

Databricks Handbook for SAP Business Data Cloud

An Essential Guide for SAP Consultants Working on AI/ML Requirements

This book provides a comprehensive and practical guide to implementing, governing, and using SAP Databricks within the SAP Business Data Cloud (BDC) ecosystem. Designed for enterprise architects, data engineers, analytics professionals, and SAP practitioners, it bridges the gap between traditional SAP data platforms and modern data engineering and machine learning capabilities offered by Databricks. Starting with a clear introduction to Databricks and its collaborative architecture, the book explains how Enterprise Databricks and SAP Databricks differ and how SAP's native integration enables secure, scalable, and governed data processing directly on SAP data. Readers are guided through essential foundation topics such as Single Sign-On (SSO), authorization models, and end-to-end data governance, ensuring they understand how identity, access, and compliance are enforced across the BDC landscape.

The book then dives into the core technical capabilities that make SAP Databricks powerful, including Zero Copy architecture, Delta Sharing, Unity Catalog, and serverless SQL warehouses. It demonstrates how data products can be created, governed, and consumed efficiently while maintaining security and lineage. Practical connectivity patterns show how SAP and non-SAP data sources can be integrated seamlessly for advanced analytics and AI workloads.

Beyond architecture and setup, the book brings everything together through realistic machine learning use cases, scenario-based implementations, and end-to-end workflows from data preparation to model execution and outbound consumption in SAP Datasphere. The final chapters focus on user experience, operational best practices, and hands-on assignments, enabling readers to apply what they've learned directly within their own BDC tenants.

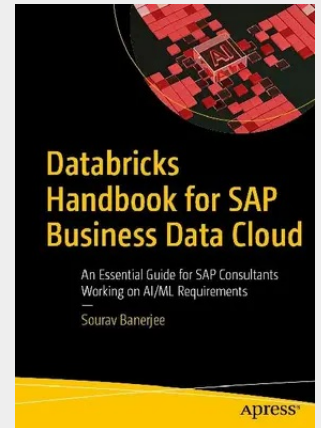
By the end of this book, readers will have a clear, actionable understanding of how to use SAP Databricks to build secure, governed, and intelligent data and AI solutions on SAP's Business Data Cloud platform.

You Will:

- Configure Single Sign-On (SSO) and implement secure authentication within the BDC environment
- Design and manage authorization models to protect sensitive business data and meet compliance requirements
- Apply Zero Copy architecture and Delta Sharing to enable secure, efficient data access

This book is for : SAP professionals, data engineers, data architects, analytics consultants, and enterprise IT leaders

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