

Introduction to AWS services

Instructor

Kartik Nighania

MLOps Engineer at Typewise

Ex-Head of Engineering - YC-backed startup

Certified AWS Cloud and Kubernetes Engineer

Open source contributor



Amazon Web Services



- Launched in 2006
- Started with EC2, S3 and SQS
- Over 200 services
- 33 Regions
- 105 Availability Zones

To create an AWS Account:

aws.amazon.com

AWS Basics - Storage



EBS
Elastic Block Storage
Hard drives and SSDs



S3
Simple Storage Service
DropBox



ECR
Elastic Container Registry
Docker registry

AWS Basics - Compute



EC2
Elastic Compute Cloud
Hard drives and SSDs



EKS
Elastic Kubernetes Service
Open source Kubernetes

AWS Basics - Developer tools



CodeCommit

Similar to GitHub



CodeBuild

Similar to Jenkins



CodePipeline

Steps in Series

AWS Basics - Orchestration



CloudFormation

IaC similar to Terraform



EventBridge

Cronjobs in Linux

AWS Basics - Artificial Intelligence



SageMaker
ML Platform



Bedrock
Foundation models as API



Transcribe



Translate



Textract



Poly

AWS Basics - Security



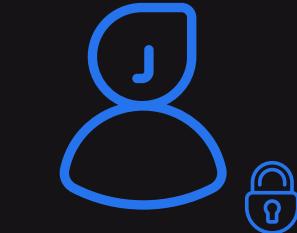
IAM

Identity and
Access Management



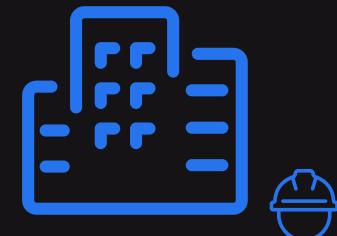
Policy

Access and deny rules



User

User group, Service
Account



Roles

Access to services

Thank You
