

Microsoft Power Platform Solution Architect (PL-600T00)

Duration: 4 days

Audience: Professionnel TI

Who is this training for?

Senior consultants (functional and technical) who aspire to become solution architects, or existing solution architects who are new to this role.

Training objectives

- Understand the role and responsibilities of the Power Platform Solution Architect.
- Analyze business needs and translate them into appropriate solution architectures.
- Design global architectures integrating Power Apps, Power Automate, Dataverse, Power BI and Dynamics 365.
- Define security, governance, and ALM strategies.
- Plan integrations, automation, and analytics in a Microsoft environment.
- Prepare for role expectations and Microsoft PL-600 certification.

Summary

The solution architect is responsible for the successful design, implementation, deployment, and adoption of a comprehensive solution. The solution architect ensures that the solution meets the client's current and future needs. In this course, you'll learn the 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 role of a solutions architect.

Course outline

- Becoming a Solutions Architect and Getting to Know Your Customer
- Defining a Solutions Architect • The Role of the Solutions Architect in Projects
- Project Methodology
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Getting to Know Your Customer

- Group Exercise – Getting to Know Your Customer Conceptualizing Design from Requirements
- How to Lead the Requirements Gathering Effort
- Using Adaptation Gap Analysis
- The Pillars of Good Architecture
- Building Solution Architecture
- Group Exercise - Designing from Requirements Project Governance and Teamwork
- The Solutions Architect's Role in Project Governance
- Techniques for Keeping a Project on Track
- Scenarios that Can Cause a Project to Fail
- Group Exercise - Project Governance and Teamwork Power Platform Architecture
- The Key Components of Power Platform Architecture
- Understand How Design and Platform Limitations Influence Solution Architectures
- Feature Updates and Releases
- Understand How to Communicate How the Platform Meets Customer Needs Data Modeling
- Data Model Influences
- Data Model Strategy
- Data Types
- Data Relationships
- Group Exercise - Data Modeling Analytics and Artificial Intelligence
- Planning and Needs Assessment
- Reporting
- Power BI
- Enterprise BI
- Pre-built information and custom AI 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's architecture
- Considerations for including portals as apps in your architecture
- Group exercise - topics related to Power Apps Architecture Managing Application Lifecycle (ALM)
- Microsoft's vision and the role of the solution architect in ALM
- Environment policies • Define a solution structure for your deliverable
- Lab: ALM Power Automate Architecture labs •
- Discuss automation and custom logic options • Review considerations for using triggers and common actions • Explore the use of business process flows (BPFs) to Guide users through business processes • Group exercise - Evaluate Power Automate Security Modeling use cases • The role of the solution architect in security modeling • Discovering and learning about your customer's environment • Controlling access to environments and resources • Controlling access to CDS data • Group exercise - Security modeling Integration • The role of solution architects in the Integrations • What is an integration and why do we need one? • Platform features enabling integration • Publishing CDS events • Scenarios for Dynamics 365 Apps group chat Architecture • The role of the solutions architect when deploying Dynamics 365 apps • Architecture considerations for primary apps • Group exercise - App-specific workgroups assess needs Power Virtual Agents architecture • Introduction • Chatbot options • Chatbot concepts • Best practices • Integrate chatbots • Power Virtual Agents in Microsoft Teams Robotic process automation • Introduction • Power Automate Desktop • Recording and editing tasks • Running desktop workflows • Process Advisor Testing and going live • Solution architect's role in testing and go-live • Test planning • Go-live planning

Approach and methodology

Practical and structured approach combining focused theory and guided workshops. Participants gradually adopt a Microsoft Power Platform solution architect posture through concrete exercises inspired by professional scenarios, promoting an immediate application of the learnings. They learn how to design global solutions, integrate the different components of the Power Platform and define robust, secure and scalable architectures that meet business needs. Led by a Microsoft-certified trainer, the training focuses on interactivity and the development of strategic and technical skills that are directly transferable to manage transformation projects in a professional context.

Prerequisites

- Hands-on experience with Power Platform (Power Apps, Power Automate, Dataverse)
- Good understanding of data modeling and business processes Knowledge of Microsoft 365 and Azure environments
- Notions of security, governance and systems integration
- Experience in needs analysis and solution design

Recommendations

- Experience with Microsoft Power Platform (Power Apps, Power Automate, Dataverse)
- Understanding of data modeling concepts and solution architecture
- Knowledge of Microsoft 365 and Azure environments
- Notions of security, governance and integration
- Experience in business needs analysis and solution design