

PL-600T00 Power Platform Solution Architect

Class Length: 4 Days

Overview

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.

Target Audience

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

Course Outline

1 - Becoming a Solution Architect/Getting to know your customer

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

2 - Conceptualizing the design from requirements

How to lead the requirement collection effort
Using fit gap analysis
Pillars of good architecture
Blueprinting the solution architecture
Group exercise - Design from requirements

3 - Project governance and working as a team

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

4 - Power Platform Architecture

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

5 - Data Modeling

Data model influences
Data model strategy
Data types
Data relationships
Group exercise - Data modeling

6 - Analytics and artificial intelligence

Planning and evaluating requirements
Operational reporting
Power BI
Enterprise BI
Pre-built insights and custom AI

7 - Power Apps Architecture

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

8 - Application Lifecycle Management (ALM)

Microsoft vision and Solution Architect's role in ALM
Environment strategies
Defining a solution structure for your deliverable

9 - Power Automate Architecture

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

10 - Security Modeling

Solution Architect's role in security modeling
Discovery and learning your client's environment
Controlling access to environments and resources
Controlling access to CDS Data
Group Exercise - Security Modeling

11 - Integration

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

12 - Dynamics 365 Applications Architecture

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

13 - Power Virtual Agents architecture

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

14 - Robotic Process Automation

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

15 - Testing and Go Live

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