Course Overview

1. Service we'll learn
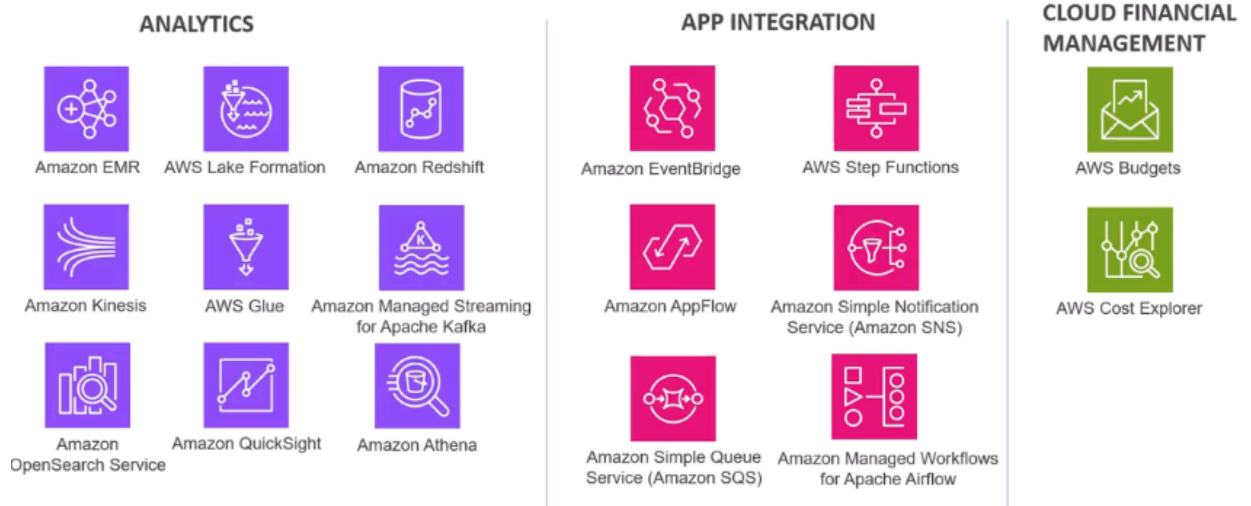
This services explained : https://g.co/gemini/share/7697ccc7c96f

2.

3.

DEVELOPER TOOLS

AWS Command Line Interface (AWS CLI)

AWS Cloud9

AWS Cloud Development Kit (AWS CDK)

AWS CodeBuild

AWS CodeCommit

AWS CodeDeploy

AWS CodePipeline

FRONTEND WEB

Amazon API Gateway

MACHINE LEARNING

Amazon SageMaker

MANAGEMENT AND GOVERNANCE

AWS CloudFormation

AWS CloudTrail

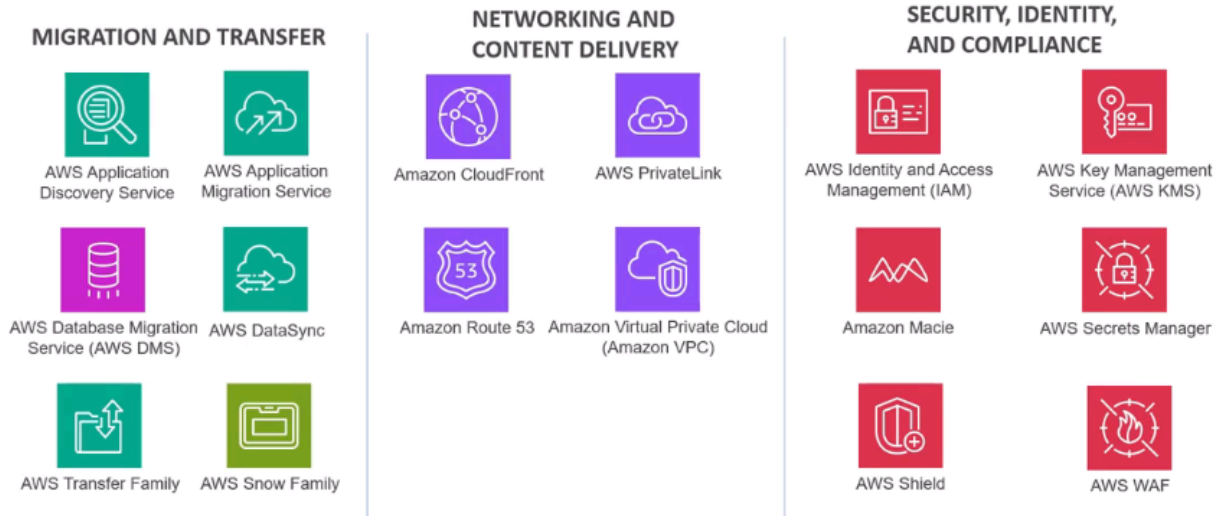Amazon CloudWatch

AWS Config

Amazon Managed Grafana

AWS Systems Manager

AWS Well-Architected Tool

Services we'll learn

MIGRATION AND TRANSFER

AWS Application Discovery Service

AWS Application Migration Service

AWS Database Migration Service (AWS DMS)

AWS DataSync

AWS Transfer Family

AWS Snow Family

NETWORKING AND CONTENT DELIVERY

Amazon CloudFront

AWS PrivateLink

Amazon Route 53

Amazon Virtual Private Cloud (Amazon VPC)

SECURITY, IDENTITY, AND COMPLIANCE

AWS Identity and Access Management (IAM)

AWS Key Management Service (AWS KMS)

Amazon Macie

AWS Secrets Manager

AWS Shield

AWS WAF

4.

Migration and transfer are important

- **AWS Application Discovery Service:** helps you discover your on-premises servers, virtual machines (VMs), and applications. It categorizes information about your IT infrastructure and helps you plan and prioritize your cloud migration strategy [AWS docs about AWS Application Discovery Service, aws.amazon.com].

- **AWS Application Migration Service:** helps you migrate physical, virtual, or cloud-based servers to AWS. It converts your servers to run on AWS without having to make significant code changes [AWS docs about AWS Application Migration Service, aws.amazon.com].

- **AWS Database Migration Service (AWS DMS):** helps you migrate your databases to AWS quickly and securely. It supports migrating relational databases, NoSQL databases, and data warehouses [AWS docs about AWS Database Migration Service (AWS DMS), aws.amazon.com].

- **AWS Transfer Family:** helps you move files to and from AWS storage services using protocols like Secure File Transfer Protocol (SFTP), File Transfer Protocol over SSL (FTPS), and File Transfer Protocol (FTP) . You can use it to migrate existing file transfer workflows to the cloud [AWS docs about AWS Transfer Family, aws.amazon.com].

- **AWS Snow Family:** includes physical devices that AWS ships to your on-premises location. You can use Snow devices to transfer large datasets to AWS more securely than using the internet [AWS docs about AWS Snow Family, aws.amazon.com].

STORAGE

AWS Backup

Amazon Elastic Block Store
(Amazon EBS)

Amazon Elastic File System
(Amazon EFS)

Amazon Simple Storage
Service (Amazon S3)

5.