**SOWMYA J**

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**Skilled AWS DevOps Engineer with 8+ years of experience in Automation, Continuous Integration, Continuous Delivery, and Provisioning &Configuration Management with Multi-Cloud services. Experienced in deployment, packaging, network operations, system administration, SCM and DevOps Build/Release management.**

**PROFESSIONAL SUMMARY**

* + Experienced in **Automated deployment operations** using various tools in DevOps, Configuration & Provisioning Management, and Cloud Infrastructure, using a wide range of tools like **Jenkins, Maven, Chef, Puppet, Terraform, Ansible, SVN, GIT, Tomcat, and Linux.**
  + Rich experience in setting up enterprise infrastructure on Amazon Web Services (**AWS**) including **EC2, S3, RDS, Lambda,** **Elastic Beanstalk, Cloud Watch** and **DynamoDB** to ensure high availability, performance, scalability and by administrating them using AWS **console** and AWS **Command-line Interface.**
  + Experience with **Redshift's** backup and restore capabilities and disaster recovery strategies.
* Designed and implemented **AWS security** best practices, including **IAM** roles, **security groups**, and **VPCs**, to ensure compliance with industry standards and regulations.
* Implemented and managed AWS **container orchestration** platforms such as **ECS** and **EKS** to automate deployment and management of containerized applications.
* Employed **Azure Resource Manager** (ARM) to deploy, update and delete multiple resources on Azure and in migrating the on-premises resources to Azure using **Azure site recovery** (ASR) and **Azure backups**. Worked on creating resource group of virtual machines by specifying deployment parameters in Azure Resource Manager (ARM).
* Expertise in Google Cloud Platform (**GCP**)Services Like **Compute Engine, Cloud functions, Cloud DNS, Cloud Storage and Cloud Deployment** and SaaS, PaaS and IaaS concepts of Cloud computing architecture and Implementation using GCP.
* Implemented and managed **Terraform** providers to interact with cloud providers such as **AWS, Azure,** or **Google Cloud**, and other infrastructure platforms such as **Kubernetes** or **Vault**.
* Proficient in using **Git** branching strategies such as **GitFlow** and **Trunk-Based** Development to manage multiple branches of code and facilitate continuous integration and delivery.
* Expertise in creating **Docker images** and **Docker files** to automate the deployment process. And creating **Docker Compose files** to manage multi-container applications.
* Proficient in creating **Kubernetes** objects such as Pods, Services, Deployments, ConfigMaps, and Secrets to manage applications and infrastructure.
* Experience in Jenkins pipelines to drive all micro-services builds out to the **Docker registry** and then deployed to **Kubernetes.**
* Created reusable and modular **Helm** **charts** to simplify deployment and reduce configuration complexity.
* Built end to end **CI/CD Pipelines** in **Jenkins** to retrieve code, compile applications, perform tests and push build artifacts to Nexus Artifactory.
* Configured **GIT** with **Jenkins** and schedule jobs using **POLL SCM/Webhooks** option and integrated to automate the code checkout process.
* Utilized **Ansible** and **Ansible Tower** as Configuration management tool, to automate repetitive tasks, quick deploys in critical applications, and proactively manage changes.
* Implemented and managed **Chef server**, **Chef Automate**, and **Chef Habitat** to provide end-to-end automation and visibility into infrastructure and applications.
* Wrote **Maven**, **Ant,** and **Gradle Scripts** to automate the build process. Managed the **Maven Repository** using **Nexus** and used the same to share the snapshots and releases of an internal project.
* Employed Disaster Recovery setup and implementation of cost optimization techniques using automation scripts **Ruby** and **Python**.
* Build, Enhance, Optimizes data pipelines using reusable frameworks to support data need for the analytic s and business team using **Spark** and **Kafka**.
* Setup **Tomcat**, **JBoss**, **WebLogic,** and **WebSphere** Application servers for deployment and worked with multiple databases like **MongoDB, Cassandra, MySQL, PostgreSQL, and ORACLE**.
* Expert in trouble shooting **Linux Servers**, resolving boot issues and maintenance of server issues using rescue mode and involving in building new Linux Physical and Virtual servers using kickstart and PXE boot.
* Used Bug tracking tools like **JIRA, Bugzilla, and Mantis.**
* Implemented and maintained monitoring, alerting, and logging systems using tools such as **Prometheus, New Relic, Grafana,** or **ELK stack** to ensure the health and performance of the infrastructure and applications.
* Skilled in facilitating **Agile** ceremonies such as sprint planning, daily stand-ups, sprint reviews, and retrospectives.
* Wrote **Splunk queries** and monitored, analyzed, and visualized **Splunk logs.**
* Good at practicing **ITIL Process** at delivery, preparing **RCA reports** and daily health check templates and creating process documents if required.
* Ensuring that the goals of the **Incident Management process** are achieved; restoring normal service as

soon as possible based on customer perspective and within defined SLA; detecting, logging, categorising and prioritising incidents; providing initial Incident Support.

**CERTIFICATIONS:**

* **AWS Certified Solutions Architect – Associate.**
* **Microsoft Certified: Azure Administrator Associate.**

**TECHNICAL SKILLS:**

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| --- | --- |
| Operating Systems | Linux (Red Hat 6/7, CENTOS & SUSE), Ubuntu,  Windows Server 2008/2008 R2/ 2012/2012 R2. |
| Application Servers | WebLogic Application Server 9.x, 10.x, Apache Tomcat 5.x/7.x,  JBoss 4.22.GA, WebSphere 6.x/7.x/8. x. |
| Web Servers | Tomcat, APACHE 2.x, 3.x, JBoss 4.x/5.x, WebLogic (8/9/10),  Web Sphere 4.0/5.0, Nginx, Jetty (8, 9.2 and 9.3) |
| Databases | Oracle, MySQL, MS SQL, Mongo DB, Dynamo DB. |
| Volume Manager | Solaris Volume Manager, LVM with Linux. |
| Backup Management | Veritas NetBackup 4.x/5.x/6.x, Veeam backup |
| CD/CI orchestration tools | Jenkins, Travis CI, GitLab, Circle CI, Google Cloud Build |
| Cloud Environments | AWS, Microsoft Azure, Google Cloud Platform, OpenStack. |
| Configuration Management | Chef, Puppet, Ansible, Salt stack. |
| Orchestration Tools | Kubernetes, Docker, OpenShift Nomad. |
| Source-code Management tools | GIT, GitHub, Subversion, CVS, Bitbucket, Mercurial. |
| Monitoring Tools | Nagios, CloudWatch, Splunk, ELK, Datadog, AppDynamics, New Relic. |
| Build Tools | Maven, Gradle Sonar, Ant. |
| Networking Protocols | TCP/IP, DNS, DHCP, WAN, LAN, FTP/TFTP, SMTP. |
| Virtualization Technologies | VMware, Windows Hyper-V. |
| Programming & Scripting | Terraform, Python, Ruby, Bash, Groovy, PowerShell, Ansible. |
| Bug Tracking Tools | JIRA, Code Climate, Azure DevOps |
| Repository Management tools | Artifactory, Nexus, Docker Hub, Azure Artifacts |
| CI/CD Tools | Jenkins, Bamboo, Azure DevOps, Team City, Octopus Deploy. |

**PROFESSIONAL EXPERIENCE**

**AWS DevOps Engineer**

**CVS Health, FL, USA May 2022- Present**

* Involved in designing and deploying a multitude of applications utilizing **AWS** stacks including **EC2**, **Route53, S3, RDS, Dynamo DB, SNS, SQS, LAMBDA, Redshift**, focusing on high-availability, fault tolerance, and auto-scaling in AWS cloud formation.
* Supports dozens of AWS implementations; including **Amazon EC2 (IaaS)** and all **Amazon RDS (DBaaS)** offerings-AWS services include provisioning, implementation, migration, heterogeneous conversions and ongoing administration and monitoring support for **SQL Server, Oracle, MySQL, MariaDB, PostgreSQL and Amazon Aurora**.
* Migrating an infrastructure into an Amazon Web Services utilizing **AWS Cloud formation, Code Deploy, EBS** and launched the environment in **VPC**.
* AWS **CloudFormation** templates were created to establish custom sized **VPCs**, **subnets**, and **NAT instances** to ensure the successful deployment of Web applications and database templates.
* Employed automation, utilizing **Terraform** scripting practices and **CloudFormation** templates, to ensure repeatable deployments and for automating the **AMI** image deployment.
* Familiarity with **Redshift** security best practices, including IAM policies, VPCs, encryption, and audit logging.
* Creating and designing the **Terraform** templates to create customized **VPC** and **NAT subnets** for the deployment of Web application and database templates.
* Used **Terraform** modules to deploy EC2 instances from **AWS SMS produced AMIs** into the client's infrastructure, as well as to automate the entire process by connecting Terraform with **Jenkins**.
* Implemented **AWS Code Pipeline** and created cloud formation (JSON) templates in **Terraform** for infrastructure as code.
* Worked with **Lambdas** integrated with **Elastic Search** and **Kibana** to store certain log metrics and monitor cluster health in UI.
* Created and deployed **RESTful APIs** using **API Gateway** and **Lambda** functions using Cloud Formation templates and **AWS Serverless Application Model**.
* Employed **Apache Kafka** on **EC2** to provide a scalable solution for ingesting streaming data**.**
* Implemented a **Docker delivery pipeline** allowing for CI/CD of Java tomcat web service containers.
* Deployed application which is containerized using **Docker** onto a Kubernetes cluster which is managed by **Amazon Elastic Container Service** for Kubernetes (**EKS**).
* Worked on Deployment Automation of all micro-services to pull image from Private **Docker registry** and deploy to **Kubernetes** Cluster.
* Created Clusters using **Kubernetes kubectl** utilityand worked on creating many pods, replication controllers, services, deployments, labels, health checks and ingress by writing YAML files.
* Worked on rolling updates using the deployments feature in **Kubernetes** and implemented **BLUE** **GREEN** deployment to maintain **zero downtime** to deploy process in **Tomcat**, and **Nginx** using **Python** and **Shell** Scripts to automate log rotation of logs from web servers and automate administration tasks.
* Used **Ingress Resources** in **Kubernetes** to support a high-level abstraction that allows simple host or URL or HTTP-based routing and used it to expose the applications.
* Authored **Ansible Playbooks** with **YAML** scripting and **Puppet Manifests** with **DSL** to provision Nginx, Apache Spark, Apache Web servers, and Tomcat servers.
* Build pipelines using **Jenkins** and configured **Jenkins** with the Amazon EC2 plugin that allows Jenkins to start slaves on **EC2** on-demand and kill them as soon as they become idle.
* Worked on using **GIT webhooks** in Jenkins to trigger code and automate the CI/CD build process.
* Worked on build tasks using **Maven, Ant, Gradle** and **GNU Make files** and worked with development team to migrate Ant scripts to Maven.
* Performed tuning and troubleshooting **Java** and **JS** application by performing thread and heap dump analysis and utilizing profiling and monitoring tools like **Dynatrace** and **Google Dev** tools. Also, provided log monitoring solutions like **Splunk** and **ELK** stack.
* Automated manage search engines thru **Apache Solr** for document-based NoSQL database with transactional support and used for storage purpose in AWS environment management.
* Authorized **pom.xml files**, performed release with the **Maven release plugin**, and managed artifacts in the Sona type NEXUS repository.
* Worked on creating various types of indexes on different collections to get good performance in **MongoDB** database.
* Worked on setting up **Splunk** to capture and analyze data from various layers Load balancers, Web servers and application servers.
* Utilized **Python**, **jQuery**, and **Java** etc. to design server applications and client interfaces.
* Developed **Unix** Shell scripts, **Perl scripts,** and **SQL control file**s to load data through **SQL Loader** & **Oracle data pump** and communicated with database using **Perl DBI**.

**Environment**: AWS, ELK (Elasticsearch, Logstash, and Kibana), GIT, Jenkins, Kubernetes, Docker, Apache Kafka, Chef, Ansible, Terraform, JIRA, Python, PowerShell, Apache Tomcat, CloudWatch, Splunk, MongoDB, AWS Aurora, MySQL, Maven, Nexus.

**DevOps Cloud Engineer**

**Cloud4C Services Inc, Lewes, DE April 2020- Jan 2022**

* Worked on migrating applications from On-Premises data centers to **AWS** cloud for our PANASONIC client.
* Experienced in Infrastructure Automation tools like **Chef, Puppet, Ansible, CloudFormation, Terraform.**
* Worked with **OpenShift** platform in managing **Docker** containers and **Kubernetes** Clusters.
* Build and deploy **Docker containers** to break up monolithic platform into micro-services, improving developer workflow, increasing scalability, and optimizing speed.
* Created clusters of instances running on **Kubernetes** and pushing them into **Google Cloud** using **Jenkins** and deploying them into hosting environments using **GCP's Containers as a Service (CAAS).**
* Setting up **Jenkins CI/CD pipelines** for continuous build & deployment of automated testing and delivery of Chatscrum application.
* Familiarity with **Agile** development practices such as test-driven development, continuous integration, and continuous delivery.
* Wrote **groovy scripts** to set up job **DSL** within **Jenkins** and to develop **Jenkins Pipeline jobs.**
* Created **Python** **Scripts** to Automate AWS services, include **web servers, ELB, CloudFront Distribution, database, EC2,** s**ecurity groups, S3 bucket** and **application configuration**, this Script creates stacks, single servers or joins web servers to stacks.
* Hands on experience on cloud automation, **Containers** and **PaaS** (Cloud foundry) which helps to trigger the inherent originality of an individual using **Terraform**.
* Experience in deploying and operating a broad range of AWS technologies **(EC2, S3, VPC, IAM, Cloud Formation, CloudWatch, AWS CodeComit, AWS CodeBuild and AWS CodeDeploy)** etc**.**
* Experience with database integration in **Node.js applications**, including integration with AWS RDS, DynamoDB, and other AWS data stores.
* Configuring **Elastic IP address** for AWS instance, so that if the instance or the software fails, you can rapidly remap the address to another instance.
* Experience with server-less architecture such as **Lambda**, **ECS, Fargate**.
* Proficient in managing load balanced environments **(ELB)** & Multi-regional server environments (**AWS** Regional nodes managed via **Chef** Roles).
* Migrated on-premises web application to **Azure Pipelines** by utilizing ARM templates, VPN gateway, site-to-site IPsec/IKE VPN, DNS server Firewall, and Application Gateway.
* Involved in design and development of application built in **Java/J2EE** using **Struts, Spring**, and **Hibernate.**
* Written multiple **cookbooks** in **chef**, implemented environments, roles, data bags in chef for better environment and security management.
* Setting up **Ansible roles** and **playbooks** for configuration management, provisioning and application deployment to remote servers.
* Designed interfaces using **HTML, JSP, Server-Side** components using **Servlets**.
* Involved in setting up **PostgreSQL** and writing queries to validate data.
* Strong understanding of **Redshift's** architecture and its integration with other AWS tools like S3, EC2, and Lambda.
* Managed the **Maven Repository** usingthe **Nexus** tool to automate the build process and used the same to share the snapshots and releases of internal projects
* Managed configuration and deployments for SIT, UAT, staging, and pre-production environments that have a **WebSphere application server**.
* Setting up **MYSQL** with **REDIS** to improve database performance.
* Set up **AWS client VPN** for different AWS accounts in different environments.
* Performed **SVN** to **GIT/Bit Bucket** migration and managed branching strategies using **GIT** workflow and Managed User access control, Triggers, workflows, hooks, security, and repository control in Bit Bucket/GIT**.**
* Configuring a **Webhook** on a git source to trigger auto build when a push event happens on GitLab.
* Used **CloudWatch** logs to move application logs to **S3** and create alarms and monitor logs, based on application requirements.
* Developed **Snowflake** procedures for executing branching and looping.
* Monitored and maintained the **AWS S3** buckets, which contained all the packets of each build. Each packet had metadata files, which were extracted to proceed with the flash testing.
* Used **Jira** as ticket tracking and workflow tool.
* Strong Customer Centric Approach with excellent analytical, coordination, presentation and leadership skills; skilled in grasping the big picture and conceptualizing solutions.
* I have used **Nagios** to monitor the resource utilization for each application and the applications/server's health.

**Environment**: AWS, Azure, Terraform, Docker, Jenkins, SVN, GIT, Kubernetes, Chef, Ansible, Python, CloudWatch, Maven, Groovy, REDIS, WebSphere,  PostgreSQL**,** Nagios.

**Cloud Engineer**

**Cloud4C Services Inc, Lewes, DE Nov 2018- March 2020**

* Experienced in implementing **PaaS, IaaS, SaaS** style delivery models inside the Enterprise (Date Center) and Public Clouds using **AWS.**
* Implemented automation and configuration management using tools such as **Ansible, Terraform, or CloudFormation** to ensure consistency and scalability of infrastructure.
* Created CI/CD pipelines using **Jenkins, GitLab CI, or CircleCI** to automate software delivery and testing.
* Optimized cloud costs by analyzing usage patterns and implementing cost-saving strategies, such as **Reserved Instances or Spot Instances**.
* Monitored and maintained cloud environments using tools such as **CloudWatch, Datadog, or Prometheus** to ensure system reliability and performance.
* Designed and implemented **disaster recovery** strategies using cloud-based backup and recovery services to ensure business continuity.
* Collaborated with security teams to conduct security assessments and implement security controls, such as **network security groups, firewalls, or WAFs**.
* Developed and maintained automated testing frameworks for cloud-based applications, including **load testing, integration testing, and regression testing.**
* Implemented serverless architectures using **AWS Lambda, Azure Functions, or Google Cloud Functions** to reduce infrastructure overhead and improve scalability.
* Written Templates for **AWS Infrastructure as code** using **Terraform** to build staging and production environments.
* Created **Azure DevOps** build and release pipelines, provisioned resources using **Bash, SHELL, PowerShell**, and **Terraform scripts.**
* Worked with **Azure Kubernetes Service** (AKS) to deploy a managed Kubernetes cluster in Azure and created an AKS cluster in the Azure portal, with the Azure CLI, made template driven deployment with Resource Manager templates and **Terraform.**
* Worked with different migration services like **AWS Server Migration** Service (SMS)to migrate on-premises workloads to AWS in faster and efficient way using re-host “lift and shift” methodology and **AWS Database Migration Service** (DMS), **AWS Snowball** to migrate large amounts of data and Amazon **S3 Transfer Acceleration**.
* Worked on **AWS Cloud Watch, Cloud Trail** services and **Cloud Front** to set up and manage cached content delivery.
* Proficient in using AWS services such as **CloudFormation, CloudWatch, and SNS** to automate deployment, monitoring, and management of **Node.js applications**.
* Implemented a centralized logging system using **log stash** configured as an **ELK stack**, **AWS Cloud Watch, VPC Flow logs**, **Cloud Trail Events**, changes in **S3,** etc.
* Used Amazon **RDS and DynamoDB** to migrate on-premises **MySQL, PostgreSQL, MariaDB,** and **Cassandra databases** toAWS**.**
* Ability to troubleshoot and resolve issues related to **Redshift clusters**, such as node failures, data corruption, or performance bottlenecks.
* Using **GIT** repository for storing **Terraform** files and maintaining versioning.
* Installed and Configured **Jenkins Plugins** to support the project-specific tasks and Automated deployment of builds to different environments using **Jenkins.**
* Contributed to the development of **Docker containers** and **Docker consoles** for application lifecycle management.
* Using **Kubernetes,** created clusters and worked on authoring **YAML files** to create numerous pods, replication controllers, services, deployments, labels, health checks, and ingress.
* Developed **OpenStack** infrastructure with automation and configuration management tools such as **Ansible, Puppet,** or custom-built cloud hosted applications.
* Experienced in writing **Chef Recipes** to automate our build/deployment process and do an overall process improvement to and manual processes and managed many software configuration files by using Chef.
* Worked with **Ansible** for Orchestration of Deployments for various servers and managed **Ansible Playbooks** with **Ansible modules**, implemented CD automation using Ansible, also involved in managing existing **Tomcat** Webserver and automated the configuration of new servers.
* Well used and experience in deploying the code through web application servers like **WebSphere, WebLogic, Apache Tomcat.**
* Proficient in using Agile project management tools such as **JIRA, Trello** to track project progress and manage backlog items.
* Implemented **groovy shared libraries** in Jenkins for making the Jenkins process easily and implemented the **webhooks**.
* Managed and Upgraded existing virtual infrastructure to ensure optimal performance and reliability, utilizing tools such as **vShpere Update Manager** and **vRealize Operations manager**.
* Experience in Migrating workloads from On-Premises data centers to VMC, Using tools like **VMware HCX** or **AWS Direct Connect.**
* Implementing and Maintaining backups and replications using VEEAM tools.

**Environment:** AWS, Azure, VMWare**,** VEEAM Backups, Kubernetes, Ansible, Chef, Python, Shell, Ruby, Maven, GIT, Bash, Docker, Jenkins, Python, Tomcat, WebSphere.

**Build and Release Engineer**

**CTRLS data centers, HYD, INDIA Nov 2017- Oct 2018**

* Coordinating Release effort amongst various teams (**Development, QA, performance Testing and Production**) in geographically separated environment.
* Understand and follow pre-defined procedures for release management, change management and configuration management.
* Activities include user administration, startup, and shutdown scripts, crontab’s, file system maintenance backup scripting and automation using **PERL**, and **SHELL** scripting (BASH, KSH) for **Red Hat Linux systems**.
* Generated and maintained the Project **SCM** plan.
* Responsible for testing and production of web applications in **TEST/STG/PROD** environments.
* Responsible for nightly and weekly builds for different modules. Operations, Custom Shell scripts, **Ruby** scripts, **VM,** and Environment management.
* Extensive experience with **GIT** in a team environment on UNIX and Windows platforms automated the regular tasks in Subversion and Streamlining the process of access to **SVN**.
* Supported **parallel development** by creating multiple DEV branches, by performing merges in **Subversion**.
* Merged **release** **branches** to the trunk after the production release and resolved the conflicts that arise during the merge in **Subversion.**
* Configured local Maven repositories and multi-component **ANT** projects with Nexus repositories and scheduled projects in Jenkins for continuous integration.
* Written **Selenium** scripts and used them for unit testing and integration testing.
* Supported physical servers and virtualized servers. Worked with other engineers to support SANs (NetApp, Pure Storage) and **VMWare** hosts.
* Implemented Disaster Recovery and business continuity plans using **VMWare site recovery manager**, including Failover and Failback procedures.
* Implemented security best practices, such as VMWare NSX, vSphere hardening, and virtual machine encryption.
* Create, maintain and customize complex JIRA project configurations including workflows, custom fields, permissions and notifications.
* Conducted performance testing of **Apache** and **Tomcat** management services.
* Implemented unit testing framework driven using **Junit** and **Cucumber**.
* Install, configure, update and troubleshoot services for customers, such as OS level concerns, web server, database server, applications server and mail; includes Nginx, Apache, PHP, MySQL, FTP, SSH and DNS.
* Designed and implemented monitoring and alerting systems, utilizing tools such as **Prometheus, Grafana, or ELK stack** to ensure proactive detection and resolution of issues.
* Closing incidents after verification from users; defining and planning separate procedures for major incidents; ensuring adherence to SLA and priority based management.

**Environment:** VMWare, Subversion, Jenkins, TeamCity, Linux, Bash, GIT, Nexus, Java, ANT, Maven, PERL, Ruby, Puppet, Shell scripting, Python, Grafana, Prometheus, Selenium Junit.

**Sr. System Engineer**

**CTRLS data centers, HYD, INDIA Jan 2015- Oct 2017**

* Led the design, deployment, and maintenance of **complex infrastructure systems**, including Linux/Windows servers, storage, network, and security components.
* Worked in infrastructure team on installation, configuration and administration of **RHEL** **5.x/6.x/7.x** and **SUSE Linux 10.x/11.x.**
* Installed, configured and maintained **DNS servers, Mail servers, FTP servers, NFS, and RPM**.
* Performing migrations of applications from different UNIX servers like **Solaris, HP-UX to Red hat Linux**.
* Experience in managing various file systems using **LVM** and **SVM** and configured file systems through network using NFS, NAS, SAN methodologies and installed RAID devices.
* Working on **SSH** configuration file and fixing SSH access issues and changing default ports.
* Managing User accounts and giving share & security level permissions. Setting up **NFS** server and managing file/folder sharing.
* Resolving **TCP**/**IP** network access problems for the clients. Maintained various scripts for services (Start, Stop, Restart, recycle, CRON jobs) on **Unix based shell**.
* Configuration, upgrading and Maintaining of **VCS**, **VxVM** & **VxFS** tasks on Linux and Solaris servers like Disk Group creation, Volumes creation with mirror, stripping.
* Provisioning storage from **Hitachi Universal Storage** Platform 600/1100 to Windows, Solaris and Linux hosts using Storage Navigator GUI.
* Monitoring **HP 3par** performance issues and Suggesting customers on various performance related issues and providing suggestions to migrate storage pools.
* Extensive knowledge on **Zoning** in **Cisco** and **Brocade** switches. Zone creations, deletions, and modifications.
* Conducted capacity planning and performance monitoring, Utilizing tools such as vSphere performance charts, and ESXTOP.
* Working with **vSphere Update Manager** (Handling security issues by remediating vulnerabilities, patching, and performing upgrades like VMware Tools, VM Hardware version).
* Management of VMware advanced features like **VMotion**, **SVMotion**, **HA** and **DRS** clusters.
* Port group and VLAN management. Creation of Virtual Switches, Ports, and Port groups (Management Network, VMkernel & VM Network).
* P2V and V2V conversions and migrations using VMware Standalone converter and Starwind Converter.
* Perform **VAPT** (Vulnerability assessment and scanning test) and fixing it, to ensure high security at global network level.
* Worked closely with application development teams to ensure seamless integration and optimal performance of applications on the infrastructure.

**Environment:** Linux (RHEL, CentOS), Unix**,** Storage (HP, Hitachi, EMC, NetApp, Dell), VMWare, Windows, Networking, Databases (SQL, Oracle), Brocade & CISCO fabrics.