〓 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.
* 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,

Experience 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.
* Experience with Web hosting, DNS Management, Virtual Hosting.

**Troubleshoot**

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

**TODO**

EMR, S3, Glue, Redshift, DynamoDB, Elasticsearch

EC2, ECS, VPC, Direct Connect, S3, RDS

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

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.

Establish AWS VPN from AWS to On-prem, whenever required.

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

Provide expert advice on building solutions on AWS using third party tools (Ex: Terraform, Ansible, Puppet etc. ).

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.

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

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

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

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

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

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

2. Develop strategies for shift of on-premise systems to AWS

migrate complex, multi-tier enterprise application to AWS and providing efficient cloud solutions.

Experience advising on best practice guidelines for migration of services to the cloud considering the various cloud migration techniques.

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

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

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

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

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

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

7. Assist application development teams with cloud environment sizing, design of disaster recovery capabilities to meet the app needs.

8. Support development and implementation of cloud management dashboards to enable monitoring and governance of cloud platforms Design and implement cloudsolutions.

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

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 migration 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