

SUMMARY

- Having Eight year's of experience in **Software Configuration Management (SCM)**. Extensive experience includes **SCM, DevOpsBuild/Release Management**, Change/Incident Management and **AWS Cloud Management**
- Managing server infrastructure and datacenter operation across multiple platforms (**Linux, windows**)
- Expert-level knowledge of **Amazon EC2,S3**, Simple DB, RDS ,Elastic Load Balancing, **SQS**, and other Services in the cloud infrastructure such as **IAAS, PASS** and **SAAS**.
- Deep experience with AWS components such as EC2, S3,Elastic IPs, EBS, Security Groups, Route53, VPC, Elastic Cache, Elastic Beanstalk, **RDS, Dynamo DB, Redshift and Cloud Formation**.
- Experience in administration of **MS SQL** server and **MySQL** in AWS cloud platform
- Configured **AWS IAM** and Security Group in public and private Subnets in VPC
- Architected, Designed and developed the Backup and Archiving, Disaster Recovery in **AWS Cloud**
- Demonstrate the capacity to deploy complex infrastructure using **AWS CLI**, Extensive Knowledge of **Openstack**.
- Expertise in version control system tools like **GIT**, Utilized configuration and automation tools such as **Chef and puppet**.
- Perform as **DevOps** enabler, specializing in **Agile**, Continuous Integration(**CI**), Continuous Delivery(**CD**), Cloud, Infrastructure as Code, Infrastructure Provisioning, Orchestration, Monitoring, Alerting and Service level Dashboards
- Experience with **Jenkins/Maven** deployment and building management system
- Hands on experience in development of utilities using **Shell and Python Scripting** to automate processes
- Strong perseverance and diligence towards attaining challenging goals and possess good communication skills and quick learning ability.
- Lead various Pilots to evaluate **DevOps tool** chain including **Ansible, Chef, AWS, Open Stack**, etc.
- Experience with Amazon's **AWS APIs**
- Good experience in Build Tools like **Ant, Maven**
- Hands on experience in using Continuous Integration tools like **JENKINS, Bamboo, Teamcity and BuildForge**
- Develop future state vision and build POC applying **DevOps/CD** best practices leveraging end-to-end automation related to People, Process and Tools.
- Involved in leading Automation Deployment Team by working with Puppet.
- Experience with cloud deployment, preferably **AWS (EC2, S3, VPC)**.
- Good understanding of the processes in Software Development Life Cycle
- Supporting scheduled builds using scripts and tools.
- Provide assistance to clients with the implementation of Configuration Management, Release Management and process creation and control through the use of **Subversion/GIT**.
- Configure all AWS services by using **python script**.
- Create and maintain server deployment **scripts (on AWS)**.
- Manage all AWS services by using **CLI(command line interface)**
- Manage infrastructure in **AWS**

TECHNICAL SKILLS

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|---------------------|----------------------------------------------------------------------|
| Devops Tools | Chef, puppet(basic knowledge),AWS. |
| Storage | Amazon Simple Storage service (S3), Elastic block storage (EBS) |
| Databases | Oracle 10g, IBM DB2 9.0, MySQL Server 2000, MS Access ,RDS, DynamoDB |
| Networking | Amazon VPC, CloudFront, Route 53 , ELB |
| Compute | Amazon EC2, Auto Scaling , Elastic load Balance(ELB) |

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|--------------------------------|--------------------------------------------------------------|
| Monitoring | cloud watch All AWS services by using AWS management console |
| Security Identity | IAM , Amazon inspector |
| AWS Directory Service | Cloud Directory , AWS key management service |
| Infrastructural Servers | DHCP, DNS, SMTP, FTP, TFTP. |
| Application Server | Apache Tomcat ,IBM WEB Sphere, Web Logic 7.0/8.0 |
| Application service | Amazon API Gateway, aws setup Functions |
| Build Tools | Ant, Maven |
| Programming languages | SQL and Python , shell script |
| Continuous Integration | Jenkins, Hudson, Bamboo, Teamcity |
| Operating systems | Windows XP, NT, 2003, 2000, 98, 95, Linux |
| Messaging | SQS, SNS, SES |
| SCM Tools | Subversion, GIT, Perforce, PVCS |

PROFESSIONAL EXPERIENCE

Company Name :American Airline(Dallas TX)

Position: AWS DevOps engineer

July-2016 To till date

Responsibilities:

- Involved in designing and deploying a multitude applications utilizing almost all of the AWS stack (including **EC2, Route 53, S3, RDS, Dynamo DB, SNS, SQS, IAM**) focusing on high- availability, fault tolerance, and auto- scaling.
- Migrated the current Linux environment **to AWS/RHEL Linux** environment and used auto scaling feature.
- Install and configure **chef server /workstation and node via CLI** tools to aws nodes.
- Increasing EBS backed volume storage capacity when the root volume is full using aws EBS volume feature.
- Created AWS Route53 to route traffic between different regions.
- Deployment and supported Memcache-**AWS Elastic Cache**.
- Created S3 backup using versioning enable and move objects to Amazon Glacier for archiving purpose.
- Used chef for configuration management.
- Used GZIP with AWS Cloudfront to forward compressed files to destination node /instances.
- Created users and group using IAM and assigned individual policies to each group.
- Created SNS Notification and assigned ARN to S3 for object loss notifications.
- Created Elastic load balance (ELB) and used Route53 with failover and latency options for high availability and fault tolerance.
- Configuration security group for **EC2 window and Linux instances**.
- Experience with monitoring tools as cloud watch .
- Good understanding of **ELB, Security groups, NACL, NAT, firewall and Route53**.
- Designed and developed automation test script using python.
- Environment **AWS EC2, VMWare, Windows 2008,Tomcat Apache, oracle, Cloud watch ,CLOUDFORMATION, LINUX,DATA CENTER, Migration aws** .
- AWS data backup (snapshot, AMI creation) techniques, along with data-at -rest security within AWS.
- Provide assistance to clients with the implementation of Configuration Management, Release
- Worked with Jenkins/Maven deployment and building management system
- Involved in leading Automation Deployment Team by working **with Puppet**.
- Designed, configured and deployed Amazon Web Services AWS for a multitude of applications utilizing the AWS stack (Including **EC2, Route53, S3, RDS, Cloud Formation, Cloud Watch, SQS, IAM, and EMR**), focusing on high-availability, fault tolerance, and auto-scaling.
- Develop tools to automate the deployment, administration, and monitoring of a large-scale **AWS Linux environment using Chef**.

PROFESSIONAL EXPERIENCE

Company Name : Yahoo!(Sunnyvale CA)

Dec-2015 To Jun-2016

Position: AWS DevOps Engineer

Responsibilities:

- Migrated the current Linux environment to **AWS/RHEL Linux** environment and used auto scaling feature.
- Install and configure **chef server** /workstation and node via CLI tools to **aws nodes**.
- Increasing EBS backed volume storage capacity when the root volume is full using aws EBS volume feature.
- Created **AWS Route53** to route traffic between different regions.
- Deployment and supported Mem cache-AWS Elastic Cache.
- Created S3 backup using versioning enable and move objects to Amazon Glacier for archiving purpose.
- Used chef for configuration management.
- Creating the automated build and deployment process for application, re-engineering setup for better user experience, and leading up to building a continuous integration system for all our products.
- Developed tooling for encrypting chef data bags with out access to **chef server**
- Installation and **troubleshooting GIT** related problems.
- Work with different team members for automation of Release components.
- Deployment of single, bulk releases on different test and production environments
- Monitored the logs from **Apache, Tomcat** and other services that running in a Linux Box
- Security measures blocking unnecessary ports and restricting user's remote logins
- Troubleshooting communication issues with **CHEF client nodes and CHEF** servers.
- Worked on Maven creating artifacts through source code and internal deployment in Nexus repository.
- Integrated Subversion for automating builds with **Jenkins**.
- Helped developers to resolve subversion code merging issues.
- Installed and Configured the **Apache Tomcat** application servers for Dev and Integration Test Environments.
- Extensive exposure to Configuration management policies and practices with regards to **SDLC** along with automation of scripting using **shell, Python scripting**

PROFESSIONAL EXPERIENCE

Company :Cognizant(San Ramon CA)

Nov-2014 To Oct-2015

Position: AWS Devops engineer

Responsibilities:

- Assisted senior-level administrators in various aspects of Linux (Red Hat) server administration including installing and maintaining the operating system software, performance monitoring, problem analysis and resolution and production support.
- Performed basic system monitoring, verified the integrity and availability of all hardware, server
- Monitored load and performance on the infrastructure and added capacity as needed
- Improve system performance by working with the development team to analyze, identify and resolve issues quickly.
- 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**
- Managed UNIX platform and created virtual machines
- Worked on various UNIX servers (core dump and log file analysis) for configuring and troubleshooting along with analysis of hardware and software failures
- Working with AWS services such as **EC2, ELB, Auto-Scaling, EC2 Container Service, S3, IAM, VPC, RDS, DynamoDB, Certificate Manager, Cloudtrail, Cloud Watch, Lambda, Elastic Cache, Glacier, SNS, SQS, Cloud Formation, Cloud Front, EMR, Workspaces, Elastic File System, Storage Gateway**
- Maintenance level upgrades and software administration RPM installation on Linux using yum.
- Used **chef** for configuration management
- Involved in leading Automation Deployment Team by working with **Puppet**.
- Administrating ES Xi 4.1, 5.1 Hosts and Clusters on vCenter Server 5.1. Using vSphere Client 5.1, VMware Site Recovery Manager.
- Monthly security patches deployment on 200+ test and production servers
- Lead various Pilots to evaluate DevOps tool chain including **Ansible, Chef, AWS, Open Stack**, etc.

- Integrated Subversion for automating builds with Jenkins.
- Experience in Configuring and Managing **Virtual Disks**, Disk Mirrors & RAID Levels.
- Deployed Puppet, Puppet Dashboard, and PuppetDB for configuration management to existing infrastructure.
- Send mail configurations and administrations, securing the mail servers.
- Disk and file system management through Veritas Volume Manager / Veritas File System and Solstice Disk Suite.
- Involved in Implementing and Administrating enterprise level data backup and recovery
- Installation and configuration of Web Application servers like **Apache, Tomcat and Weblogic**.
- working in Cloud infrastructure using Hitachi/EMC SAN
- Creating File System, managing & checking data consistency of the File System.
- Troubleshooting hardware, software and operating system related errors on Linux including Hardware Maintenance and Upgradation.
- User, Group creation; Monitoring and maintaining logs for system status/system health using Nagios, Top, system monitor.
- Performing O/S and kernel upgrades on **Linux servers**.
- Application supporting ftp ids creation on regular basis.

PROFESSIONAL EXPERIENCE

Company Name :INFOSYS (India)

Aug-2009 To June-2013

Position: AWS CLOUD AND LINUX ADMIN

Responsibilities:

- Maintenance level upgrades and software administration **RPM** installation on Linux using yum
- Creating File System, managing & checking data consistency of the File System.
- Experience in Linux Administration (Installation, Configuration, Tuning and Upgrades of Linux (**Red Hat and Oracle**))
- Worked with DBAs on installation of RDBMS database, restoration and log generation.
- Resolved system issues and inconsistencies in coordination with quality assurance and engineering teams.
- Systems monitoring and administration of Servers for day-to-day problems, patches, user administration, hardware failure, monitoring log files, backup, software up gradation, configuration changes and documentation.
- Performed basic system monitoring, verified the integrity and availability of all hardware, server
- Monitored load and performance on the infrastructure and added capacity as needed
- Improve system performance by working with the development team to analyze, identify and resolve issues quickly.
- 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**
- Managed UNIX platform and created virtual machines
- Deployment of single, bulk releases on different test and production environments
- Used create **EC2 instances** for windows server and linux server
- Uploaded data into **S3 Bucket** given permission to retrieve the Data from any where
- Used created IAM users for AWS
- Hands on experience in development of utilities using **Shell and Python Scripting** to automate processes
- Strong perseverance and diligence towards attaining challenging goals and possess good communication skills and quick learning ability.
- Experience with Amazon's **AWS APIs**
- Participated in weekly release meetings with Technology stakeholders to identify and mitigate potential risks associated with the releases.
- Perform periodic system audits on all environments to ensure that only controlled versions of software reside all environments.
- Responsible for the development and maintenance of processes and associated **scripts/tools** for automated build, testing and deployment of the products to various developments.