Microsoft Power Platform Solution Architect (PL-600)

Description

This training prepares you for the role of a solution architect. You will learn how to frame, design, and manage a robust platform. The program covers security, integrations, and component orchestration. You will explore Power Apps, Power Automate, and Dataverse. You will structure clear decisions aligned with business objectives.

Microsoft Power Platform Solution Architect: aiming for success

The course aligns with the requirements of the PL-600 exam. It highlights the responsibilities of a Microsoft Power Platform Solution Architect. You will transform business needs into concrete requirements. You will assess risks and dependencies. You will build a sustainable architecture, ready to evolve. You will establish effective and measurable governance.

Course Content

Module 1: Becoming a solution architect

- Role and responsibilities within the project
- Expected platform and product skills
- Key requirements and deliverables
- Involvement across project phases
- Pillars of a quality architecture

Module 2: Identifying client needs

- Overview of discovery
- Initial client discovery
- Client discovery workshops
- Client communication strategy

Module 3: Proposing a solution

- Overview of a solution proposal
- Identify solution components

- Develop and validate a demonstration
- Identify potential third-party components
- Recognize strengths and weaknesses of a solution

Module 4: Working with requirements

- Overview of requirements gathering
- Conduct requirements workshops
- Identify functional requirements
- Identify non-functional requirements
- Confirm and finalize requirements

Module 5: Performing a gap analysis

- Introduction to gap analysis
- Determine feasibility of requirements
- Refine requirements with proof of concept
- Categorize and prioritize needs
- Evaluate Dynamics 365 and Power Platform applications

Module 6: Project governance

- Introduction to governance
- Principles of project governance
- Role of the architect in governance
- Techniques to keep a project on track
- Team collaboration

Module 7: Power Platform architecture

- Architecture overview
- Environment management
- Data location
- Data usage
- Custom logic
- Platform limitations
- High availability and disaster recovery

Module 8: Power Apps architecture

- Application types and models
- Application composition
- Component management
- Canvas app optimization
- Power Apps and Microsoft Teams
- Portal applications

Module 9: Exploring Power Automate

- Overview and triggers
- Common actions
- Error management
- Best practices

- Business process flows

Module 10: Exploring Microsoft Copilot Studio

- Agent creation options
- Agent-related concepts
- Best practices
- Integrating agents into a solution
- Using Copilot Studio with Teams

Module 11: Robotic process automation

- Introduction to Power Automate Desktop
- Record and edit tasks
- Run desktop flows
- Discover Process Advisor

Module 12: Data modeling for Power Platform

- Common Data Model
- Data modeling best practices
- Choosing appropriate storage
- Data modeling for Dataverse
- Modeling exercise
- Complete data model example

Module 13: Security in Power Platform

- Overview of security options
- Environment security
- Data loss prevention
- Access to data with Dataverse
- Application security
- Security modeling exercise

Module 14: Evaluating analytics and AI

- Power Platform reporting features
- Introduction to Power BI
- Data requirements
- Dataflows
- Artificial intelligence

Module 15: Power Platform integrations

- Integration challenges
- Inbound data integration
- Outbound data integration

Module 16: Planning ALM

- Key ALM considerations
- Solutions and configuration

- Reference data
- Deployment process
- ALM with Azure DevOps

Module 17: Testing and go-live

- Test planning
- Preparing for go-live
- Data migration

Module 18: Challenge project

- Project preparation
- Building a client solution with Power Platform
- Final assessment

Lab / Exercises

- This course provides you with exclusive access to the official Microsoft lab, enabling you to practice your skills in a professional environment.

Documentation

- Access to Microsoft Learn, Microsoft's online learning platform, offering interactive resources and educational content to deepen your knowledge and develop your technical skills.

Exam

- This course prepares you to the exam PL-600: Microsoft d'Architecte Solution Power Platform Expert
- If you wish to take this exam, please select it when you add the course to your basket

Participant profiles

- Senior Power Platform functional consultant
- Technical consultant or senior developer
- Aspiring application architect
- Project manager or Dynamics 365 product owner

Prerequisites

- Good knowledge of Dynamics 365 and Power Platform
- Experience as a functional or technical consultant on these solutions
- Basic understanding of Azure, Power BI, and API integrations

Objectives

- Analyze needs and formalize requirements
- Design a functional and technical architecture
- Model data with Dataverse
- Secure environments and applications
- Integrate systems and data flows
- Automate processes with Power Automate
- Govern the project and ALM with Azure DevOps
- Industrialize testing and deployment

Description

Microsoft Power Platform Solution Architect (PL-600)
Niveau
Avancé
Classroom Registration Price (CHF)
2500
Virtual Classroom Registration Price (CHF)
2350
Duration (in Days)
3
Reference
PL-600T00