

Microsoft Power Platform Solution Architect

The training covers key issues related to architecting solutions on Microsoft Power Platform and Dynamics 365. It's also excellent preparation for the certification exam PL-600: Microsoft Power Platform Solution Architect, which will confirm your skills in the area of solution architecture for Power Platform. The training is an ideal starting point for experienced developers and functional consultants who want to transition into the solution architect role and lead successful implementations. Through a practical approach focused on decision-making skills, participants will gain the knowledge and skills necessary to effectively architect solutions that address broader business and technical needs of organizations.



Training recipients

The training is intended for:

- experienced Power Platform developers and functional consultants who are transitioning to the solution architect role and want to lead successful implementations of Power Platform and Dynamics 365 solutions.
- IT professionals with functional and technical knowledge of Microsoft Power Platform, Dynamics 365 customer engagement apps, related Microsoft cloud solutions, and third-party technologies who want to formalize their solution architecture skills.
- Solution architects who need to facilitate design decisions across development, configuration, integration, infrastructure, security, licensing, availability, storage, and change management.
- Those preparing for Microsoft Power Platform Solution Architect (PL-600) certification.



Benefits

- Solution envisioning and requirement analysis – You'll learn to discover customer needs, lead requirement capture sessions, and perform fit gap analysis to propose comprehensive solutions.
- Architectural decision-making skills – You'll develop the critical thinking abilities needed to make informed decisions about solution components, integration patterns, and platform capabilities rather than following prescriptive guidance.
- End-to-end project governance – You'll understand how to influence project governance, implement application lifecycle management, and keep projects on track from conception through go-live.
- Comprehensive platform knowledge – You'll gain deep understanding of Power Platform architecture including data modeling, security, analytics, AI, and integration patterns across all platform components.
- Real-world application through exercises – You'll participate in group exercises and discussions based on realistic scenarios, allowing you to practice solution architecture skills in a collaborative environment.
- Preparation for certification – You'll be thoroughly prepared for the PL-600 certification exam through comprehensive coverage of all exam study areas.
- Cross-technology integration expertise – You'll learn to architect solutions that span Power Apps, Power Automate, Power BI, Power Virtual Agents, Dynamics 365 applications, and third-party systems.



Training program

1. Becoming a solution
 - Becoming a solution architect for Dynamics 365 and Microsoft Power Platform
 - Introduction to becoming a solution architect
 - Existing product and platform skills
 - Expectations of a solution architect
 - Solution architect role during project phases
 - Pillars of a great architecture
 - Discover customer needs as a Solution Architect for Dynamics 365 and Microsoft Power Platform
 - Introduction and discovery overview
 - Initial customer discovery
 - Customer discovery meetings
 - Customer communication strategy
 - Group Exercise 1 – Getting to know your customer
2. Implement project
 - Propose a solution as a Solution Architect for Microsoft Power Platform and Dynamics 365
 - Introduction and overview to proposing a solution
 - Identify solution components
 - Develop and validate a demo
 - Identify potential third-party components

- Recognize strengths and weaknesses in a solution
- Work with requirements for Microsoft Power Platform and Dynamics 365
 - Introduction
 - Lead requirement capture sessions
 - Identify functional requirements
 - Identify non-functional requirements
 - Confirm and finalize requirements
- Perform fit gap analysis
 - Introduction to fit gap analysis
 - Determine feasibility of requirements
 - Refine requirements from proof of concept insights
 - Categorize business requirements and perform gap fit analysis
 - Evaluate Dynamics 365 and Microsoft Power Platform apps
 - Group Exercise 2 - Design from requirements
- 3. Implement project governance for Power Platform and Dynamics 365
 - Introduction to project governance
 - Project governance
 - Solution architect's role in project governance
 - Techniques for keeping a project on track
 - Work as a team
 - Group Exercise 3 - Review work
- 4. Power Platform architecture
 - Introduction
 - Environments
 - Environment data location
 - Work with data
 - Custom logic
 - Platform limits
 - High availability and disaster recovery considerations
- 5. Model data for Power Platform solutions
 - Introduction
 - Common Data Model
 - Data modeling
 - Choose a data store
 - Data modeling for Dataverse
 - Best practices for Dataverse
 - Architecture of Fabrikam data model and devices
 - Report data and handle primary visitors
 - Handle visitors, waivers, and photos
 - Example data model solution
 - Group Exercise 4 - Design a data model

6. Evaluate Power Platform analytics and AI
 - Introduction
 - Power Platform reporting capabilities
 - Power BI overview
 - Data requirements
 - Power BI and Power Platform
 - Dataflows
 - AI
7. Explore Power Apps architecture
 - Introduction
 - Common app patterns
 - App composition
 - Components
 - Optimize canvas apps
 - Microsoft Teams and Power Apps
 - Portal apps
 - Group Exercise 5 - Determine app types
8. Plan application lifecycle management for Power Platform
 - Introduction
 - Key considerations for ALM
 - Solutions
 - Configuration and reference data
 - Release process
 - ALM with Azure DevOps
 - Group Exercise 6 - App composition and solution segmentation
9. Explore Power Automate architecture
 - Introduction
 - Triggers
 - Common actions
 - Error handling
 - Best practice
 - Business process flows
 - Group Exercise 7 - Evaluate automation options
10. Model security for Power Platform solutions
 - Introduction
 - Environment security
 - Data loss prevention
 - Access to Dataverse
 - Security in apps
 - Group Exercise 8 - Security modeling
11. Implement integrations with Power Platform

- Introduction
- Integration challenges
- Inbound data integration
- Outbound data integration
- Group Exercise 9 – Evaluate integration options
- 12. Explore Dynamics 365 applications architecture
 - Dynamics 365 Sales architecture considerations
 - Dynamics 365 Customer Service architecture considerations
 - Dynamics 365 Field Service architecture considerations
 - Group Exercise 10 – Evaluate requirements for first-party apps
- 13. Explore Power Virtual Agents
 - Introduction
 - Agent building options
 - Agent concepts
 - Best practices
 - Integrate agents
 - Microsoft Copilot Studio in Teams
 - Group Exercise 11 – Evaluate requirements for chatbots
- 14. Explore robotic process automation
 - Introduction
 - Power Automate for desktop
 - Record and edit tasks
 - Run desktop flows
 - Process mining
- 15. Testing and go-live
 - Introduction
 - Plan for go-live
 - Data migration
 - Plan for go-live



Expected preparation of the participant

- Minimum of two years of hands-on experience working with Microsoft Power Platform
- Functional and technical knowledge of Microsoft Power Platform and Dynamics 365 customer engagement apps
- Experience with related Microsoft cloud solutions and third-party technologies
- Understanding of development, configuration, integration, infrastructure, security, licensing, availability, storage, and change management concepts
- Ability to participate in discussions and group exercises

- Deep business acumen and understanding of organizational needs
- We recommend prior participation in trainings: PL-900, PL-7003, PI-7001,PI-7002,PI-200, PL-400,PL-500



Training Includes

- * electronic handbook available at:
<https://learn.microsoft.com/pl-pl/training/>
- * access to Altkom Akademia student portal

Training method:
explanations of technical concepts,
practical laboratories
demo,



Language

- **Training:** English
- **Materials:** English

Examination method

The exam is on-line. You can enroll at: <https://home.pearsonvue.com/Clients/Microsoft.aspx>

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Examination description

After the PL-600 course, you can take Microsoft certification exams:an Authorized Test Center,online being monitored by an offsite proctor. Details on the website:<https://learn.microsoft.com/en-us/certifications/exams/pl-600/>