

Networking Services

VPC Amazon Virtual Private Cloud (VPC) is a virtual data center in AWS consisting of a set of isolated resources.

Direct Connect It is used to establish a dedicated network connection from the host network to AWS without an Internet connection.

Route 53 It is a scalable and highly available Domain Name System (DNS) and domain name registration service, and 53 is the port on which this service runs

Computing Services

EC2 It is a virtual server that provides resizable compute capacity on the cloud

Elastic Beanstalk It is an application container used for deploying and managing containers. It creates an environment for working with web applications

Lambda It is a computing service that runs the code in response to events and automatically manages the computing resources

EC2 Container Service It allows us to easily run and manage Docker containers across a cluster of EC2 instances

Storage Services

S3 It refers to Simple Storage Service and allows the storage of data objects of any sort and flat files in the cloud. It is secure, scalable, and durable

CloudFront CloudFront defines a Content Delivery Network. It provides a way to distribute content to end-users with low latency and high data-transfer speeds

Glacier It is a low-cost storage service that provides secure and durable storage for long-term data archiving and backup

EFS (Elastic File Storage) It is a file storage service used in EC2 instances and connects to multiple EC2 instances

Snowball It is used for moving large amounts of data into/out of AWS using secure appliances, i.e., it provides the data archiving functionality for the data that no longer needs to be accessed actively

Storage Services (cont)

Storage Gateway AWS Storage Gateway is used for securely integrating on-premises IT environments with cloud storage for backup and disaster recovery

RDS (Relational Database Service) It allows the storage of data objects as part of the relational database. It makes it easy to set up, operate, and scale familiar relational databases in the cloud

DynamoDB It is a scalable NoSQL data store that is used to manage distributed replicas of data for high availability

Elasti-Cache It improves application performance by allowing us to retrieve information from an in-memory caching system. It is a way of caching databases in the cloud

Redshift It is a fast, fully managed data warehousing service, which makes it cost-effective to analyze all data using the existing Business Intelligence tools

DMS (Data Migration Service) It helps in migrating databases to the cloud easily and securely. It can also be used for converting databases



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Analytics

Amazon EMR Amazon Elastic MapReduce helps in performing big data tasks such as web indexing, data mining, and log file analysis

Data Pipeline It helps in moving data from one service to another. It is a service used for periodic, data-driven workflows

AWS Elasti-csearch It is a managed service that helps in deploying, operating, and scaling Elasticsearch

Kinesis It makes it easy to work with real-time streaming data in the AWS cloud

AWS Machine Learning It is a service that enables us to easily build smart applications

QuickSight AWS QuickSight is a cloud--assisted Business Intelligence service that helps in deriving insights from data easily

Security and Identity

IAM AWS IAM helps in configuring security for all the services. It is used to ensure that our other services remain safe and inaccessible to others

Directory Service AWS Directory Service is used to provide a managed directory in the cloud

Security and Identity (cont)

Inspector Amazon inspector enables us to analyze the behaviour of the applications we run on AWS and helps in identifying potential security issues

AWS WAF (Web Application Firewall) It protects our web application from attacks by providing web traffic filters

AWS Cloud HSM It is a Hardware Security Module

KMS It is a Key Management Service

Management Tools

CloudWatch It is used to create different metrics. It provides monitoring for resources and applications

CloudForm-ation It helps in creating and updating a collection of related AWS resources

CloudTrial It provides increased visibility into user activity by recording API calls made on an account

AWS OpsWorks: It is a DevOps platform for managing applications of any size or complexity on the AWS cloud

Config It gives an inventory of AWS resources, lets us audit the AWS resource configuration history, and notifies the changes

Management Tools (cont)

Service Catalog It allows organizations to manage approved catalogs of IT resources

Trusted Advisor It inspects the AWS environment and finds opportunities to save money and improve system performance

Application Services

API Gateway AWS API Gateway is used to create, maintain, monitor, and secure APIs

AppStream It is used to stream resource-intensive applications and games from the cloud to multiple users

CloudS-earch It is a completely managed search service for websites and apps

Elastic Transcoder It is used to convert media files in the cloud easily at a lower cost

SES (Simple Email Service) It is used to send and receive emails

SQS (Simple Queue Service) It is a reliable, hosted queue for storing messages

SWF (Simple Workflow Service) It is used to coordinate all the processing steps with an application



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