**Amazon Web Services**

**1. Compute:**

* **Amazon EC2:** Virtual Severs in the Cloud.
* **Amazon Elastic Container Service for Kubernetes:** Run Managed Kubernetes on AWS
* **AWS Batch:** Run Batch Jobs at any Scale.
* **AWS Lambda:** Run your code in Response to Events.
* **Amazon EC2 Auto Scaling:** Scale Compute Capacity to Meet Demand.
* **Amazon Elastic Container Registery:** Store and Retrieve Docker Images.
* **AWS Elastic Beanstalk:** Run and Managed Web Apps.
* **AWS Serverless Application Repository:** Discover, Deploy, and Publish Serverless Applications Auto Scaling.
* **Amazon Elastic Container Service:** Run and Mange Docker Containers.
* **Amazon Lightsail:** Launch and Manage Virtual Private Servers.
* **AWS Fargate:** Run Containers without Managing Servers or Clusters.
* **VMware Cloud on AWS:** Build a Hybrid without Custom Hardware.

**2. Storage:**

* **Amazon S3:** Scalable Storage in the Cloud.
* **Amazon Glacier:** Low-cost Archive Storege in the Cloud.
* **AWS Snowball Edge:** Pretabyte-scale Data Transport with On-board Compute.
* **Amazon EBS:** Block Storage for EC2.
* **AWS Storage Gateway:** Hybrid Storage Integration.
* **AWS Snowmobile:** Exabyte-scale Data Transport.
* **Amazon Elastic File System:** Managed File Storage for EC2.
* **AWS Snowball:** Pretabyte-scale Data Transport.

**3. DataBase:**

* **Amazon Aurora:** High Performence Managed Relational Databasel.
* **Amazon Elastic Cache:** In-memory Caching System.
* **AWS Database Migration Service:** Migrate Database with Minimal Downtime.
* **Amazon RDS:** Managed Relational Database Service for MySQL, PostgreSQL, Oracle, SQL Server and MarialDB.
* **Amazon RedShift:** Fast,Simple, Cost-effective Data Warehousing.
* **Amazon DynamoDB:** Managed NoSQL Database.
* **Amazon Neptune:** Fully Managed Graph Database Service.

**4. Migration:**

* **AWS Application Discovery Service:** Discover On-Premises Application to Streamline Migration.
* **AWS Server Migration Service:** Migrate On-Premises Servers to AWS.
* **AWS Snowmobile:** Exabyte-scale Data Transport.
* **AWS Database Migration Service:** Migrate Databases with Minimal Downtime.
* **AWS Snowball:** Pretabyte-scale Data Transport.
* **AWS Migration Hub:** Track Migration from a Single Place.
* **AWS Snowball Edge:** Pretabyte-scale Data Transport with On-board Compute.

**5.Networking & Content Delivery:**

* Amazon VPC: Isolated Cloud Resources.
* Amazon API Gateway: Build, Deploy, and Manage APIs.
* Amazon CloudFront: Global Connect Delivery Network.
* AWS Direct Connect: Dedicated Network Connection to AWS.
* Amazon Route 53: Scalable Domain Name System.
* Elastic Load Balancing: High Scale Load Balancing.

**6. Developer Tools:**

* **AWS CodeStar:** Develop and Deploy AWS Applications.
* **AWS CodeDeploy:** Automate code Deployment.
* **AWS X-Ray:** Analyze and Debug Your Applications.
* **AWS CodeCommit:** Store Code in Private Git Repositories.
* **AWS CodePipeline:** Release Software using Continuous Delivery.
* **AWS Command Line Interface:** Unified Tool to Manage AWS Services.
* **AWS Code Build:** Build and Test Code.
* **AWS Cloud9:** write, Run, and Debug Code on a Cloud IDE.

**7. Management Tools:**

* **Amazon CloudWatch:** Monitor Resources and Applications.
* **AWS CloudTrail:** Track User Activity and API Usage.
* **AWS Service Catalog:** Create and Use Standardized Products.
* **AWS Personal Health Dashboard:** Personalized view of AWS Service Health.
* **AWS Auto Scaling:** Scale Multiple Resources to Meet Demand.
* **AWS Config:** Track Resource Inventory and Changes.
* **AWS Systems Manages:** Gain Operational Insights and Take Action.
* **AWS CloudFormation:** Create and Manage Resources with Templates.
* **AWS OpsWorks:** Automate Operations with Chef and Puppet.
* **AWS Trusted Advisor:** Optimize Performance and Security.

**8. Media Services:**

* **Amazon Elastic Transcoder:** Easy-to-use Scalable Media Transcoding.
* **AWS Elemental MediaLive:** Convert Live Video Content.
* **AWS Elemental Media Tailor:** Videos Personalization and Monetization.
* **Amazon Kinesis Video Streames:** Process and Analyze Video Streams.
* **AWS Element Media Package:** Video Origination and Packaging.
* **AWS Elemental Media Convert:** Convert File-based Video Content.
* **AWS Elemental MediaStore:** Media Storage and Simple HTTP Origin.

**9. Security, Identity and Compliance:**

* **AWS Identity & Access Management:** Manage User Access and Encryption Keys.
* **AWS Single Sign-On:** Cloud Single Sign-On(SSO) Service.
* **Amazon Inspector:** Analyze Application Security.
* **AWS CloudHSM:** Hardware-based Key Storage for Regulatory Compliance.
* **AWS Organizations:** Policy-based Management for Multiple AWS Accounts.
* **Amazon Cloud Directory:** Create Flexible Cloud-native Directories.
* **Amazon GuardDuty:** Managed Threat Detection Service.
* **Amazon Macie:** Discover, Classify, and Protect your Data.
* **AWS Directory Service:** Host and Manage Active Directory.
* **AWS Shield:** DDoS Protection.
* **Amazon Cognito:** Identity Network Connections to AWS.
* **AWS Certificate Manager:** Provision, Manage, and Deploy SSL/TLS Certificates.
* **AWS Key Management Service:** Managed Creation and Control of Encryption Keys.
* **AWS WAF:** Filter Malicious Web Traffic.

**10. Analytics:**

* **Amazon Athena:** Query Data in S3 using SQL.
* **Amazon Elasticsearch Service:** Run and Scale Elastic Search Clusters.
* **Amazon Quicksight:** Fast Business Analytics Service.
* **Amazon EMR:** Hosted Hadoop Framework.
* **Amazon Kinesis:** Work with Real-Times Streaming Data.
* **AWS Data Pipeline:** Orchestration Service for Periodic, Data-driven Workflows.
* **Amazon CloudSearch:** Managed Search Service.
* **Amazon Redshift:** Fast, Simple, Cost-effective Data Warehousing.
* **AWS Glue:** Prepare and Load Data.

**11. Machine Learning:**

* **Amazon SageMaker:** Build, Train, and Deploy Machine Learning Models at Scale.
* **Amazon Polly:** Turn Text into Lifelike Speech.
* **Amazon Translate:** Natural and Fluent Language Translation.
* **AWS Deep Learning AMIs:** Quickly Start Deep Learning on EC2.
* **Amazon Comprehend:** Discover Insights and Relationships in Text.
* **Amazon Rekognition:** Analyze Image and Video.
* **Amazon Transcribe:** Automatic Speech Recognition.
* **Apache MXNet on AWS:** Scalable, High-performance Deep Learning.
* **Amazon Lex:** Build Voice and Text Chatbots.
* **Amazon Machine Learning:** Machine Learning for Developers.
* **AWS DeepLens:** Deep Learning Enabled Video Camera.
* **TransofFlow on AWS:** Open-source Machine Intelligence Library.

**12 . Mobile Services:**

* **AWS Mobile Hub:** Build, Test, and Monitor Apps.
* **AWS AppSync:** Real-time and Offline Mobile Data Apps.
* **Amazon API Gateway:** Build, Deploy and Manage APIs.
* **AWS Device Farm:** Test Android, FireOS and iOS apps on Real Devices in the cloud.
* **Amaczon Pinpoint:** Push Notifications for Mobile Apps.
* **AWS Mobile SDK:** Mobile Software Deveploment Kit.

**13. AR & VR:**

* **Amazon Sumerian:** Build and Run VR and AR Applications.

**14. Application Integration:**

* **AWS Step Functions:** Coordinate Distributed Applications.
* **Amazon MQ:** Managed Message Broker for ActiveMQ.
* **Amazon Simple Queue Service (SQS):** Managed Message Queues.
* **Amazon Simple Notification Service(SNS):** Pub/Sub, Mobile Push and SMS.

**15. Customer Engagement:**

* **Amazon Connect:** Cloud-based Contact Center.
* **Amazon Pinpoint:** Push Notifications for Mobile Apps.
* **Amazon Simple Email Services (SES):** Email Sending and Receiving.

**16. Business Productivity:**

* **Alexa for Business:** Empower your Organization with Alexa.
* **Amazon WorkMail:** Secure and Managed Business Email and Calendaring.
* **Amazon Chime:** Frustration-free Meetings, Video Calls, and Chat.
* **Amazon WorksDocs:** Enterprise Storage and Sharing Service.

**17. Desktop & App Streaming:**

* **Amazon WorkSpaces:** Desktop Computing Service.
* **Amazon AppStream 2.0:** Stream Desktop Applications Security to a Browser.

**18. Internet of Things:**

* **AWS IoT Core:** Connect Devices to the Cloud.
* **AWS IoT 1-Click:** One Click Creation of an AWS Lambda Trigger.
* **AWS IoT Device Defender:** Security Management for IoT devices.
* **Amazon FreeRTOS:** IoT Operating System for Microcontrollers.
* **AWS IoT Analytics:** Analytics for IoT Devices.
* **AWS IoT Device Management:** Onboard, Organize, and Remotely Manage IoT Devices.
* **AWS Greengrass:** Local Compute, Messaging, and Sync for Devices.
* **AWS IoT Button:** Cloud Programmable Dash Button.

**19. Game Development:**

* **Amazon Game Lift:** Simple, Fast, Cost-effective Dedicated Game Server Hostig.
* **Amazon Lumberyard:** A Free Cross-Platform 3D Game Engine with Full Source, Integrated with AWS and Twitch.