

Interview Prep Material

EC2

Use words like

- ➔ Provision, Monitor, Web servers, Application Servers, EBS, Snapshots, AS, ALBs

VPC

Use words like

- ➔ Provisioned for network, setting up private and public network(subnets), NAT gateway, internet gateway
- ➔ VPC peering between VPCs, configure RTs, and configure VPN

CICD pipelines

- ➔ Docker containers, Microservices, codepipeline, codebuild, ECR, ECS, EKS

RDS

- ➔ Multi AZ and autoscaling storage, what is the recovery plan and how can you perform recovery

Auto Scaling

- ➔ Help to auto scale our cluster in 2 ways --> vertical scaling (e.g increasing/decreasing instance type(cpu and memory) of a single instance)
- ➔ Horizontal scaling (e.g increasing number of instances or reducing it)

Fault tolerance

- ➔ ALB (Application Load Balancer)

DNS

- ➔ Domain Name System --> Route53 --> Created hosted zones and multiple records like A records for IPs and C-name records for ALB DNS

Security

- ➔ SG, Network ACLs, Keypairs, encrypting EBS and Snapshots, providing certificates for ALB publicly accessed

Lambda

- ➔ Create snapshot

Snapshots

- ➔ Backup instances by taking snapshots ➔ Life cycle management

How can you encrypt an encrypted snapshot

- ➔ Create an EBS from that snapshot while encrypting it then take a snapshot again.