MICROSOFT OFFICIAL CURRICULUM

Platform Architecture with Databricks

Architecture-focused Databricks program for designing scalable workspace topology, governance boundaries, networking patterns, and platform operating models.

Databricks | Databricks

DURATION	LEVEL	FORMAT	CERTIFICATION
2 days	Advanced	Virtual, On-site, or Hybrid	Databricks architecture-aligned learning plan

AUDIENCE PROFILE

Built for these roles

Built for architects and platform owners who need a more scalable and supportable Databricks enterprise architecture.

OVERVIEW

Executive overview

This architecture-focused program helps platform and cloud teams make better enterprise design decisions for Databricks adoption. It covers workspace and environment topology, security and governance boundaries, networking choices, CI/CD implications, and operational ownership patterns across a broader lakehouse platform.

View official source

READINESS

Prerequisites

- Experience with enterprise cloud-platform architecture.
- Working familiarity with Databricks workspaces and governance concepts.
- Exposure to security, networking, and environment-promotion decisions.

PROGRAM OUTCOMES

Capabilities your teams will gain

- Design workspace and environment topology for Databricks platforms
- Align networking and governance decisions to enterprise requirements
- Improve CI/CD and platform-promotion architecture for Databricks assets
- Create a clearer Databricks operating model for shared platform ownership

ENTERPRISE CUSTOMIZATION

Enterprise customization

Tailor this program to your organization's priorities: Supports better enterprise Databricks rollout decisions by aligning workspace topology, networking, governance, CI/CD, and operating-model architecture early.

- Use your target cloud architecture and subscription model
- Add private networking, identity, and data-governance design decisions
- Extend into platform operating model and support structure planning

CURRICULUM

Curriculum roadmap

1

MODULE 1

Design Databricks workspace architecture

Shape enterprise topology and environment patterns that support both scale and governance across Databricks adoption.

- Workspace topology and environment strategy

2

MODULE 2

Plan security and networking architecture

Connect networking, identity, and access decisions to a realistic Databricks platform architecture.

- Networking, identity, and security architecture

3

MODULE 3

Set governance and engineering standards

Define the governance boundaries and operating standards that let teams use Databricks without uncontrolled platform sprawl.

- Governance boundaries and platform standards

4

MODULE 4

Operationalize platform rollout

Apply environment-promotion, CI/CD, and support-model decisions that make the platform sustainable beyond initial deployment.

- CI/CD, operations, and platform rollout design

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