

PL-600: Microsoft Power Platform Solution Architect

Overview

A 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.

This course is designed to give you an introduction to the Solution Architect role. Attendees will learn about decisions a Solution Architect makes during an implementation, covering security, integrations, Power Apps architecture, Power Automate architecture, and more.

Course Objectives

By the end of this course, participants will:

- Understand the role and responsibilities of a Solution Architect.
- Learn to design scalable, secure solutions using Power Platform and Dynamics 365.
- Apply best practices in architecture, governance, and integration.

Duration

5 Days

Who Should Attend

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

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Learning outcomes:

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

- Lead requirement gathering, solution blueprinting, and architectural decision-making for Power Platform and Dynamics 365 projects.
- Apply governance, ALM strategies, and integration techniques to ensure scalable, secure, and maintainable solutions.
- Evaluate and design solutions involving Power Apps, Power Automate, Power BI, AI, and RPA, aligning them with business objectives and platform capabilities.

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Outline

Day 1	Module 1: Becoming a Solution Architect/Getting to know your customer - Lessons - Define a Solution Architect - Role of a Solution Architect on projects - Project Methodology - Getting to know your customer - Group exercise - Getting to know your customer
	Module 2: Conceptualizing the design from requirements - Lessons - How to lead the requirement collection effort - Using fit gap analysis - Pillars of good architecture - Blueprinting the solution architecture - Group exercise - Design from requirements
	Module 3: Project governance and working as a team - Lessons - Solution Architect's role in project governance - Techniques for keeping a project on track - Scenarios that could cause a project to fail - Group exercise - Project governance and working as a team
Day 2	Module 4: Power Platform Architecture - Lessons - Key Power Platform architecture components - Understand how platform design and limits influence solution architectures - Updates and feature releases - Understand how to communicate how the platform meets customer needs
	Module 5: Data Modeling - Lessons - Data model influences - Data model strategy - Data types - Data relationships

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	Group exercise - Data modeling
	Module 6: Analytics and artificial intelligence - Lessons - Planning and evaluating requirements - Operational reporting - Power BI - Enterprise BI - Pre-built insights and custom AI
Day 3	Module 7: Power Apps Architecture - Lessons - Discuss options for apps and how to choose where to start - Discuss app composition options - Using components as part of your app architecture - Considerations for including Portals as an app in your architecture - Group exercise - Power Apps Architecture topics
	Module 8: Application Lifecycle Management (ALM) - Lessons - Microsoft vision and Solution Architect's role in ALM - Environment strategies - Defning a solution structure for your deliverable - Lab: ALM Hands-on Lab
	Module 9: Power Automate Architecture - Lessons - Discuss options for automation and custom logic - Review considerations for using triggers and common actions - Explore using Business Process Flows (BPF) to guide users through business processes - Group Exercise - Evaluate scenarios for Power Automate usage
Day 4	Module 10: Security Modeling - Lessons - Solution Architect's role in security modeling - Discovery and learning your client's environment - Controlling access to environments and resources

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- Controlling access to CDS Data
- Group Exercise - Security Modeling

Module 11: Integration

- Lessons
- Solution Architects role in Integrations
- What is an integration and why do we need it
- Platform features that enable integration
- CDS Event Publishing
- Scenarios for group discussion

Module 12: Dynamics 365 Applications Architecture

- Lessons
- Solution Architect's role when deploying Dynamics 365 apps
- Architecture Considerations for primary apps
- Group Exercise - App specific working groups evaluate requirements

Day 5

Module 13: Power Virtual Agents architecture

- Lessons
- Introduction
- Chatbot options
- Chatbot concepts
- Best practices
- Integrate chatbots
- Power Virtual Agents in Microsoft Teams

Module 14: Robotic Process Automation

- Lessons
- Introduction
- Power Automate Desktop
- Recording and editing tasks
- Running desktop flows
- Process advisor

Module 15: Testing and Go Live

- Lessons
- Solution Architect's role with testing and go live
- Planning for testing
- Planning for go live

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Time	Day 1	Day 2
9:00am - 10:30am	Module 1: Becoming a Solution Architect/Getting to know your customer	Module 4: Power Platform Architecture
10:30am - 10:45am	Morning Break	
10:45am - 12:30pm	Module 2: Conceptualizing the design from requirements	Module 5: Data Modeling
12:30pm - 1:30pm	Lunch Break	
1:30pm - 3:30pm	Continuation Module 2	Continuation Module 5
3:30pm - 3:45pm	Afternoon Break	
3:45pm - 5:00pm	Module 3: Project governance and working as a team	Module 6: Analytics and artificial intelligence

Time	Day 3	Day 4
9:00am - 10:30am	Module 7: Power Apps Architecture	Module 10: Security Modeling
10:30am - 10:45am	Morning Break	
10:45am - 12:30pm	Module 8: Application Lifecycle Management (ALM)	Module 11: Integration
12:30pm - 1:30pm	Lunch Break	
1:30pm - 3:30pm	Continuation Module 8	Continuation Module 11
3:30pm - 3:45pm	Afternoon Break	
3:45pm - 5:00pm	Module 9: Power Automate Architecture	Module 12: Dynamics 365 Applications Architecture

Time	Day 5
9:00am - 10:30am	Module 13: Power Virtual Agents architecture
10:30am - 10:45am	Morning Break
10:45am - 12:30pm	Module 14: Robotic Process Automation
12:30pm - 1:30pm	Lunch Break
1:30pm - 3:30pm	Continuation Module 14
3:30pm - 3:45pm	Afternoon Break
3:45pm - 5:00pm	Module 15: Testing and Go Live