

# Important !! AWS Services for DevOps Engineers

## Fundamentals

VPC	launch resources in virtual network
EC2	Virtual servers in the cloud
S3	scalable and secure object storage
RDS	easy setup and scaling of databases
IAM	secure access control for resources

## Networking

VPC	launch resources in virtual network
Route 53	scalable domain name system (DNS) service

## Automation

Lambda	serverless compute service to run code without managing server
Systems	unified way to view and

## Continuous Integration & Continuous Delivery (CI/CD)

Codecommit	Github for AWS
CodeBuild	fully-managed build service
CodeDeploy	automated application deployment service
Code Pipeline	continuous integration and delivery service

## Database

RDS	SQL Database service
DynamoDB	NoSQL database service
ElastiCache	in-memory data store and cache service

## Infrastructure as CODE

CloudFormation	automate infrastructure with code
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<b>Manager</b>	control your infrastructure on AWS
<b>Elastic beanstalk</b>	deploy web apps without managing infrastructure.

#### Security

<b>Secrets Manager</b>	secure secret management
<b>KMS</b>	encryption key creation and management

#### Monitoring

Cloudwatch	monitoring service for AWS resources and applications
CloudTrail	governance and auditing of AWS account activities

#### Containers

<b>ECR</b>	DockerHub for AWS
<b>ECS</b>	fully-managed container orchestration service
<b>EKS</b>	fully-managed Kubernetes service