INFOSOFT IT SOLUTIONS

Training | Projects | Placements

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AWS CODE PIPE LINE

Introduction to AWS Code Pipeline

- Overview of Code Pipeline
- Benefits of CI/CD
- Key concepts and components

Setting Up Code Pipeline

- Creating a pipeline
- Configuring source stages with AWS Code Commit, S3, or GitHub
- Setting up build stages with AWS Code Build

Pipeline Stages and Actions

- Deploying applications with AWS Code Deploy
- Integrating with third-party tools
- Custom actions and manual approvals

Integrating with Other AWS Services

- Integrating with AWS Lambda
- Using Amazon ECS and EKS for deployments
- Monitoring with AWS CloudWatch

Pipeline Security and Access Control

- IAM roles and policies for CodePipeline
- Securing pipeline artifacts
- Using AWS Secrets Manager

Automating Deployments

- Setting up automated deployments
- Managing deployment strategies (blue/green, canary)
- Rollback and recovery strategies

Monitoring and Notifications

- Configuring notifications with Amazon SNS
- Monitoring pipeline status and logs
- Troubleshooting and debugging pipelines

Cost Management

- Understanding CodePipeline pricing
- Cost optimization strategies
- Using AWS Budgets for cost control