* **AWS Direct Connect** is a service that provides consistent and dedicated connection between AWS resources and on-prem systems.
* **Amazon Connect** is a channel that provides superior customer service at lower cost.
* **AWS IQ** is designed to help customers find AWS certified third-party experts for on-demand help.
* **Agility** is an AWS Cloud feature which enables you to quickly deliver new functionalities in an iterative manner, minimizing the time to market.
* **Elasticity** enables infrastructure to scale based on demand
* **AWS Elastic Beanstalk** enables you to quickly deploy and scale web apps and services developed with Java, .NET, PHP, Node.JS, Docker etc.
* **AWS LightSail** can be used when you don’t have good knowledge of AWS
* **Amazon Simple Email Service (SES)** is specifically designed to help users send transactional emails, marketing messages, and other types of content to their customers
* **Amazon SQS** is a message bus service used for decoupling applications that need to pass information between them.
* **AWS CodeBuild** is a fully managed continuous integration service that compiles source code, runs tests, and produces software packages that are ready to deploy.
* **CodeDeploy** is a deployment service that automates application deployments to Amazon EC2 instances, on-premises instances, serverless Lambda functions, or Amazon ECS services
* **AWS CodePipeline** is a fully managed [continuous delivery](https://aws.amazon.com/devops/continuous-delivery/) service that helps you automate your release pipelines for fast and reliable application and infrastructure updates.
* **Amazon S3** is an object storage system. Typical use cases include: Backup and storage, application hosting, media hosting, software delivery and hosting a static website.
* **AWS Virtual Private Network** solutions establish secure connections between your on-premises networks, remote offices, client devices, and the AWS global network.
* **Amazon Virtual Private Cloud (VPC)** is a virtual network in the cloud. You connect your AWS VPN to your Amazon VPC.
* The **AWS CloudHSM** service helps you meet corporate, contractual, and regulatory compliance requirements for data security by using dedicated Hardware Security Module (HSM) instances within the AWS cloud. **AWS CloudHSM** enables you to easily generate and use your own encryption keys on the AWS Cloud.
* **AWS Secrets Manager** enables you to easily rotate, manage, and retrieve database credentials, API keys, and other secrets throughout their lifecycle.
* You can run Amazon EC2 compute instances hosted on a **Snowball Edge** with the sbe1, sbe-c, and sbe-g instance types. The sbe1 instance type works on devices with the Snowball Edge Storage Optimized option. The sbe-c instance type works on devices with the Snowball Edge Compute Optimized option. Both the sbe-c and sbe-g instance types work on devices with the Snowball Edge Compute Optimized with GPU option.
* **Availability Zone:** One or more physical DCs in a region
* An **AWS Direct Connect connection** is a private, dedicated link to AWS. As it does not use the internet, performance is consistent.
* **AWS DataSync** makes it simple and fast to move large amounts of data online between on-premises storage and Amazon S3, Amazon Elastic File System (Amazon EFS), or Amazon FSx for Windows File Server.
* **AWS Trusted Advisor** checks security groups for rules that allow unrestricted access (0.0.0.0/0) to specific ports.
* **Amazon Athena** is a serverless, interactive query service to query data and analyze big data in Amazon S3 using standard SQL
* **Amazon QuickSight** is a cloud-native, serverless, business intelligence service.
* **AWS Global Accelerator** is a service that can direct users to the nearest AWS Region that contains and endpoint for an application.
* **Amazon Redshift** is an SQL-based data warehousing solution. It is a fast, simple, cost-effective data warehousing service.
* **Amazon Elastic Map Reduce (EMR)** is a web service that enables businesses, researchers, data analysts, and developers to easily and cost-effectively process vast amounts of data
* **Amazon Kinesis** is used for collecting, processing and analyzing real-time streaming data.
* **Service control policies (SCPs)** are a type of organization policy that you can use to manage permissions in your organization. SCPs offer central control over the maximum available permissions for all accounts in your organization. SCPs are associated with AWS Organizations and help you to ensure your accounts stay within your organization’s access control guidelines. SCPs are available only in an organization that has all features enabled.
* **Amazon QuickSight** is a scalable, serverless, embeddable, machine learning-powered business intelligence (BI) service built for the cloud.
* **AWS Snowball** is a method of transferring the data using a physical device. A Snowball Edge device can hold up to 80 TB so a single device can be used. This transfer method completely avoids the slow and unreliable internet connection.
* **AWS Config** is a service that enables you to assess, audit, and evaluate the configurations of your AWS resources.
* **AWS OpsWorks** is a configuration management service that provides managed instances of Chef and Puppet
* **AWS Systems Manager** gives you visibility and control of your infrastructure on AWS. Systems Manager provides a unified user interface so you can view operational data from multiple AWS services and allows you to automate operational tasks across your AWS resources.
* What can be used to allow an application running on an Amazon EC2 instance to securely store data in an Amazon S3 bucket without using long-term credentials? – An AWS IAM Role
* **AWS Artifact** is your go-to, central resource for compliance-related information that matters to you.
* A **security group** acts as a virtual firewall, controlling the traffic that is allowed to reach and leave the resources that it is associated with**. Network ACLs** are virtual firewalls which control access within a VPC, Network ACLs exist on the subnet level, not on the instance level.
* **AWS Shield** is a managed Distributed Denial of Service (DDoS) protection service that safeguards applications running on AWS