

AWS Discovery Day: AWS Observability, Analytics & IaC

Duration: 4 Hours

Module 1: Observability & Analytics — 2 Hours

CloudWatch

- Metrics, Logs, Alarms and Dashboards
- Application vs infrastructure monitoring
- CloudWatch Logs Insights
- Monitoring Lambda, API Gateway and containers
- Best Practices & Common Anti-Patterns
- **Demo:** CloudWatch dashboard + Logs Insights + Alarm

AWS Analytics

- AWS Glue — Data Catalog and Crawlers
- Amazon Athena — querying data in S3
- Amazon QuickSight — visualization and dashboards
- How Glue → Athena → QuickSight work together
- Best Practices & Common Anti-Patterns
- **Demo:** S3 → Glue → Athena → QuickSight

Module 2: Infrastructure as Code & Governance — 2 Hours

CloudFormation & CDK

- Why Infrastructure as Code?
- CloudFormation — templates, stacks and Change Sets
- Drift detection — overview
- CDK — Constructs, Stacks and synthesis
- CloudFormation vs CDK
- Best Practices & Common Anti-Patterns
- **Demo:** CDK → CloudFormation → AWS resources

AWS Service Catalog

- Why Service Catalog?
- Products, Portfolios and governed provisioning
- Self-service infrastructure
- Service Catalog use cases
- Best Practices & Common Anti-Patterns
- **Demo:** Provision an approved infrastructure product