilities:**

* Worked extensively with **AWS** services like **EC2**, **S3**, **VPC**, **ELB**, **Auto Scaling Groups**, **Route** **53**, **IAM**, **CloudTrail**, **CloudWatch**, **CloudFormation**, **CloudFront**, **SNS**, and **RDS**.
* Set up and built **AWS** infrastructure with various services available by writing cloud formation templates in **json**.
* Creating serverless apps to monitor using **AWS** **Lambda**, **API** **gateway** and **DynamoDB**.
* Implementing Security solutions Using **AWS** resources like **Cloudwatch**, **cloudtrial** as well as **splunk**, **vault** etc.,
* Creating self-service tools to automate **IAM** permissions/creating roles etc.
* Configured **AWS** **CLI** and performed necessary actions on the AWS services using shell scripting.
* Implemented **CloudTrail** in order to capture the events related to **API** calls made to **AWS** infrastructure.
* Created **CloudWatch** alarms to notify users, for monitoring the **EC2** server's performance like **CPU** Utilization, disk usage etc. using metrics to monitor system performance cost of resources in **AWS**
* create a stack in CloudFormation which include services like Amazon **EC2**, **Amazon** **S3**, **Amazon** **RDS**, **Amazon** **Elastic** **Load** **Balancing**, **Amazon** **VPC**, and other services of the **AWS infrastructure**.
* Experienced with version control tools like **GIT** and **SVN** and integrated build process with **Jenkins**.
* Configured and automated the **Jenkins** Build jobs for Continuous Integration.
* Configured and maintained **Jenkins** to implement the CI process and integrated the tool with **Ant** and **Maven** to schedule the builds.
* Used **Ansible** as a powerful tool for creating infrastructure and deployed on servers.
* Experience in creating inventory, job templates and scheduling jobs using **Ansible** Tower and expertise in
* writing **Ansible** **Playbooks**.
* Managing the **Openshift** cluster that includes scaling up and down the **AWS** app nodes.
* Configuring applications to run on the datacenter and provisioned the instances on **AWS** using **Terraform**, developed and deployed stacks using **AWS** **Cloud** **Formation** Templates.
* Converted all **Cloud** **Formation** template to **Terraform** for infrastructure as code.
* Created **NAT** gateways and instances to allow communication from private instances to the internet through **bastion** hosts.
* Involved in writing Java **API** for Amazon **Lambda** to manage some of the **AWS** services.
* Used **AWS** **Beanstalk** for deploying and scaling web applications and services developed with Java.
* Deployed the code, various Web Application and **API's** onto the **Cloud Foundry**.
* Worked on Pivotal **Cloud** **Foundry** architecture and design, troubleshooting issues with platform components, and developing multi-regional deployment models and patterns for large-scale deployments on **Cloud Foundry**.
* Installing and Architecting **Cloud Foundry** on Various Iaas, leveraging the power of BOSH.
* Gained exposure at professional level with **JAVA**, **HTML**, **CSS** and **JAVASCRIPT**.
* Gained a Good Knowledge with **AWS** Devops tools like **Kubernetes**, **Packer**, **Docker**, **Wrecker**, **Jenkins**. Experienced of working with CI/CD Code **PIPELINE**.
* Good Knowledge on **Docker** components like **Docker** **Engine**, **Docker**-**Hub**, **Docker**-**Compose**, **Docker Registry** and **Docker** **Swarm**. Used Docker for local Application Deployment and test.
* Extensive experience in working with **Docker** container snapshots, attaching to a running container, removing images, managing directories structures and managing containers.
* **Openshift** virtualized PaaS provider -useful in automating the provisioning of commodity computing resources for cost and performance efficiency.
* Performing necessary day-to-day **github** issue support for different kind of projects.
* Implementing Devops strategies in day-to-day activities.
* Daily activities include working with **Docker**, **ECS** **clusters**, **Jenkins**, **Cloudfoundry**, **Vault**.
* Responsible for development and maintenance of scripts, tools, apps, for automated build and deployment of products to Prod and NP environments.

**Environment**:**AWS(EC2, S3, ELB, EBS, Cloudwatch, Glacier, Cloud formation), CloudFoundry, Docker, Shell Scripting, Yaml, Jenkins, GIT, Maven, Ansible, JIRA, Nagios, SVN, GIT, RedHat Linux, OpenShift, Oracle Enterprise Linux Systems.**

**ACT Inc. – Iowa City, USA Oct 2016- Nov 2017**

**DevOps Engineer/ Cloud Engineer**

**Responsibilities:**

* Worked on designing and deploying a multi-tier application utilizing almost all of the main services of the AWS stack (like **EC2**, **S3**, **RDS**, **VPC**, **IAM**, **ELB**, **Cloud watch**, **Route 53**, Lambda and **Cloud Formation**) focused on high - availability, fault tolerance environment.
* Created Amazon **VPC** to create public-facing subnet for web servers with internet access, and backend databases & application servers in a private-facing subnet with no Internet access.
* Supported **AWS** Cloud environment with 200+ AWS instances and configured **Elastic IP & Elastic Storage** and experience working on implemented security groups.
* Experience in setting up the life cycle policies to back the data from **AWS** S3 to **AWS Glacier.**
* Automate infrastructure in **AWS** using amazon web services. Using **ANSIBLE** to completely provision and manage **AWS** EC2 instances, volumes, Route 53, and S3.
* Creating snapshots and **Amazon machine images** (AMIs) of the instances for backup and creating clone instances.
* Experience in setting up Users, Groups and assigning Permissions through policies to the Users and Groups in **AWS IAM** to provide granular level access control.
* Configure **ELK** stack in conjunction with AWS and using Logstash to output data to AWS S3.
* Good understanding of the principles and best practices of Software Configuration Management (SCM) in **Agile**, **Scrum** and **Waterfall** methodologies.
* Maintained continuous integration environment for the applications using **SVN**, **Jenkins**, **Gradel Script,** configuration management tool **Ansible** for full automation.
* Handson experience on **Hudson**, **Jenkins** and **Teamcity** for continuous integration and for End to End automation for all build and deployments.
* Provided on-going support and administration for version controllers like **SVN**, **GIT**, **IBM Clearcase** and **PVCS**. Involved in the migration of code from **SVN** to **GIT**.
* Worked in integrating **Jenkins** with version controllers like **GitHub** to build Automation tool (**Maven**), and Artifact repository **NEXUS** for pushing the built code successfully.
* Developed Build scripts using **MAVEN** and **Gradel** and executed them using the maven & gradel plugin in Jenkins and pushed artifacts to nexus repository.
* Build scripts using **ANT** and **MAVEN** build tools in Jenkins and **BuildForge** to move from one environment to other environments.
* Implemented code coverage and unit test plug-ins like find bugs, check style, **Cobertura**, and **SonarQube** and **PMD** with Maven/Jenkins.
* Experience in design micro services deployment using **Docker** and **Kubernetes**.
* Experience in **PaaS** with **RedHat** **OpenShift** Container Platform, Architecting, installing and configuring the platform using different tools and technologies.
* Worked with [company name] staff and Hubbard One project and functional teams to smoothly migrate 100s of highly customized **ASP.Net** and **HTML** applications hosted in **IIS** 6 and 7
* Implementation of Git Flow Branching Mechanism and triggering of CI/CD Pipeline using **Webhooks**.
* Achieved continuous Deployment using IBM **Udeploy**. Integrated **Udeploy** with nexus and Jenkins to achieve CD.
* Setting up configuration management environment using **Ansible** for auto provisioning, code deployments, software installation and configuration updates.
* Implemented **Ansible playbooks** for installing various services like apache, Nginx web servers, DB and app servers like MySQL, JBoss, and Jetty.
* Installed packages on remote **Agent less nodes** through **Ansible playbooks** with Ansible roles.
* Worked with **Ansible** to run ad-hoc commands and playbooks to automate tasks and written playbooks. Worked with **Ansible** in conjunction with Vagrant.
* Experienced working with **Ansible tower**. Integrating Ansible tower with Jenkins to deploy code to different servers.
* Hands on experience in creating pods and managing on the cluster environment on **Kubernetes**. Used **Kubernetes** to deploy scale, load balance, scale and manage Docker containers with multiple namespace versions.
* Supported and enhanced SDLC cycle by using **Docker** containers delivered with Openshift to automate web application deployment using **kubernetes**.
* Built various containers using **Docker engine** and **Docker Machine** environments, to deploy the micro services oriented environments for scalable applications.
* Used Debian based Linux servers to install **Docker** based services, monitor and debug the services.
* Implemented Docker -maven-plugin in and maven pom to build **Docker images** for all microservices and later used **Docker file** to build the Docker images from the java jar files.
* Automated Web service calls using **Groovy** scripting - Wrote **Groovy**scripts which automatically validates the web service calls and reports if any issues.
* Implement and configure **Appdynamics** for day-to-day monitoring and performance testing.
* Experience in integrating **Nagios** with other monitoring/alert solutions for the server disk management.

**Environment**: **AWS(EC2, S3, ELB, EBS, Cloudwatch, Glacier, Cloud formation), Docker, Shell Scripting, Groovy scrip, Yaml, Gradel, Jenkins, SonarQube, Webhooks, uDeploy, GIT, Maven, Ansible, Ansible Tower, JIRA, Confluence, Nagios, AppDynamics,HP Quality Center, SVN, GIT, RedHat Linux, Oracle Enterprise Linux Systems.**

**Gilbarco Greensboro,NC Nov 2014 – Sep 2016**

**Cloud Engineer/ DevOps Engineer**

**Responsibilities:**

* Involved in deploying systems on **Amazon Web Services (AWS)** Infrastructure services EC2, S3 and EBS.
* Worked in migrating to Cloud Platform **AWS** using **Snowball** and VM import/export.
* Responsible for Stop/Start, troubleshoot and maintain **AWS EC2** instances on Amazon's GovCloud and Primary Cloud.
* Developed End to End solution for hosting the web application on **AWS** cloud with integration to **S3buckets**.
* Developed Shell scripts for **AWS** AMI backups in east and west region. This script will create AMI with deployment and implementation of **Chef** for Configuration Management as code initiative.
* Written **Chef** Cookbooks and recipes in **Ruby** to Provision several pre-prod environments consisting of Cassandra DB installations.
* Worked in installing and configuring **Chef Infrastructure, Chef-repo** and **Boot strapping chef nodes**.
* Worked on middleware installation and deployment activities using **Chef**. Setting up application servers like Apache/Tomcat and Virtual Host configurations, Rewrite/Redirection.
* Created custom resources and libraries in **chef** using attribute information gathered from **Ohai**.
* Experience on **Docker** components like **Docker Engine**, **Docker-Hub**, **Docker-Compose**, **Docker Registry** and **Docker Swarm**.
* Installed and Implemented VMware **ESXi 4.0** host servers with **vSphere Client**, **vSphere CLI.** Configured HBAs and **iSCSISAN** storage.
* Monitoring and creating snapshots and templates using **vCenter** server and monitoring through vsphere.
* Configure **vNetwork** Standard Switches**, vSS Policies**, and Shared storage for **vSphere**.
* Experience in installation and configuration of **Kickstart servers** for initiation and installation of **Redhat Linux** on multiple vm’s.
* Installed Configured and Supported various servers, which included **NFS, NIS, LDAP, NTP, FTP, DHCP, HTTP, NGINX** and users setup/troubleshooting.
* Responsible for providing continuous integration using the tools like **Team City** for end-to-end automation of various build and deployments.
* Developed **Maven** and **Gradel** scripts as build tools on Java projects for the development of build artifacts on the source code.
* Extensive experience in using and writing scripts in Ant and using tools such as **AnthillPro** for build management.
* Developed various scripts using **Ruby**, **Perl** and **Bash**, **Shell** to perform different automation tasks for continuous integration and delivery of code.
* Working with Development teams to resolve the deployment in higher environments.
* Conducted a two-hour conference to educate the company's subversion users on the terminologies and provided guidelines to better understand the functionality of subversion **(SVN)** repository vs. **GIT**.
* Worked on tracking tool **JIRA** and triaged the issues and maintaining bugs using **JIRA** tool.
* Worked on **Active Directory**, **GPO** and **LDAP** related issues.
* Using **Docker** have deployed scalable services, securely and reliably, on a wide variety of platforms, enabled rapid deployment with minimum run-time requirements.
* Deployed **Java/J2EE** applications on to **Apache Tomcat** application servers and configured it to host the website Experience in installation, management and administration of provisioning tool **Puppet**.
* Worked in Administering and Maintenance of **Puppet Master, Puppet Nodes** and their **SSL certificates**. Wrote **Puppet** manifests for deploying, configuring, install shield and managing collected for metric collection and monitoring.
* Support for **Linux/Unix** systems administration, operational support and problem resolution for server systems Created shared **NFS** files, mounting and un-mounting **NFS** server, **NFS** client on remote machine, sharing remote file folder, starting &Stopping the **NFS** services.
* Expert in deploying the code through web application servers like **WebSphere/ WebLogic/ Apache Tomcat/ JBOSS.**
* Worked on log parsing, complex **Splunk** searches, including external table lookups.

**Environment:** **AWS (Migration using snow ball), VM Ware** (**ESXi 4.0, vCenter, vSphere ), Team City, KickStart, Pearl, Ruby, Shell scripting, Maven, Gradel, Anthillpro, Chef Workstation, Chef Server, Chef Nodes, Active Directory, LDAP, JIRA,Splunk, Puppet Master, Puppet Nodes, Dockers.**

**Vingspan Scitech Consultancy Pvt Ltd– Hyderabad, India July 2013 – Oct 2014**

**Build and Release Engineer**

**Responsibilities:**

* In-depth knowledge of Apache **Subversion (SVN**), **GIT** and **Jenkins**, **Team City** Continuous Integration Server.
* Completed software builds and elevations, created directories and security groups, and recreating prior, versions. Monitored software, hardware, and/or middleware updates and utilizing technologies like **Jenkins/ Hudson**, **Ant** and **SVN**.
* Used **ANT** and **MAVEN** as build tools on Java projects for the development of build artifacts on the source code.
* Implemented tools for software builds, patch creation, source control, release tracking and reporting on Unix platform.
* Experienced in branching, tagging and maintaining the version across the environments using SCM tools like **GitHub**, **Subversion (SVN)** and **TFS** on Linux and windows platforms.
* Build artifacts are deployed into Tomcat instances which were integrated using the **Perl** and **Shell script**.
* Created Jenkins workflow to automate the environment readiness process across different environments.
* Installed and managed **VMware ESX 5.5x** hosts running RHEL 5, 6 versions.
* Developed **build.xml** and **Pom.xml** for applications that use Ant and Maven scripts for builds respectively.
* Used **Maven Archiva** Repository to upload the build artifacts after a successful build.
* Installed **SonarQube** on Jenkins server and configure with the build process for the code analysis process for better code quality and code metrics, and rapid feedback for development teams and managers.
* Responsible in managing all aspects of the software configuration management process including code **compilation**, **packaging**, **deployment**, release methodology and application configurations.
* Managed daily builds and releases to **QA**. Debugged build failures and worked with developers and QA personnel to resolve related issues.
* Responsible for User Management and creating schedules for Build and Automation tasks using **Build Forge**.
* Installing/configuration and maintenance of system hardware/software,network, related infrastructures.
* Building & configuring **Redhat** Linux systems over the network, implementing automated tasks through **cronjobs**, resolving tickets according to the priority basis.
* Writing **Shell scripts** to handle server processing Migrating applications from .Net to Python Monitoring applications/servers performance with **Splunk**.
* Configured various kinds of Application servers for the deployment of artifact like **Tomcat ,Jboss**,**WebSphere**.
* Experience of **TCP/IP** networking including routing and switching, **WAN** to **LAN**, **VPN** tunnels.

**Environments: Subversion(SVN), GIT, Jenkins, Maven, Ant, Hudson, Sonar Qube, Maven Archiva, Build Forge, Splunk, Tomcat, Jboss, WebSphere, VMware ESX 5.5x, TCP/IP, VPN tunneling.**

**Opentext – Hyderabad, India July 2012 – May 2013 Linux Administrator**

**Responsibilities:**

* Experience in **Windows Server 2003 Active directory** installation and configuration.
* Installation, configuration and troubleshooting of **RedHat** Enterprise Linux 4.x.
* File system Tuning and growing using VERITAS File System (VxFS), coordinated with SAN Team for storage allocation and Disk Dynamic Multi path.
* Experience in VMware Installation and monitored Virtual environments with ESXi 5.5x servers and Virtual Center 5.X.
* Managed ESXi hosts utilizing load balancing practices, migrating Virtual Machines and Virtual Storage to new hosts or datastores, either manually or using Distributed Resource Scheduler.
* Installation of **vCenter Server**, **vCenter** Components and upgrading VMware Tools.
* Managing the virtual environment and configuring different ESXi hosts in **vCenter** and monitoring it through **vSphere.**
* Taking Snapshots and creating templates in **vCenter**.
* Perform daily health checks for servers like checking CPU memory utilization, Check the connectivity.
* Solid experience on **vMotion**, Storage **vMotion**, VMware Fault Tolerance, Update Manager and **SRM**.
* Designed router administration, interface configurations, routing protocols of **LAN** Network.
* Troubleshoot general network connectivity issues using tools such as **ping, telnet, traceroute and PingPlotter.**
* Performed vlan port changes on **FEX/DS** solutions between production and build environment.
* Assisted data center team by being a point of escalation for physical/component based issues and performing administrative and remote assistance for replacements and hardware troubleshooting.
* Shell **scripting** and **Bash scripting** for process automation tasks.
* Experience in installing new servers into racks and configuring Network cables, storage cables (SFP) and ISCSI cables.
* SAN - based (EMC Clariion) storage system backup architectural benefits.
* Managing systems routine **backup**, scheduling jobs like disabling and enabling **cron jobs**, enabling system logging, network logging of servers for maintenance, performance tuning, testing.

**Environments: Windows Server 2003, RedHat, ECXi 5.5x, vCenter, vSphere, vMotion, DRS Scheduling, Shell Scripting, Telnet, PingPlotter, Cron jobs.**

**Selectsys India Pvt Ltd – Hyderabad, India June 2010 – May 2012**

**System Engineer**

**Responsibilities:**

* Installation, configuration & upgrade of **Linux 5/6**, **CentOS**, **Redhat** operating systems.
* Configuring Redhat Linux Servers with **Jumpstart**, **Ignite** and **kick start**.
* Setup, designed, and routed sensitive data through **WAN** and **LAN** networks
* Monitor, configure, update, and maintain the availability of Linux Web Server (Centos 7/Redhat) operate on-top of **KVM** and running services, HA proxy, Nginx
* Monitoring day-to-day activities like user management, performance monitoring and tuning, alert log monitoring and backup monitoring.
* Maintain file server Windows (2003, 2008 Datacenter) to provide multiple services, such as **Hyper-V**, **Database (MSSQL2005,MySQL)** ,and **UPS** system.
* Maintain and monitor Linux files & print system (Samba&Cups), **Vmware** server, **Netgear** (switches, routers), and **sonicwall** (firewall) to work properly.
* Monitoring Networking communication using various protocols such as **TCP/IP, Telnet, FTP, NDM, SSH, VPN.**
* Developed **shell scripts** and **bash scripts** to perform various automation tasks and scheduling them using cron jobs
* Monitored system performance like CPU Utilazation, Disk Space,Process activity by using monitoring tools like **TOP, SAR, IOSTAT,VMSTAT.**
* Performed **Memory** and **Swap** management to improve optimization and performance of the servers.
* Regular disk management like adding and replacing hard drives in existing servers and workstations.Creating **Logical Volumes** from physical volumes and increasing and reducing the volume space according to the requirement.
* Network configuration for interfaces, switch ports, Ethernet cards, host names, netmask and routes details, **DNS**, **NFS**, **LDAP**, **NTP** and **SMTP** etc.
* Using **SSH** to login to remote servers using password less login.
* Maintenance of Linux Firewall Systems such as **IP Tables**, **Firewall.**
* Managing backup process of various Servers and Storages(SAN) using **Cronjobs.**

**Environments: Redhat, Centos, Hyper-v , MySQL, Telnet, Sonicwall, SSH, VPN, Logical volumes, DNS, NFS, LDAP, NTP, SMTP, Cronjobs, IP tables, Firewalld.**