

MS-PL600T00: MICROSOFT POWER PLATFORM SOLUTION ARCHITECT



DURATION	LEVEL	TECHNOLOGY	DELIVERY METHOD	TRAINING CREDITS
4 Days	Advanced	Microsoft Power Platform	Instructor-led	NA

INTRODUCTION

The Solution Architect is responsible for the successful design, implementation, deployment and adoption of an overall solution. The Solution Architect ensures that the solution meets the customer's needs now and in the future. In this course, students will learn about decisions a Solution Architect makes during an implementation, covering security, integrations, Power Apps architecture, Power Automate architecture, and more. This course is designed to give you an introduction to the Solution Architect role.

AUDIENCE PROFILE

This course is intended for Senior Consultants (both functional and technical) that aspire to be Solution Architects, or current Solution Architects that are new to the role.

PREREQUISITES

Before attending this course, learners need to have the following skills or experience:

- Deep business acumen with Dynamics 365 and Microsoft Power Platform.
- Functional consultant experience with Dynamics 365 and Microsoft Power Platform.
- Familiarity with developer role activities for Dynamics 365 and Microsoft Power Platform.
- Experience with Microsoft Power Platform as a developer or functional consultant
- Experience with Dynamics 365 as a developer or functional consultant
- Experience architecting solutions using Power Platform

COURSE OBJECTIVES

After completing this course, students will be able to:

- Architecting solutions for Dynamics 365 and Microsoft Power Platform
- Designing Microsoft Power Platform solutions

COURSE CONTENT

Module 1: Becoming a solution architect for Dynamics 365 and Microsoft Power Platform

The Solution Architect leads successful implementations and focuses on how solutions address the broader business and technical needs of organizations. This module covers what it takes to get started as a Solution Architect and as key member of the overall project team.

Lessons:

- Introduction to becoming a solution architect
- Existing product and platform skills
- Expectations of a solution architect
- Solution architect role during project phases
- Pillars of a great architecture
- Check your knowledge
- Summary

This module explains:

- What is expected of a solution architect?
- The role of a solution architect during the project phases.

Module 2: Discover customer needs as a Solution Architect for Dynamics 365 and Microsoft Power Platform

In this module, students will learn how to ask customers questions about their business processes and feature requirements to create a viable solution.

Lessons:

- Introduction and discovery overview
- Initial customer discovery
- Customer discovery meetings
- Customer communication strategy
- Check your knowledge
- Summary

In this module, you will:

- Learn about initial customer discovery.
- Discover customer communication strategies.

Module 3: Propose a solution as a Solution Architect for Microsoft Power Platform and Dynamics 365

In this module, students will learn how to propose a solution by identifying solution components, developing Demos or POC's, identifying integrations with third party solutions and recognising strengths and shortfalls of a solution

Lessons:

- Introduction and overview to proposing a solution
- Identify solution components
- Develop and validate a demo
- Identify potential third-party components

- Recognize strengths and weaknesses in a solution
 - Check your knowledge
 - Summary
- In this module, you will:
- Identify solution components.
 - Develop and validate a demo.

Module 4: Work with requirements for Microsoft Power Platform and Dynamics 365

It is important to capture the customer's needs accurately. This module explains how to capture requirements and identify functional and non-functional items.

Lessons:

- Introduction
- Lead requirement capture sessions
- Identify functional requirements
- Identify non-functional requirements
- Confirm and finalize requirements
- Check your knowledge
- Summary

In this module, you will:

- Learn about leading requirement capture sessions.
- Learn about functional and non-functional requirements.

Module 5: Perform fit gap analysis

A fit gap analysis identifies the difference between the known requirements and the proposed or current solution. This module covers performing a fit gap analysis.

Lessons:

- Introduction to fit gap analysis
- Determine feasibility of requirements
- Refine requirements from proof of concept insights
- Categorize business requirements and perform gap fit analysis
- Evaluate Dynamics 365 and Microsoft Power Platform apps
- Check your knowledge
- Summary

This module explains how to:

- Determine feasibility of requirements.
- Refine requirements from proof of concept insights.

- Categorize business requirements and perform a fit gap analysis.
- Evaluate Dynamics 365 and Microsoft Power Platform apps.

Module 6: Solution Architect series: Implement project governance for Power Platform and Dynamics 365

The solution architect for Microsoft Power Platform has a key role on a project. Typically, the solution architect will implement governance, change processes, and monitor the project progress. This module explains the role of the solution architect in implementing project governance.

Lessons:

- Introduction to project governance
- Project governance
- Solution architect's role in project governance
- Techniques for keeping a project on track
- Work as a team
- Check your knowledge
- Summary

In this module, you will:

- Learn about the solution architect's role in project governance.
- Identify techniques for keeping a project on track.
- Explore scenarios that could cause a project to fail.

Module 7: Solution Architect series: Power Platform architecture

Solution Architects are responsible for a solution's overall design. Understanding the capabilities of Power Apps is imperative when designing apps for a solution. This module explains the different types of apps, the differences between apps, and when and which type(s) of apps to use.

Lessons:

- Introduction
- Environments
- Environment data location
- Work with data
- Custom logic
- Platform limits
- High availability and disaster recovery considerations
- Check your knowledge
- Summary

In this module, you will:

- Review the key Power Platform architecture components.
- Explore how the platform's design and limits can influence solution architectures.
- Review how to communicate with the customer on how the platform can meet their needs.

Module 8: Solution Architect series: Explore Power Apps architecture

Solution Architects are responsible for a solution's overall design. Understanding the capabilities of Power Apps is imperative when designing apps for a solution. This module explains the different types of apps, the differences between apps, and when and which type(s) of apps to use.

Lessons:

- Introduction
- Common app patterns
- App composition
- Components
- Optimize canvas apps
- Microsoft Teams and Power Apps
- Portal apps
- Check your knowledge
- Summary

In this module, you will:

- Explore options for apps and how to choose where to start.
- Explore app composition options.
- Learn how to use components as part of your app architecture.
- Discover when to include Power Apps portals as an app in your architecture.

Module 9: Explore Power Automate architecture

Solution architects are responsible for a solution's overall design. Understanding the capabilities of Power Automate is imperative when designing the automation for the solution. This module focuses on Power Automate and its capabilities.

Lessons:

- Introduction
- Triggers
- Common actions
- Error handling
- Best practice
- Business process flows
- Check your knowledge

- Summary
- In this module, you will:
- Review options for automation and custom logic.
 - Review considerations for using triggers and common actions.
 - Explore how to use business process flows to guide users through business processes.

Module 10: Solution Architect Series: Explore Microsoft Copilot Studio

Increasingly, copilots are becoming an important component of business applications. Solution Architects need to understand the capabilities of Microsoft Copilot Studio when designing a Microsoft Power Platform solution. This module provides an in-depth description of Microsoft Copilot Studio and its capabilities.

Lessons:

- Introduction
- Agent building options
- Agent concepts
- Best practices
- Integrate agents
- Microsoft Copilot Studio in Teams
- Check your knowledge
- Summary

In this module, you will:

- Explore options for agents and how to choose where to start.
- Explore scenarios for agents.
- Learn about the components of Microsoft Copilot Studio.

Module 11: Solution Architect Series: Explore robotic process automation

Robotic process automation helps with the automation of legacy applications. Solution architects are required to know the capabilities of Power Automate for desktop when they are integrating a Microsoft Power Platform solution. This module will explain Power Automate Desktop and its capabilities.

Lessons:

- Introduction
- Power Automate for desktop
- Record and edit tasks
- Run desktop flows
- Process mining
- Check your knowledge
- Summary

In this module, you will:

- Explore options for automation and how to choose where to start.
- Explore scenarios for Power Automate for desktop.
- Learn about the components for running Power Automate for desktop flows.

Module 12: Solution Architect Series: Model data for Power Platform solutions

This module explains the solution architect's role in data modelling for Power Platform and the trade-offs for modelling data in Power Platform solutions.

Lessons:

- Introduction
- Common Data Model
- Data modelling
- Choose a data store
- Data modelling for Dataverse
- Best practices for Dataverse
- Exercise - Model data
- Architecture of Fabrikam data model and devices
- Report data and handle primary visitors
- Handle visitors, waivers, and photos
- Example data model solution
- Check your knowledge
- Summary

In this module, you will:

- Learn about data modelling influencers.
- Discover various data model strategies.
- Learn about data types and data relationships.

Module 13: Solution Architect Series: Evaluate Power Platform analytics and AI

A Solution Architect for Microsoft Power Platform evaluates the needs for reporting and then identifies the best approach. This module examines the available reporting and analytics options for Power Platform.

Lessons:

- Introduction
- Power Platform reporting capabilities
- Power BI overview
- Data requirements
- Power BI and Power Platform
- Dataflows
- AI
- Check your knowledge
- Summary

In this module, you will:

- Discover the planning and evaluating requirements.
- Learn about operational reporting.
- Review the capabilities of Microsoft Power BI and how to use it with Power Platform components.
- Learn how to use pre-built insights and custom AI.

Module 14: Solution Architect Series: Implement integrations with Power Platform

Solution Architects for Microsoft Power Platform lead the design of integrations. This module explores the issues that occur during integration with Power Platform solutions.

Lessons:

- Introduction
- Integration challenges
- Inbound data integration
- Outbound data integration
- Check your knowledge
- Summary

In this module, you will:

- Learn about the solution architect's role in integrations.
- Learn about integration and why it is necessary.
- Discover Power Platform features that help enable integration.
- Use the capabilities of Microsoft Azure.

Module 15: Solution Architect Series: Plan application lifecycle management for Power Platform

Solution Architects for Microsoft Power Platform need to define the environment strategy and application lifecycle management (ALM) for transporting work from development to test to production.

Lessons:

- Introduction
- Key considerations for ALM
- Solutions
- Configuration and reference data
- Release process
- ALM with Azure DevOps
- Check your knowledge
- Summary

In this module, you will:

- Learn about Microsoft's vision and the solution architect's role in ALM.
- Review environment strategies.

- Define a solution structure for your deliverables.

Module 16: Solution Architect Series: Testing and go-live

Proper testing is important to help ensure the project's success. The solution architect plays a key role in ensuring a project is properly tested. Lessons:

- Introduction
- Plan for go-live
- Data migration
- Plan for go-live
- Check your knowledge
- Summary

In this module, you will:

- Review the solution architect's role with testing and go-live.
- Learn about the data migration process and deployment.
- Learn about the testing process.
- Discover how to plan for go-live.

Module 17: Becoming a Solution Architect for Dynamics 365 and Microsoft Power Platform

The Solution Architect leads successful implementations and focuses on how solutions address the broader business and technical needs of organizations. This module covers what it takes to get started as a Solution Architect and as key member of the overall project team.

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- Introduction to becoming a solution architect
- Existing product and platform skills
- Expectations of a solution architect
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This module explains:

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Module 18: Challenge project - Create Microsoft Power Platform solutions

In this challenge project, you are creating your own solutions to the stated problems for a customer. You are analysing and architecting solutions based on a series of sheets in a planning workbook.

Lessons:

- Introduction
- Prepare
- Exercise - Create solutions for customers using Power Platform
- Module assessment
- Summary

In this module, you demonstrate your ability to:

- Choose a customer based on a provided industry
- Get to know the customer
- Evaluate the current state of technology
- Compare to the stated needs
- Perform discovery and planning exercises
- Complete the project workbook

ASSOCIATED CERTIFICATIONS & EXAMS

This course will prepare delegates to write the [PL-600](#): Microsoft Power Platform Developer exam.