Microsoft Dynamics 365 + Power Platform Solution Architect

Duration: *3 Day(s)*

Course 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.

Review this course online at https://www.alta3.com/courses/MB-600T00

Objectives

- Design solutions that meet both current and future customer needs using Dynamics 365 and Power Platform.
- Implement successful architecture strategies, addressing security, integrations, and Power Platform capabilities.
- Understand the role and methodologies of a Solution Architect in guiding project success.
- Adopt and deploy Dynamics 365 and Power Platform solutions effectively.

Who Should Attend

- Senior Consultants
- Aspiring Solution Architects
- Current Solution Architects
- Technical Consultants

Prerequisites

- Passed MB-200 Exam
- Experience with Dynamics 365 and the Power Platform
- Senior Consultant (functional or technical) or Solution Architect new to role
- Some knowledge of Microsoft Azure

Course Outline

Module 1: Becoming a Solution Architect/Getting to Know Your Customer

1. Define a Solution Architect
2. Role of a Solution Architect on projects
3. Project Methodology
4. Getting to know your customer
5. Group exercise - Getting to know your customer

Module 2: Conceptualizing the Design from Requirements

6. How to lead the requirement collection effort
7. Using fit gap analysis

8. Pillars of good architecture
9. Blueprinting the solution architecture
10. Group exercise - Design from requirements

Module 3: Project Governance and Working as a Team

11. Solution Architect's role in project governance
12. Techniques for keeping a project on track
13. Scenarios that could cause a project to fail
14. Group exercise - Project governance and working as a team

Module 4: Power Platform Architecture

15. Key Power Platform architecture components
16. Understand how platform design and limits influence solution architectures
17. Updates and feature releases
18. Understand how to communicate how the platform meets customer needs

Module 5: Data Modeling

19. Data model influences
20. Data model strategy
21. Data types
22. Data relationships
23. Group exercise - Data modeling

Module 6: Analytics and Artificial Intelligence

24. Planning and evaluating requirements
25. Operational reporting
26. Power BI
27. Enterprise BI
28. Pre-built insights and custom AI

Module 7: Power Apps Architecture

29. Discuss options for apps and how to choose where to start
30. Discuss app composition options
31. Using components as part of your app architecture
32. Considerations for including Portals as an app in your architecture
33. Group exercise - Power Apps Architecture topics

Module 8: Application Lifecycle Management (ALM)

34. Microsoft vision and Solution Architect's role in ALM

35. Environment strategies
36. Defining a solution structure for your deliverable Lab: ALM Hands-on Lab

Module 9: Power Automate Architecture

37. Discuss options for automation and custom logic
38. Review considerations for using triggers and common actions
39. Explore using Business Process Flows (BPF) to guide users through business processes
40. Group Exercise - Evaluate scenarios for Power Automate usage

Module 10: Security Modeling

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

Module 11: Integration

46. Solution Architects role in Integrations
47. What is an integration and why do we need it
48. Platform features that enable integration
49. CDS Event Publishing
50. Scenarios for group discussion

Module 12: Dynamics 365 Applications Architecture

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

Module 13: Testing and Go Live

54. Solution Architect's role with testing and go live
55. Planning for testing
56. Planning for go live