

## 1.EC2

How to create EC2 Instance?

What is AMI?

How to choose the right AMI for creating Instance?

How to secure EC2?

How to take automated backups?

How to migrate your instance from one Region to another and one account to another?

How can you recover keys of an EC2 Instance?

If everything seems okay but still you are not able to login to EC2 how will you check it?

How do you choose the right type of EC2 instance?

## 2.EBS

How many types of EBS volumes are there?

How to take backup of a volume?

Can I associate one EBS to more than 1 instance?

What are the conditions if we need to mount EBS to instance?

What is the maximum size of EBS Volume?

Where EBS snapshots are stored?

## 3.S3

What is S3?

How to host a website with S3?

What is the use of multipart upload?

How many S3 buckets can you create in your account?

What is the default size of S3 Bucket?

## 4.VPC

What is VPC?

What is CIDR which VPC supports?

How does VPC peering work?

What are DHCP and DNS options available in VPC?

What are VPC Flow Logs?

Why do we use NACL with VPC?

## 5.IAM

What is IAM?

What is a more secure IAM user OR IAM role?

How to create a custom IAM policy?

How do you manage password policy for IAM Users?

What will you do if you want an IAM user to reset password at next login?

How do you rotate Access keys for IAM users?

How do you enable MFA with IAM users?

What are the supported Devices by AWS MFA?

How many rules can I associate with 1 IAM user by default?

## 6.AUTOSCALING

What is an auto scaling group?

How does auto scaling work?

What is the endpoint for autoscaling health checks?

How does auto scaling manage traffic flow for ELB?

If I want to launch multiple types of instances within the same target group what will I need to do?

Can I use spot and on-demand instances with an autoscaling group?

Can I associate multiple targets groups under one auto scaling group?

Can I associate target groups created in different VPCs?

## 7.ELB

What is ELB in AWS?

What are different types of ELB in AWS?

What is the main difference between Application and Network ELB?

How do you select between Application and Network ELB to use for your application?

How do you manage host and path based routing with App ELB?

What rule will you implement if you need to forward all traffic coming from a single application to any specific target group?

Can I forward traffic based on source IP address?

What is provisioned ELB?

How many IP addresses do we get with ELB?

What happens if ELB goes down?

How many rules can I attach to one ELB?

How many conditions can I attach per rule?

## 8.CLOUDWATCH

How do you monitor services with Cloud Watch?

What is the default metric of Cloud watch?

Can I monitor applications running on EC2 instances?

How can I set alarms with CloudWatch?

Can I monitor resources by CloudWatch in multiple regions?

## 9.CLOUDFORMATION

What is cloud formation?

How do you provision Infra with CloudFormation?

Can we provision replicas of existing environments with CloudFormation?

What are the limitations of CloudFormation?

## 10.CLOUDTRAIL

What is the use of CloudTrail?

Where can I check activities performed by IAM users?

How to track activities of IAM admins?

How can I check that if an EC2 instance is created, who created it?

Can I monitor activity of IAM users of a single region or multiple regions?

Where logs are stored for CloudTrail?

## 11.CLOUDFRONT

What are 2 main components of CloudFront?

What is Origin in CloudFront?

What is the use of distribution setting?

What headers does cloud front cache by default?

How to implement an ssl certificate with CloudFront?

How can I generate private urls with the help of CloudFront?

How do I use WAF and Shield with CloudFront?

What protocol does CloudFrom Support?

What type of distribution does CloudFront Support?

How can I clear the cache of an object in CloudFront?

Can I terminate HTTP to HTTPS using CloudFront?

## 12.LAMBDA

What is Lambda?

How do you use lambda in your current project?

How can you schedule a task using lambda?

How will you write a lambda function to stop and start an EC2 instance?

Can we get notification with Lambda if an object is missed in S3 bucket?

How can lambda help in cost optimisation?

What are the use-cases where you have used lambda?

## 15.RDS

What is RDS?

How many DB engines does AWS support?

What are the conditions to enable/create a read replica of MYsql DB?

Can I create a read replica of a read replica?

How can I restore Data from Automated Created Snapshot?

What type of rules can we have with RDS?

How do you secure RDS?

What are options groups?

## 16.ROUTE53

What is Route53?

How do you host your domain with Route53?

What type of records are supported by Route53?

How many types of zones can we host in Route53?

Can I associate multiple VPCs with a single hosted zone?

Can I forward traffic to the Internal ELB form Public hosted zone?

Can I use CloudFront as an A record with Route53