# **AWS Services**

# Cheatography

#### VPC

Amazon Virtual Private Cloud (VPC) lets you launch AWS resources in a private, isolated cloud.

#### Direct Connect

AWS Direct Connect lets you establish a dedicated network connection from your network to AWS.

#### Route 53

Amazon Route 53 is a scalable and highly available Domain Name System (DNS) and Domain Name Registration service.

#### EC2

Amazon Elastic Compute Cloud (EC2) provides resizable compute capacity in the cloud.

#### **Elastic Beanstalk**

AWS Elastic Beanstalk is an application container for deploying and managing applications.

#### Lambda

AWS Lambda is a compute service that runs your code in response to events and automatically manages the compute resources for you.

### **EC2 Container Service**

Amazon ECS allows you to easily run and manage Docker containers across a cluster of Amazon EC2 instances.

#### Mobile Hub

AWS Mobile Hub lets you quickly build, test, and monitor usage of your mobile apps.

#### **Device Farm**

AWS Device Farm helps you improve the quality of your Android, Fire OS, and iOS apps by testing them against real phones and tablets in the AWS Cloud.

#### SNS

Amazon Simple Notification Service (SNS) lets you publish messages to subscribers or other applications.

#### Cognito

Amazon Cognito is a simple user identity and data synchronization service that helps you securely manage and synchronize app data for your users across their mobile devices.

#### **Mobile Analytics**

Amazon Mobile Analytics is a service that lets you easily collect, visualize, and understand app usage data at scale.

#### IAM

AWS Identity and Access Management (IAM) lets you securely control access to AWS services and resources.

#### Inspector

Amazon Inspector enables you to analyze the behavior of the applications you run in AWS and helps you to identify potential security issues.

#### **Certificate Manager**

AWS Certificate Manager lets you easily provision, manage, and deploy Secure Sockets Layer/Transport Layer Security (SSL/TLS) certificates for use with AWS services.

# **Directory Service**

AWS Directory Service provides managed directories in the cloud.

## WAF

AWS WAF (Web Application Firewall) protects web applications from attack by providing web traffic filtering against common web exploits like SQL injection.

#### GameLift

Deploy and scale session-based multiplayer games in the cloud in minutes, with no upfront costs.

#### S3

Amazon Simple Storage Service (S3) can be used to store and retrieve any amount of data.

#### **Elastic File System**

Amazon Elastic File System (Amazon EFS) is a file storage service for Amazon Elastic Compute Cloud (Amazon EC2) instances.

#### Import/Export Snowball

AWS Import/Export Snowball accelerates moving large amounts of data into and out of AWS using secure appliances for transport.

#### CloudFront

Amazon CloudFront provides a way to distribute content to end users with low latency and high data transfer speeds.

#### Glacier

Amazon Glacier is a low-cost storage service that provides secure and durable storage for data archiving and backup.

#### Storage Gateway

AWS Storage Gateway securely integrates onpremises IT environments with cloud storage for backup and disaster recovery.

# CloudWatch

Amazon CloudWatch provides monitoring for resources and applications.

# Config

AWS Config gives you inventory of your AWS resources, lets you audit resource configuration history, and notifies you when resource configurations change.

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#### **Service Catalog**

AWS Service Catalog allows organizations to manage approved catalogs of IT resources and make them available to employees via a personalized portal.

#### CloudFormation

AWS CloudFormation lets you create and update a collection of related AWS resources in a predictable fashion.

#### **OpsWorks**

AWS OpsWorks is a DevOps platform for managing applications of any scale or complexity on the AWS cloud.

#### **Trusted Advisor**

AWS Trusted Advisor inspects your AWS environment and finds opportunities to save money, improve system performance and reliability, or help close security gaps.

# CloudTrail

AWS CloudTrail provides increased visibility into user activity by recording API calls made on your account.

#### **API Gateway**

Amazon API Gateway makes it easy to create, maintain, monitor, and secure APIs at any scale.

#### **Elastic Transcoder**

Amazon Elastic Transcoder lets you convert your media files in the cloud easily, at low cost, and at scale.

#### sqs

Amazon Simple Queue Service (SQS) offers a reliable, highly scalable, hosted queue for storing messages.

#### **AppStream**

Amazon AppStream lets you stream resource intensive applications and games from the cloud to multiple end-user devices.

#### SES

Amazon Simple Email Service (SES) enables you to send and receive email.

#### SWF

Amazon Simple Workflow (SWF) coordinates all of the processing steps within an application.

#### CloudSearch

AWS CloudSearch is a fully managed search service for websites and apps.

#### RDS

Amazon Relational Database Service (RDS) makes it easy to set up, operate, and scale familiar relational databases in the cloud.

# **ElastiCache**

Amazon ElastiCache improves application performance by allowing you to retrieve information from an in-memory caching system.

#### DMS

AWS Database Migration Service (DMS) helps you migrate databases to the cloud easily and securely while minimizing downtime.

#### DynamoDB

Amazon DynamoDB is a scalable NoSQL data store that manages distributed replicas of your data for high availability.

#### Redshift

Amazon Redshift is a fast, fully managed, petabyte-scale data warehouse that makes it cost-effective to analyze all your data using your existing business intelligence tools.

#### CodeCommit

AWS CodeCommit is a highly scalable, managed source control service that hosts private Git repositories.

#### CodeDeploy

AWS CodeDeploy lets you fully automate code deployments.

#### CodePipeline

AWS CodePipeline is a continuous delivery service that enables you to model, visualize, and automate the steps required to release your software.

#### **AWS IoT**

AWS IoT is a managed cloud service that lets connected devices easily and securely interact with cloud applications and other devices.

#### **EMR**

Amazon Elastic MapReduce lets you perform big data tasks such as web indexing, data mining, and log file analysis.

#### **Elasticsearch Service**

Amazon Elasticsearch Service is a managed service that makes it easy to deploy, operate, and scale Elasticsearch, a popular open-source search and analytics engine.

# **Machine Learning**

Amazon Machine Learning is a service that enables you to easily build smart applications.

# **Data Pipeline**

AWS Data Pipeline is a lightweight orchestration service for periodic, data-driven workflows.

#### **Kinesis**

Amazon Kinesis services make it easy to work with real-time streaming data in the AWS cloud.

# Cheatography

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# WorkSpaces

Amazon WorkSpaces is a fully managed desktop computing service in the cloud.

#### WorkDocs

Amazon WorkDocs is a fully managed, secure enterprise storage and sharing service with strong administrative controls and feedback capabilities that improve user productivity.

# WorkMail

Amazon WorkMail is a managed email and calendaring service that offers strong security controls and support for existing desktop and mobile clients.