

Advanced Dataverse, Model-Driven Apps for Business Application Development

Duration - 2 Days

Course Summary:

This advanced-level course is designed for Power Platform professionals who want to extend their expertise in Microsoft Dataverse, Model-Driven Apps, beyond foundational application development. Participants will learn how to design scalable data models, implement advanced security and administration practices and build sophisticated model-driven user experiences.

The course emphasizes real-world business application scenarios and best practices for building secure, maintainable, and enterprise-ready solutions within the Microsoft Power Platform ecosystem.

Pre-Requisites

Participants should have:

- Knowledge equivalent to PL-7003: Create and Manage Model-Driven Apps
- Experience working with Dataverse tables, forms, views, and relationships
- Familiarity with Microsoft 365 services
- Understanding of relational database concepts and business application design

Course Objectives

By the end of this course, participants will be able to:

- Design and manage Dataverse data models and relationships.
- Configure security, administration, and data management in Dataverse.

- Build and customize Model-Driven Apps using forms, views, custom pages.
 - Integrate Power Platform applications with email, document management, and Word templates.
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Course Content:

Module 1 — Work with Dataverse

Topics Covered

- Create relationships between tables in Microsoft Dataverse
 - Hierarchical Relationships
 - Relationship Mapping
 - Self-Referential Relationships
 - Create and define calculated columns
 - Create and define rollup columns
 - Configure Business Rules
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Module 2 — Manage Microsoft Dataverse

Topics Covered

- Load data into Microsoft Dataverse
 - Export data from Microsoft Dataverse
 - Manage security in Microsoft Dataverse
 - Business Units
 - Teams
 - Security Roles
 - Column Security
 - Hierarchical Security
 - Auditing
 - Administration options in Microsoft Dataverse
 - Understand offline capabilities and limitations in Dataverse
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Module 3 — Model-Driven Apps

Topics Covered

- Design and create Model-Driven Apps
 - Configure forms
 - Configure views
 - Configure custom pages
 - Customize the command bar
 - Demonstrate project control app scenarios
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Module 4 — Manage Interoperability with Other Services

Topics Covered

- Configure email integration
- Configure document management with SharePoint
- Work with Microsoft Word templates
- Discuss PDF report generation approaches
- Discuss MS Access DB migration considerations to Dataverse