Interview Questions on cloudfront

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1. What is AWS CloudFront?

Answer: AWS CloudFront is a content delivery network (CDN) service provided by Amazon Web Services that delivers data, videos, applications, and APIs to users globally with low latency and high transfer speeds.

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2. How does CloudFront improve website performance?

Answer: CloudFront improves website performance by caching content at edge locations closest to users, reducing latency and improving load times.

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3. What types of content does CloudFront cache?

Answer: CloudFront caches static and dynamic content, including web pages, images, videos, audio files, and API responses.

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4. What is an edge location in CloudFront?

Answer: An edge location is a data center deployed in multiple geographic locations worldwide where content is cached and served to users.

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5. How does CloudFront handle dynamic content?

Answer: CloudFront can cache dynamic content at edge locations for a configurable time-to-live (TTL) period, reducing the load on origin servers and improving performance.

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6. How does CloudFront protect against DDoS attacks?

Answer: CloudFront provides protection against Distributed Denial of Service (DDoS) attacks by automatically detecting and mitigating malicious traffic at edge locations.

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7. What is the origin in CloudFront?

Answer: The origin in CloudFront is the source of the content to be delivered, such as an Amazon S3 bucket, an EC2 instance, an Elastic Load Balancer (ELB), or a custom origin server.

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8. What is a distribution in CloudFront?

Answer: A distribution in CloudFront is a collection of edge locations that delivers content to users. There are two types of distributions: web distributions for websites and RTMP distributions for media streaming.

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9. How do you invalidate content in CloudFront?

Answer: You can invalidate cached content in CloudFront by creating an invalidation request specifying the path or paths of the content to be invalidated.

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10. What is the benefit of using CloudFront with Amazon S3?

Answer: Using CloudFront with Amazon S3 improves the performance and scalability of S3-hosted websites and applications by caching content at edge locations and reducing latency for global users.

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Interview Questions on cloudformation

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1. What is AWS CloudFormation?

Answer: AWS CloudFormation is a service that allows you to provision and manage AWS infrastructure resources using declarative templates.

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2. What is a CloudFormation template?

Answer: A CloudFormation template is a JSON or YAML file that defines the AWS resources and their configurations needed for a stack.

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3. What is a stack in CloudFormation?

Answer: A stack in CloudFormation is a collection of AWS resources created and managed as a single unit based on a CloudFormation template.

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5. How do you create a stack in CloudFormation?

Answer: You can create a stack in CloudFormation by uploading a template file or using the AWS Management Console, CLI, or SDK.

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6. What is a change set in CloudFormation?

Answer: A change set in CloudFormation is a preview of the changes to be applied to a stack before it's executed, allowing you to review and approve changes.

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7. How do you update a stack in CloudFormation?

Answer: You can update a stack in CloudFormation by making changes to the CloudFormation template and applying the changes using the update-stack command.

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8. What is a resource in CloudFormation?

Answer: A resource in CloudFormation is an AWS infrastructure component, such as an EC2 instance, S3 bucket, or DynamoDB table, defined in the CloudFormation template.

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9. How do you delete a stack in CloudFormation?

Answer: You can delete a stack in CloudFormation using the delete-stack command, which removes all the AWS resources associated with the stack.

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10. What is the benefit of using CloudFormation?

Answer: CloudFormation provides infrastructure as code, enabling automated provisioning and management of AWS resources, version control, and repeatability of deployments.

Interview Questions on vpn

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1. What is AWS VPN?

Answer: AWS VPN (Virtual Private Network) is a service that allows you to securely connect your on-premises network or remote office to your AWS infrastructure using encrypted tunnels over the internet.

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2. What are the types of VPN connections supported by AWS?

Answer: AWS supports two types of VPN connections: Site-to-Site VPN and Client VPN.

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3. What is a Site-to-Site VPN?

Answer: A Site-to-Site VPN establishes encrypted connections between your on-premises network and your AWS VPC (Virtual Private Cloud), allowing secure communication between them.

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4. What is a Client VPN?

Answer: A Client VPN allows remote users to securely connect to your AWS resources from anywhere using VPN client software installed on their devices.

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5. What are the components of a Site-to-Site VPN connection?

Answer: The components of a Site-to-Site VPN connection include a customer gateway (CGW) representing your on-premises VPN device and a virtual private gateway (VGW) representing the VPN endpoint in your AWS VPC.

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6. How do you configure a Site-to-Site VPN connection in AWS?

Answer: To configure a Site-to-Site VPN connection in AWS, you need to create a customer gateway representing your on-premises VPN device, a virtual private gateway attached to your VPC, and a VPN connection linking the two.

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7. What authentication methods are supported by AWS VPN?

Answer: AWS VPN supports two authentication methods: preshared keys (PSK) and certificates.

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8. What is the advantage of using AWS Client VPN?

Answer: AWS Client VPN simplifies remote access to AWS resources by providing a scalable and managed VPN solution without the need for maintaining and managing VPN appliances.

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9. How do you manage VPN connections in AWS?

Answer: VPN connections in AWS can be managed using the AWS Management Console, CLI (Command Line Interface), or SDK (Software Development Kit).

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10. How do you monitor VPN connections in AWS?

Answer: VPN connections in AWS can be monitored using Amazon CloudWatch, which provides metrics and logs for VPN traffic and performance

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