Course Details

Course Code: PL-600T00

Duration: 4 days

Notes:

- This course syllabus should be used to determine whether the course is appropriate for the students, based on their current skills and technical training needs.
- Course content, prices, and availability are subject to change without notice.
- Terms and Conditions apply

Elements of this syllabus are subject to change.

About this course

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

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

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.

Learning objectives

In this module, you will:

- Learn about what is expected of a solution architect.
- Learn about the role of a solution architect during the project phases.

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

Learn how to ask customers questions about their business processes and feature requirements to create a viable solution.

Learning objectives

In this module, you will:

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

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

Learn how to propose a solution.

Learning objectives

In this module, you will:

- Identify solution components.
- Develop and validate a demo.

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.

Learning objectives

In this module, you will:

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

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.

Learning objectives

In this module, you will:

- 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.

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.

Learning objectives

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.

Solution Architect series: Power Platform architecture

Solution architects are responsible for overall design of the solution. Understanding the architecture of Microsoft Power Platform control is imperative when designing solutions based on Power Platform. This module describes the components and capabilities of Power Platform and how they control the design of your solutions.

Learning objectives

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.

Solution architect series: Model data for Power Platform solutions

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

Learning objectives

In this module, you will:

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

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.

Learning objectives

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.

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.

Learning objectives

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.

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.

Learning objectives

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.

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.

Learning objectives

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.

Solution architect series: Model security for Power Platform solutions

This module explains the solution architect's role in security modeling for Microsoft Power Platform, security options for your tenant and environments, and access to data and functionality within Dataverse.

Learning objectives

In this module, you will:

- Discover the solution architect's role in security modeling.
- Learn how to control access to environments and resources.
- Learn how to control access to data in Dataverse.

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.

Learning objectives

In this module, you will:

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

Solution architect series: Explore Power Virtual Agents

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

Learning objectives

In this module, you will:

- Explore options for chatbots and how to choose where to start.
- Explore scenarios for chatbots.
- Learn about the components of Power Virtual Agents

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.

Learning objectives

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.

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.

Learning objectives

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.