Hands-on with AWS environment including VPC, EC2, EBS, S3, RDS, SQS, Cloud Formation, Lambda and Redshift.

Implement Auto scaling for instances under ELB using ELB Health Checks.

Hands-on with S3 bucket, IAM and its policy management to restrict users to particular AWS Resources.

Hands-on AWS Storage Gateway, Code Deployment, IDS/IPS solution for security of web applications including Directory Service, Route 53, Cloud front,

〓 AWS EC2, EBS, VPC and other AWS services.

〓 Familiar in Amazon S3 - To Create Buckets, Upload Data, Set Permissions

〓 Familiar in How to Setup Amazon Web Services EC2 Instance with Apache, PHP, MySQL

* 〓 Creating a VPC, Subnets, and Base Security Groups Hands on experience of AWS services in the process of providing cloud based solutions to client.
* Hands on Experience on AWS CLI ( Command Line Interface)
* Expertise in creating backup of EBS and restoring it in the desired region
* Expertise in managing Auto scaling and Cloud watch services for applications
* Experience in creating Highly available VPC for applications with high security using NACL and Security Groups.
* Experience in configuring and using S3FS and S3cmd for artifact storage management and backups.
* Hands on experience in establishing different environments using Elastic Beanstalk.
* Knowledge on Cloudformation and Terraform to manage the Infrastructure of AWS Resources
* Configure, monitor and automate Amazon Web Services.
* Created and managed custom CentOS and Linux based AMIs.
* Involved in deploying the content cloud platform on Amazon Web Services using EC2, S3.
* Creating S3 buckets and also managing policies for S3 buckets
* Setup Elastic Load Balancer for distributing traffic among multiple Web servers.
* Creating backup of EBS volumes and restoring it.
* Ensuring the servers to sustain the load by configuring Elastic load balancer &Auto scaling.
* Enabling highly available & robust virtual private cloud to ensure the network isolation from public cloud and securing them with Security groups and NACL.
* As most of the infrastructure is hosted in AWS cloud I am responsible for creating and managing EC2 Instances.
* Configuring EC2 instances with Playbooks to enable environment for deployment.
* Maintaining AMIs of the Configured Ec2 instances.

Experience with AWS technologies - Cloud Formation, VPC, CloudWatch, EC2, S3, RDS, AutoScaling, ELB, ECS, Route53

Minimum with Linux server administration - RHEL, Amazon Linux, Ubuntu, Centos

- Deep knowledge of automation scripts and tools like bash

Experience in configuration management using tools such as Ansible

Essential experience in scripting (shell/bash, python) languages

Good to have experience with Monitoring and Alerting tools (ELK, Zabbix, Splunk)

Familiarity with DevOps tools: Jenkins, Docker and Git

Experience in designing and implementing Release Automation in a CI/CD environment using GIT, Jenkins, Nexus, Octopus, AWS Code pipeline, Bash/PowerShell, Travis CI, Bamboo, Ansible, Chef, Puppet, Maven, Gradle, Artifactory, Lagom

Experience with containers using Docker and Kubernetes

Web and App server experience (IIS, Tomcat, Apache, WebSphere etc.)

Experience in NOSQL databases, like Couchbase, is a plus

**AWS:**

**OS**

* Should have strong OS administration, Managing User / Group Administration skills on Linux.
* Experience of Linux Systems. Installation, Configuration and maintaining services of LAMP setup (Linux, apache, MySQL, php).
* Experience about managing cPanel and WordPress sites, DNS, Name server, email server (Eg: postfix,iredadmin)configuration.
* Experience in Software and Patch management, Monitor system performance, VPN management, Troubleshoot mail issue.
* Set the infrastructure monitoring, backup reporting, and website monitoring alerts.
* Infrastructure and Application monitoring across production and non-production platforms.
* Familiar with the fundamentals of Linux scripting languages (basic shell scripting Exp: Backup, monitoring the servers, etc.)
* Familiar with the configuration and maintenance of server and network hardware and peripherals.
* Setup security policies for users. A system admin must have a strong grasp of computer, website security (e.g. firewalls and intrusion detection systems).
* Implements backup and restore management process for Database, Applications, File system.
* Analyze and diagnose system failures recover and restore operating systems and file systems.

**OTHERS**

Experience with Web hosting, DNS Management, Virtual Hosting.

**Troubleshoot**

Should know how to debug/troubleshoot hard disk, memory issues.

**TODO**

**Experience in designing and developing high volume, low latency systems on AWS using technologies such as EC2, ELB, Auto Scaling, Route 53, S3, Cloud Formation**

**Experience in designing disaster recovery on Cloud based environments**

**Management and connectivity of Hybrid cloud environments**

**Ability to create and instantiate AMIs, billing management, scalability of applications and environments, setting up or modifying new instances, high availability/DR, performance, multi-region strategy and implementation**

**1. Architect, Design and Assist in deploying dynamically scalable, highly available, fault tolerant, and reliable enterprise applications on AWS.**

**2. Proven track record on migrating complex, multi- tier enterprise application to AWS and providing efficient cloud solutions.**

**3. Implement cost control strategies and optimization of existing AWS services, understand the metrics of AWS processes for recommendations on cost savings.**

**4. Hands on with AWS console management and understanding of service lifecycles.**

**5. In depth knowledge on EC2, S3, EBS ELBs, Route53, VPC, IAM,AMI, RDS with Databases(RDBMS, NoSQL) and its corresponding web services.**

**6. Good with AWS security management and enterprise application security knowledge.**

**7. Evaluate cloud application requirements and make architectural recommendations, provisioning applications on AWS etc.**

**8. Minimum 4+ years of AWS experience with good track record on architecting AWS cloud solutions for enterprise applications.**

**9. Good with Unix shells, networking and OS environments to assist teams hands on when needed.**

- architect enterprise applications using AWS

- Understand cloud security for access identify management to security groups

- Understand how to deploy multi-tier application across a custom defined Virtual Private Cloud

- Ability to setup multi-level network environments with AWS

- Ability to design scalable, secure, reliable and efficient technical cloud ecosystems to support enterprise applications

involve building new cloud solutions

migrating an application to co-exist in the hybrid cloud

deploying a global cloud application across multiple countries or providing design guidance / POC for our managed services team for continuous optimization.

Hands on experienceon VPC, VPC Peering, VPC End Point, Auto Scaling, CloudWatch, SNS, CloudFormation, Lambda, EBS, S3.

Establish AWS VPN from AWS to On-prem, whenever required Build computing webservices (Amazon EC2, Amazon S3, Amazon DynamoDB, Amazon Redshift, AmazonCloudFront).

Provide expert adviceon cloud native and micro services based application solutions design, development, and resolution of technical issues.

Provide expert adviceon building solutions on AWS using third party tools (suchas Terraform, Asnible, Puppet etc. ).

Provide advice design, integration and implementation of cloud engineering and operations solutions Assist application development teams with cloud environment sizing, design of disaster recovery capabilities to meet the app needs Design and implement infrastructure environment.

provisioning, PaaS and / or entire application stack provisioning on cloud platforms Assist application development teams and client executives with management and governance of cloudcapability usage and support optimizing the consumption .

Support developmentand implementation of cloud management dashboards to enable monitoring andgovernance of cloud platforms Design and implement cloudsolutions.

Able to perform risk identification and mitigation. Able to provide issue management recommendationsas required. [SP1] Analyze, identify, breakdown, refine the existing requirements. Able to provide a high-levelfeatures list. Able to create or respond to user stories, in order toprioritize the execution of the functional and technical requirements. [SP2] Develop designdocuments for complex architectures and designs. Document bothhigh-level and detailed specifications for complex architectures and designs. Support proposaldevelopment and other pursuit activities Provide architectureand proof of concepts for migration exiting application to cloud environment Build meaningfulrelationship with clients Publish whitepapers / point of views and act as an evangelist to the Deloitte brand Work bothindependently or in a team-oriented, collaborative environment based on theproject requirements

Assist applicationdevelopment teams with cloud environment sizing, design of disaster recoverycapabilities to meet the app needs.

Hands on experienceon VPC, VPC Peering, VPC End Point, Auto Scaling, CloudWatch, SNS, CloudFormation,Lambda, EBS, S3.

Establish AWS VPNfrom AWS to On-prem, whenever required

Build computing webservices (Amazon EC2, Amazon S3, Amazon DynamoDB, Amazon Redshift, AmazonCloudFront)

Provide expert adviceon cloud native and micro services based application solutions design, development,and resolution of technical issues

Provide expert adviceon building solutions on AWS using third party tools (suchas Terraform,Asnible, Puppet etc.)

Provide advice design,integration and implementation of cloud engineering and operations solutions.

designing an enterprise server , network , and storage architecture to support a core business platform and additional services on an Amazon Virtual Private Cloud.

designing the overall Virtual Private Cloud VPC environment including server instance , storage instances , subnets , availability zones , etc.

Experience of designing the AWS network architecture including VPN connectivity between regions and subnets

Should know how to design the AWS AMI architecture including machine templates and blueprints

Knowledge of designing the HA / DR strategies.

Strong understanding of the EC2 instance types and ability to create the BoM on AWS based on the application usage needs

Strong Experience in designing & implementing security (with VPC, IAM, Security Groups, UTM solutions, NACLS etc.)

Strong understanding of AWS Storage, Database, Security services

Strong understanding of AWS billing and ability to provide cost optimal architectural designs

Demonstrated knowledge of standard IP networking technologies, switching, routing, firewalls, load balancing, DNS, DHCP, etc

Broad exposure to Open Source tools to include automation, security, networking and database

Evaluate the applications deployed in production and make recommendations to improve security, scalability, performance and availability

- Experience in architecting Cloud automation and configuration management solutions using infrastructure as code and working with tools, including CloudFormation, Chef, Puppet, Ansible, Salt, and Docker

- Experience with a breadth of technologies across operating systems, application servers, database and middleware infrastructure, including Linux and Windows environments

- Possession of excellent oral and written communication skillsMinimum 5+ years of good hand-on experience with AWS foundation services related to compute, network, storage, content delivery, administration and security, deployment and management, automation technologies.

Strong architecture & design experience of Deploying Enterprise applications on AWS, monitoring and performance tuning of deployed applications on AWS

Expertise in Infra capacity sizing, costing of AWS services to drive optimized solution architecture, leading to optimal infra investment vs performance and scale

Expertise in articulating architectural choices within various AWS services and solution methodologies

Proficiency in AWS Data PaaS (EMR, S3, Glue, Redshift, DynamoDB, Elasticsearch).

"1. Evaluate, Design & Plan deployment of infrastructures for Public cloud based multi-tenant services in AWS, Google Cloud, Azure, etc. and Private cloud based multi-tenant services in VMware vCloud, Openstack, etc.

2. Evaluate, Design & Plan deployments of Cloud Connectivity like Direct Conenct, Express Route, etc.

3. Evaluate Design & Plan Application migration to PaaS/SaaS in AWS, Google Cloud & Azure

4. Design & Plan load balancing, appServer clustering, network, Infrastructure and Single Sign-on based web application development in cloud

5. Design & Plan deployment of configuration management tools such as chef, puppet or ansible

6. Design & Plan Security in cloud for Servers, Network & Storages

7. Evaluate & Design Hybrid cloud/Multi cloud migrations

8. Design Monitoring of Cloud services using NewRelic, CloudWatch, Prometheus, or Zabbix

9. Design Networking and Perimeter devices such as Firewall, Load Balancers, Routers and Content Filters

10. Design & Plan migartion of databases, including database design, querying, loading and performance optimization to cloud

11. Automation & Cost optimization methodologies in cloud

12. Work closely with Business, Application & Operations team to identify cloud requirements & provide solution"

understand current application workloads, Understand and document technical requirements from clients, Define Migration strategy to move application to cloud, Develop architecture blueprints and detailed documentation.

Create bill of materials, including required Cloud Services (such as EC2, S3 etc.) and tools.

AWS infrastructure experience on EC2, ECS, VPC, Direct Connect, S3, RDS, analytics, and application services.

Ability to deploy multi- tier application across a custom defined Virtual Private Cloud.

Ability to design scalable, secure, reliable and efficient technical cloud ecosystems to support enterprise applications.

Amazon Cloud arcitecture for scaling and elasticity. Experience advising on best practice guidelines for migration of services to the cloud considering the various cloud migration techniques.

Make recommendations on performance optimization on AWS with know how on bandwidth (Vertical and Horizontal) of AWS services

Design and Develop highly scalable, available and reliable systems on AWS.

Develop strategies for shift of on-premise systems to AWS

Develop cost optimal solutions for ingress and egress of data between AWS and on-premise applications.

Lead the process of selecting the appropriate AWS services based on Non-functional requirements and budgets.

Define and develop the AWS standards, best practices and organizational capability.

Participate and provide solutions during the non-functional testing related to AWS ecosystem

Provide inputs to project management team for project estimation, technology risks, milestones, status reporting etc.

Troubleshoot application issues and coordinate issue resolution with operations, functional, and technical teams

1. Architect, Design and Assist in deploying dynamically scalable, highly available, fault tolerant, and reliable enterprise applications on AWS.

2. Proven track record on migrating complex, multi-tier enterprise application to AWS and providing efficient cloud solutions.

3. Implement cost control strategies and optimization of existing AWS services, understand the metrics of AWS processes for recommendations on cost savings.

Create the next generation of tools and infrastructure for build, test, release and monitoring, focusing on developer productivity, release velocity and product quality.

Define, collect and report metrics that measure progress and performance of the build and deployment infrastructure