

PROFESSIONAL COURSE OUTLINE

Databricks

Program aligned

Apache Spark Programming with Databricks

This program aligns to the Apache Spark developer learning pathway on Databricks and prepares teams to build, test, and optimize Spark applications more effectively. It focuses on Spark fundamentals, DataFrame APIs, Spark SQL, transformation logic, and the development habits needed for production-oriented distributed data work.

Data

Intermediate

Databricks Data Intelligence Platform

PROGRAM CODE

Program aligned

DELIVERY

Virtual, On-site, or Hybrid

DURATION

3 days

CERTIFICATION

Databricks Certified Associate Developer for Apache Spark

AUDIENCE PROFILE

Who This Program Is For

Built for practitioners who need to write, validate, and improve Spark applications on Databricks using applied distributed-processing patterns.

PROGRAM SUMMARY

What This Course Covers

Databricks Spark developer program aligned to Apache Spark application-development workflows and associate-level Spark certification outcomes.

TAILORED DELIVERY

Adapt the program around your team.

This outline can be adapted for virtual, on-site, or hybrid delivery, with emphasis adjusted for your team's platform priorities, role mix, and implementation goals.

Enterprise-ready delivery format

VNode ITeS can align labs, examples, delivery pace, and assessment checkpoints to the required audience profile while preserving the official program sequence where applicable.

COMPLETE MODULE SEQUENCE

Module Flow and Topic Coverage

The structure below presents the current delivery flow for this program, including the associated topics covered under each module.



Plan the next session

We can tune this outline around your delivery goals and team mix.

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 info@vnodeites.com +91 9419 11 4792 +91 9419 11 4792

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MODULE 1

Learn Spark programming foundations

Build the core concepts and development model behind Apache Spark applications on Databricks before moving into larger workloads.

- Spark programming foundations

2

MODULE 2

Use DataFrames and Spark SQL effectively

Work with the primary APIs developers use for transformation, querying, and iterative Spark data-processing logic.

- Working with DataFrames and Spark SQL

3

MODULE 3

Build maintainable Spark transformations

Apply reusable coding patterns for transformation-heavy Spark jobs and notebook-to-production development workflows.

- Building transformations and reusable logic

4

MODULE 4

Test and tune Spark application behavior

Improve confidence in Spark jobs through troubleshooting, validation, and performance-aware development choices.

- Testing and improving Spark applications

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