



Agentic AI Business Solutions Architect

Course Duration: 3 Days
Exam Reference: AB-100

Course Overview

This course is designed to transition accomplished solution architects into AI-first leaders capable of designing and delivering agentic-first business solutions. With a focus on the full Microsoft AI ecosystem (Azure AI, Dynamics 365, Power Platform, and Copilot Studio), you will learn to envision, define, and secure architecture strategies that transform business processes. The course emphasizes scalability, security, responsible AI practices, and achieving measurable ROI for complex, multi-agent orchestrated solutions.

Prerequisites

This certification targets accomplished architects and requires extensive prior knowledge such as:

- Architectural Experience (designing integrated, secure, and scalable enterprise solutions).
- Microsoft Platform Knowledge (Dynamics 365, Power Platform, Azure AI/OpenAI).
- AI/LLM Proficiency (Generative AI concepts, prompt engineering).
- Security & Governance (data residency, responsible AI principles).

Course Objectives

- Design Agentic Architecture: Envision and define robust architecture strategies for integrating AI and orchestrated multi-agent solutions into core business processes.
- Ensure Security & Compliance: Design secure AI models and data workflows, including defending against prompt manipulation, enforcing data residency, and advocating for Responsible AI practices.



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- Integrate Microsoft AI Stack: Leverage comprehensive knowledge of Dynamics 365, Power Platform, Copilot Studio, and Azure AI services to architect integrated, cross-platform solutions.
- Manage AI Lifecycle (ALM): Create cohesive Application Lifecycle Management (ALM) and environment strategies for agentic-first solutions, from prototyping to end-to-end implementation.
- Drive Business Transformation: Conduct ROI analysis and lead the adoption of AI technologies to optimize operations and deliver measurable outcomes aligned with enterprise success metrics.

Course Outline

Module 1: Plan AI-Powered Business Solutions

- Analyze Requirements & Data
- Design Overall AI Strategy & Architecture
- Model Decision & Prompt Strategy
- Evaluate Costs and Benefits (ROI)

Module 2: Design AI-Powered Business Solutions

- Design Core AI and Agent Flows
- Design Extensibility and Orchestration
- Orchestrate Configuration Across Applications

Module 3: Deploy AI-Powered Business Solutions

- Manage Testing and Validation
- Design Application Lifecycle Management (ALM)
- Analyze, Monitor, and Tune Solutions
- Design Responsible AI, Security, and Governance