



MICROSOFT TRAINING

Microsoft Dynamics 365 Power Platform Solution Architect

*Design and architect powerful business solutions using Microsoft Dynamics 365 Power Platform.
Become an expert Solution Architect.*

DURATION

24 Hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

Computer Pride | 1st Floor, ICEA Building, Kenyatta Avenue, Nairobi | www.computer-pride.co.ke

COURSE OVERVIEW

The Microsoft Dynamics 365 Power Platform Solution Architect course is meticulously designed for IT professionals aiming to master the art of designing and implementing comprehensive business solutions using Microsoft's powerful suite of tools. This advanced training equips you with the strategic vision and technical expertise to architect robust, scalable, and secure solutions leveraging Power Apps, Power Automate, Power BI, Power Virtual Agents, Dataverse, and integrating seamlessly with Dynamics 365 applications like Sales, Service, and Marketing. You will learn to translate complex business requirements into technical solutions, considering aspects like data strategy, security models, integration patterns, and deployment methodologies.

This certification goes beyond individual component knowledge, focusing on the holistic design of enterprise-grade solutions. Participants will delve into advanced topics such as environment strategy, ALM best practices, performance optimization, and compliance within the Microsoft cloud ecosystem, including relevant Azure services. Graduates will be prepared to lead solution design efforts, ensuring alignment with organizational goals and delivering maximum business value through innovative application of Microsoft technologies, thereby driving digital transformation initiatives within their organizations.

Duration	24 Hours
Level	Intermediate
Vendor	Microsoft

COURSE CURRICULUM

01 Module 1: Solution Architecture Fundamentals & Power Platform Overview

- Role and Responsibilities of a Solution Architect
- Deep Dive into Power Platform Components (Apps, Automate, BI, Virtual Agents)
- Understanding Dataverse Architecture and Capabilities
- Dynamics 365 Application Integration Points and Use Cases
- Translating Business Requirements into Technical Specifications
- Architectural Design Principles (Scalability, Security, Performance, Maintainability)

02 Module 2: Data Strategy, Modeling, and Integration Design

- Designing Optimal Data Models for Dataverse and Dynamics 365
- Data Migration Strategies and Tools (Data Management Gateway, SSIS, Azure Data Factory)
- Integration Patterns with External Systems (APIs, Webhooks, Azure Integration Services)
- Handling Complex Data Structures and Relationships
- Data Governance, Compliance, and Data Loss Prevention (DLP) Policies

03 Module 3: Security, Governance, and Environment Management

- Advanced Power Platform and Dynamics 365 Security Models (Role-Based Security, Field Security, Business Units)
- Designing for Microsoft Entra ID (Azure AD) Integration and Conditional Access
- Developing an Effective Environment Strategy (Dev, Test, Prod, Sandbox)
- Application Lifecycle Management (ALM) Best Practices with Azure DevOps and Pipelines
- Auditing, Monitoring, and Logging Strategies for Solutions

04 Module 4: Designing Complex Business Process & User Experience

- Architecting Advanced Power Apps (Canvas vs. Model-driven, Component Libraries)
- Designing Complex Power Automate Flows and Business Process Flows

- User Experience (UX) Design Principles for Enterprise Applications
- Extensibility Options (PCFs, Custom Connectors, Azure Functions, Plugins)
- Handling Offline Capabilities and Mobile Scenarios

05 Module 5: Performance, Optimization, and Disaster Recovery

- Performance Tuning for Power Platform and Dynamics 365 Solutions
- Scalability Considerations and Strategies
- Monitoring Tools and Analytics for Solution Health (Monitor, App Insights)
- Designing for High Availability and Disaster Recovery
- Load Testing and User Acceptance Testing (UAT) Strategies

06 Module 6: Project Implementation, Estimation, and Stakeholder Management

- Solution Implementation Methodologies (Agile, Scrum, Waterfall)
- Estimation and Sizing for Power Platform Projects
- Risk Assessment and Mitigation Strategies
- Communicating Architectural Decisions to Technical and Non-Technical Stakeholders
- Documentation Standards for Solution Architecture

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Senior Power Platform Solution Architect**
- > **Dynamics 365 Enterprise Architect**
- > **Digital Transformation Lead (Microsoft Ecosystem)**

FREQUENTLY ASKED QUESTIONS

Q: What foundational knowledge or experience is recommended before embarking on this Solution Architect course?

This course is designed for IT professionals with existing hands-on experience in developing and deploying solutions using Power Apps, Power Automate, and Dataverse, typically with 2-3 years of practical experience. A solid understanding of core Dynamics 365 customer engagement applications and Azure fundamentals is also highly beneficial, as the architect role requires integrating these components effectively.

Q: How does this course prepare me to tackle real-world challenges in large-scale Power Platform implementations?

This course focuses heavily on architectural design patterns, enterprise-level considerations, and strategic decision-making. You will learn to evaluate complex business requirements, design scalable data models, implement robust security frameworks, manage application lifecycles across multiple environments, and integrate disparate systems. This equips you to solve common challenges related to performance, governance, data integrity, and compliance in large-scale, multi-departmental deployments.

Q: What is the key distinction between a Power Platform/Dynamics 365 Developer or Functional Consultant and a Solution Architect after completing this program?

While a Developer or Functional Consultant focuses on building and configuring specific parts of a solution, a Solution Architect operates at a higher, strategic level. This course trains you to design the entire end-to-end solution, overseeing the architectural vision, making critical design decisions regarding data, security, integrations, and deployment strategy, and ensuring the solution aligns with the broader enterprise architecture and business objectives, rather than just implementing individual components.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

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Take the next step in your technology career.

Location

1st Flr, ICEA Building
Kenyatta Ave, Nairobi

Email

info@computer-pride.co.ke

Phone

+254 705 900 900

www.computer-pride.co.ke