AWS (Amazon Web Services)

1. Compute Services

- **Amazon EC2 (Elastic Compute Cloud):** Scalable virtual servers in the cloud.
- **AWS Lambda:** Serverless compute that runs code in response to events.
- **Amazon ECS (Elastic Container Service):** Container orchestration service for Docker.
- **Amazon EKS (Elastic Kubernetes Service):** Managed Kubernetes service.
- **AWS Fargate:** Serverless compute engine for containers.

[1]2. Storage Services

- **Amazon S3 (Simple Storage Service):** Scalable object storage for data backup and archiving.
- **Amazon EBS (Elastic Block Store):** Persistent block storage for EC2 instances.
- **Amazon EFS (Elastic File System):** Scalable file storage for use with AWS cloud services.

3. DevOps Tools

- **AWS CodeCommit:** Managed source control service.
- **AWS CodePipeline:** Automates CI/CD pipelines for fast software delivery.
- **AWS CodeBuild:** Build and test code on the cloud.
- **AWS CodeDeploy:** Automate deployment to Amazon EC2, AWS Lambda, or on-premises

4. Database Services

- **Amazon RDS (Relational Database Service):** Managed relational databases (e.g., MySQL, PostgreSQL, SQL Server, MariaDB, and Oracle).
- **Amazon DynamoDB:** NoSQL database service for key-value and document storage.
- **Amazon Aurora:** High-performance, MySQL- and PostgreSQL-compatible relational database.
- **Amazon Redshift:** Fully managed data warehouse service.

5. Networking & Content Delivery

- **Amazon VPC (Virtual Private Cloud):** Securely isolate and control network settings for your AWS environment.
- **Amazon Route 53:** Scalable DNS and domain name service.

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- **Amazon CloudFront:** Content delivery network (CDN) to deliver content globally with low latency.
- **Elastic Load Balancing (ELB):** Automatically distributes incoming traffic across multiple targets (EC2, containers).

6. Security, Identity, and Compliance

- **AWS IAM (Identity and Access Management):** Manage access to AWS services and resources securely.
- **Amazon GuardDuty:** Threat detection service to monitor AWS resources.
- **AWS Shield:** DDoS protection service for AWS resources.
- **AWS WAF (Web Application Firewall):** Protects applications from common web exploits.

7. Monitoring & Management

- **Amazon CloudWatch:** Monitoring service for AWS resources and applications.
- **AWS CloudTrail:** Logs AWS account activity for auditing.
- **AWS Config:** Monitors and tracks changes to AWS resources.
- **AWS Systems Manager:** Unified interface to manage AWS resources.

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