



## AWS

- Introduction to Cloud & AWS.
- AWS Account Creation and Services Overview.
- Compute, Storage and Networking in AWS with EC2, S3, VPC Services.
- Identity Management with IAM.
- Monitor Resources and Application with Cloudwatch.
- Management and Governance with Cloudtrail.
- Managed Database Services using RDS.
- Application Integration using SNS.
- AWS Operations using Systems Manager.
- Serverless Query using Athena.
- Serverless Computing with API Gateway and Lambda.
- Infrastructure as a Code using CloudFormation.
- IAC comparison with Terraform and CloudFormation.



EC2



S3



VPC



AWS Lambda



CloudWatch



AWS CloudFormation



AWS CloudTrail



AWS CLI



Amazon Athena



RDS



SNS



IAM



## DevOps

- Introduction to DevOps.
- Linux, Shell Scripting and Networking Concepts for DevOps.
- Programming automation using Python Scripting.
- Source Version Control using Git.
- AWS CI/CD with CodeCommit, Codebuild, CodeDeploy & CodePipeline.
- CI/CD Tools Comparison for Automation.
- Containerization using Docker.
- Container Orchestration using Kubernetes.
- CI/CD using Open Source tools with Jenkins.



AWS CodeCommit



AWS CodeBuild



AWS CodeDeploy



AWS CodePipeline



kubernetes



docker