ENTERPRISE PROGRAM BRIEF

AgentOps and GenAIOps with Databricks

Operate a governed Databricks AI application with evaluation, deployment and incident evidence.

VNode ITeS | O03

DURATION	LEVEL	FORMAT
48 hours	Practitioner / specialist	Private cohort

AUDIENCE PROFILE

Built for these roles

AI platform engineers, MLOps engineers

OVERVIEW

Executive overview

Operate a governed Databricks AI application with evaluation, deployment and incident evidence. Proposed instructor-led duration; delivery subject to environment and lab validation.

READINESS

Prerequisites

- Working Databricks GenAI application
- DevOps competence
- Applied Generative AI Engineering with Databricks, or equivalent demonstrable experience
- Software Delivery and DevOps Foundations, or equivalent demonstrable experience

PROGRAM OUTCOMES

Capabilities your teams will gain

- Create a governed Databricks AI release and runtime deployment
- Prove evaluation gating and runtime failure diagnosis
- Verify deployed identities and protected diagnostic access
- Demonstrate recovery and an evidence-backed operational handover

ENTERPRISE CUSTOMIZATION

Enterprise customization

Tailor this program to your organization's priorities: Operate a governed Databricks AI application with evaluation, deployment and incident evidence.

- Private cohort scheduling
- Equivalent-experience entry review

CURRICULUM

Curriculum roadmap

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MODULE 1 · 8 HOURS

AI service operating model

Map runtime, data, model and tool dependencies for the application.

- Agent runtime architecture
- Dependencies
- Ownership
- Service objectives

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MODULE 2 · 8 HOURS

Versioning and reproducibility

Create a reproducible release record for baseline and changed versions.

- Code
- Prompts
- Evaluation datasets
- Dependencies and configuration

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MODULE 3 · 8 HOURS

MLflow evaluation and release gates

Build a release decision workflow that rejects a quality regression.

- Scorers
- Human feedback
- Thresholds
- Promotion and rollback

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MODULE 4 · 8 HOURS

Tracing and production diagnosis

Diagnose a supplied runtime or data-access failure using trace evidence.

- Trace spans
- Tool and retrieval failures
- Permissions
- Sensitive telemetry

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MODULE 5 · 8 HOURS

Reliability, scale and cost

Exercise failure recovery and compare operational cost assumptions.

- Serving configuration
- Rate limits
- Failure recovery
- Usage controls

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MODULE 6 · 8 HOURS

Operations capstone

Demonstrate governed release, incident diagnosis and recovery.

- Deployment
- Access checks
- Incident handling
- Runbook

PREPARATION

Environment prerequisites

Azure Databricks workspace with Unity Catalog Appropriate compute/SQL and scoped catalog/storage access AI courses: approved model access, retrieval service and MLflow Deployment courses: supported serverless/Apps/runtime access and service identity Delivery depends on environment and lab validation. This outline does not include step-by-step lab instructions.

CAPSTONE

Capstone

Demonstrate governed release, incident diagnosis and recovery. Assessed Databricks operations dossier Evidence of relevant access, quality and risk controls Demonstration and limitations record

ASSESSMENT

Assessment

Scenario-based practical assessment Create a governed Databricks AI release and runtime deployment 30% Prove evaluation gating and runtime failure diagnosis 25% Verify deployed identities and protected diagnostic access 25% Demonstrate recovery and an evidence-backed operational handover 20% Proposed VNode outline-level assessment; no vendor accreditation or completed lab validation implied.

DELIVERABLES

Participant deliverables

- Assessed Databricks operations dossier
- Evidence of relevant access, quality and risk controls
- Demonstration and limitations record

SCOPE

Scope boundaries

Step-by-step lab instructions; Runnable solution code; Packaged source datasets; Executed environment validation

DELIVERY

Delivery options

Count teaching hours, not calendar days. Exclude breaks. Split into 4-hour or 8-hour teaching sessions; schedule complex project work in contiguous blocks. Proposed hours exclude breaks and are subject to pilot validation.

PRIVATE DELIVERY

Plan a private cohort for your team

Scope delivery format, role mix, and rollout timeline with our solutions team.

Plan Private Delivery

Book advisory call