

PL-600T00: Microsoft Power Platform Solution Architect Course

Course Duration: 40 Hours

Course code: PL-600T00

1. Course Overview

The PL-600T00: Power Platform Solution Architect training is designed to equip participants with the knowledge and skills needed to design, lead, and oversee implementations of Microsoft Power Platform solutions at enterprise scale. This hands-on course guides solution architects through best practices, architecture considerations, governance, security, scalability, and integration strategies—preparing them to succeed in real-world scenarios and ace the related Microsoft certification.

2. What you'll learn?

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

- Define the responsibilities and deliverables of a Power Platform Solution Architect.
- Understand business requirements and translate them into robust, scalable solutions using Dynamics 365 and Power Platform technologies.
- Design high-level architectural solutions, including data, integration, security, infrastructure, and deployment.
- Establish governance frameworks, security roles, and compliance strategies.
- Plan solution installations, updates, environment strategies, and lifecycle management.
- Coordinate with stakeholders (developers, administrators, business analysts, executives) to drive effective delivery.
- Evaluate and recommend tools for automation, monitoring, performance, and cost-effectiveness.
- Validate a solution against cross-functional quality attributes such as performance, reliability, maintainability, and compliance.

3. Target Audience

This course is ideal for:

- Enterprise Solution Architects focused on Dynamics 365 and Power Platform.
- Technical Leads or Technology Strategists providing end-to-end digital transformation solutions.
- Senior Consultants who architect complex business applications across CRM, ERP, and Power Platform.
- IT Professionals advancing toward a Solution Architect role within Microsoft-aligned architecture teams.
- Those preparing to take the PL-600 exam and earn the Microsoft Certified: Power Platform Solution Architect Expert certification.

4. Pre-Requisites

- Strong experience with Microsoft Power Platform components—Power Apps, Power Automate, Power BI, and Dataverse (formerly Common Data Service).
- Solid understanding of Dynamics 365 applications and data modeling.
- Familiarity with integration technologies (e.g. APIs, Azure Logic Apps), security models, and application lifecycle management (ALM).
- Practical experience in designing business applications, including governance, compliance, and environment strategies.
- Ideally, a background in functional or solution consulting or architecture, and hands-on exposure to past Power Platform or Dynamics 365 implementation projects.

5. Course content

Module 1: Role & Responsibilities of a Solution Architect

- Understanding the architect's ecosystem: stakeholders, deliverables, accountability, and governance models.

Module 2: Understanding Business Strategy & Requirements

- Capturing organizational goals, business processes, non-functional requirements (e.g., security, performance), and translating them into solution requirements.

Module 3: Defining Architecture and Application Strategy

- Designing high-level solution architecture: data flows, compute models, integration, environment strategy, and deployment pipelines.

Module 4: Data Strategy & Modeling

- Dataverse design, entities, relationships, data volume, storage, compliance, and performance optimization.

Module 5: Integration & Extensibility

- Integration approaches: connectors, APIs, Azure services, custom components, security boundaries, and integration governance.

Module 6: Security & Identity

- Identity models (Azure AD), authentication, authorization, role-based access control, data security, and conditional access.

Module 7: Governance, Compliance & Environment Strategy

- Environment strategy (development, test, production), ALM, compliance (e.g., GDPR), data loss prevention policies.

Module 8: Solution Lifecycle & Operational Strategy

- Deployment pipelines, change management, rollback strategies, monitoring, performance tuning, and cost management.

Module 9: Reporting, Insights & Automation

- Power BI integration, Power Automate best practices, AI Builder potentials, reporting architecture and governance.

Module 10: Quality Attributes & Architecture Validation

- Architecturally significant requirements: performance, reliability, scalability, security, maintainability, and how to validate them.

Module 11: Case Studies & Scenario Workshops

- Real-world scenarios: design review, architecture defense, road-mapping, and decision-making exercises.