

# Operations & Security

Take FieldNote from working to production-ready — observability, security, cost, CI/CD.  
~40% of DEA-C01.

**Production data systems must be observable, secure, and cost-aware.** AIDD-AWS-2 hardens FieldNote with CloudWatch and X-Ray, AWS-native security, deliberate cost optimization, and CI/CD with CDK.

## WHAT YOU'LL BE ABLE TO DO

- **Observe everything.** CloudWatch metrics and logs, X-Ray tracing, dashboards.
- **Optimize cost.** Aurora I/O-Optimized, DynamoDB modes, S3 storage classes.
- **Secure with AWS-native controls.** IAM, KMS, Secrets Manager, VPC, encryption.
- **Deploy with CI/CD.** CodePipeline, CodeBuild, and CDK.
- **Build quality in.** Glue Data Quality and Deequ.

## PREREQUISITES

AIDD-AWS-1 or entry-diagnostic pass · the FieldNote project from AWS-1 · Git fundamentals and basic AWS familiarity.

## CREDENTIAL MAPPING

DEA-C01 Domain 3 (Operations & Support, 22%) + Domain 4 (Security & Governance, 18%) — ~40% of the exam.

## HARDEN — FIELDNOTE V2

Hardens FieldNote for production: observability, AWS-native security, cost optimization, and a CDK-based CI/CD pipeline.

LESSONS	TIME	FORMAT	EXAM
<b>~28</b>	<b>~24-28h</b>	<b>Hybrid</b>	<b>Dom 3 &amp; 4</b>

## Ready to run it in production?

Cohort dates and enrollment at [doctaco.academy/aidd-aws](https://doctaco.academy/aidd-aws)

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