

Exam PL-600: Microsoft Power Platform Solution Architect

Introduction

Exam PL-600: Microsoft Power Platform Solution Architect certification is for candidates who want to gain functional and technical knowledge of the Power Platform, Dynamics 365 customer engagement apps, related Microsoft cloud solutions, and other third-party technologies. The candidates will successfully be able to lead implementations and focus on how solutions address the broader business and technical needs of organizations. In addition to that, a solution architect applies knowledge and experience throughout an engagement and performs proactive and preventative work to increase the value of the customer's investment and promote organizational health.

Course Outline

MODULE 1: Perform solution envisioning and requirement analyses (35-40%)

- Initiate solution planning
 - evaluate business requirements
 - identify Microsoft Power Platform solution components
 - identify other components including existing apps, AppSource apps, third-party components, and components from independent software vendors (ISV)
 - identify and estimate migration effort
- Identify organization information and metrics
 - identify desired high-level organizational business processes
 - identify business process automation opportunities
 - assess an organization's risk factors
 - review key success criteria
- Identify existing solutions and systems
 - evaluate an organization's enterprise architecture
 - identify data sources needed for a solution
 - define use cases and quality standards for existing data
 - identify and document an organization's business processes
- Capture requirements
 - refine high-level requirements
 - identify functional requirements
 - identify non-functional requirements
 - confirm that requirements meet an organization's goals
- Perform fit/gap analyses
 - determine the feasibility of meeting specific requirements
 - evaluate Dynamics 365 apps and AppSource options to solve requirements
 - address functional gaps through alternate solutions
 - determine the scope for a solution

MODULE 2: Architect a solution (40-45%)

- Lead the design process
 - design the solution topology
 - design customizations for existing apps
 - design and validate user experience prototypes
 - identify opportunities for component reuse
 - communicate system design visually
 - design application lifecycle management (ALM) processes
 - design a data migration strategy
 - design apps by grouping required features based on role or task

- design a data visualization strategy
- design an automation strategy that uses Power Automate
- Design the data model
 - design tables and columns
 - design reference and configuration data
 - design relationships and relationship behaviors
 - determine when to connect to external data versus import data
 - design data models to address complex sets of requirements
- Design integrations
 - design collaboration integrations
 - design integrations between Microsoft Power Platform solutions and Dynamics 365 apps
 - design integrations with an organization's existing systems
 - design third-party integrations
 - design an authentication strategy
 - design a business continuity strategy
 - identify opportunities to integrate & extend Microsoft Power Platform solutions by using Microsoft Azure
- Design the security model
 - design the business unit and team structure
 - design security roles
 - design column security
 - design security models to address complex sets of requirements
 - determine security model management policies and processes
 - identify Azure Active Directory groups and app registrations required to support a solution
 - identify data loss prevention (DLP) policies for a solution
 - determine how external users will access a solution

MODULE 3: Implement the solution (15-20%)

- Validate the solution design
 - evaluate detail designs and implementation
 - validate security
 - ensure that the solution conforms to API limits
 - resolve automation conflicts
 - resolve integration conflicts
- Support go-live
 - identify and resolve potential and actual performance issues
 - troubleshoot data migration
 - resolve any identified issues with deployment plans
 - identify factors that impact go-live readiness and remediate issues

Prerequisites

Basic Computer Knowledge.

Target Audience

Microsoft Power Platform solution architects lead successful implementations and focus on how solutions address the broader business and technical needs of organizations.

A solution architect has functional and technical knowledge of the Microsoft Power Platform, Microsoft Dynamics 365 customer engagement apps, related Microsoft cloud solutions, and other third-party technologies. A solution architect applies knowledge and experience throughout an engagement. The solution architect performs proactive and preventative work to increase the value of the customer's investment and promote organizational health. This role requires the ability to identify opportunities to solve business problems.

Solution architects have experience across functional and technical disciplines of the Microsoft Power Platform. Solution architects should be able to facilitate design decisions across development, configuration, integration,

infrastructure, security, availability, storage, and change management. This role balances a project's business needs while meeting functional and non-functional requirements.

Duration

32 Hours