

Architecting agentic AI business solutions

Courses Code: AB-100T00

Duration: 3 Days

Delivery Mode: Instructor-led Training (ILT) | Virtual Instructor led Training (VILT)

Overview

Architecting agentic AI business solutions is an advanced course for architects, senior consultants, and technical leaders responsible for planning, designing, and governing AI-powered enterprise solutions built on Microsoft platforms. This course serves as a foundational, real-world, and architectural preparation step that builds the design judgment, strategic reasoning, and end-to-end understanding learners need before pursuing the AB-100 exam or implementing agentic AI solutions at scale. Learners will explore how to architect AI-powered business solutions that use agents, copilots, and generative AI to automate tasks, improve decision-making, and enhance employee and customer experiences. Emphasis is placed on architecture, trade-offs, governance, cost/benefit analysis, and lifecycle management, rather than step-by-step configuration.

Skills Covered

Learners will explore how to architect AI-powered business solutions that use **agents, copilots, and generative AI** to automate tasks, improve decision-making, and enhance employee and customer experiences. The course focuses on **architecture, trade-offs, governance, cost/benefit analysis, and lifecycle management**, rather than step-by-step configuration.

Who Should Attend

This course is intended for experienced technology professionals who are responsible for planning, designing, and guiding AI-powered business solutions using Microsoft platforms. This course assumes familiarity with Microsoft business applications, cloud concepts, and solution architecture fundamentals. It is best suited for learners who want to deepen their architectural judgment, design decision-making, and enterprise readiness for agentic AI solutions—rather than those seeking step-by-step configuration guidance or exam preparation. **Important Note:** While this course aligns conceptually with many of the AB-100 exam skill areas, it is not a test-preparation course and does not focus on test-taking strategies. Instead, it provides the architectural foundations, enterprise context, and design reasoning that make AB-100 learning meaningful and applicable. For many learners, this course serves as a recommended preparatory step before beginning focused AB-100 exam study. The ideal audience includes:

- Solution Architects and Enterprise Architects designing intelligent and agent-based business solutions



- Senior Functional and Technical Consultants working with Dynamics 365, Microsoft 365, Power Platform, or Azure AI services
- AI and Digital Transformation Leads defining AI strategy, governance, and adoption across the organization
- Application Architects and Technical Leads integrating agents, copilots, and generative AI into enterprise workloads
- Experienced practitioners preparing to advance toward formal AI solution validation, seeking architectural depth rather than exam-focused instruction

Prerequisites

- Basic understanding of AI concepts
- Familiarity with business process analysis
- Knowledge of Microsoft tools and platforms

Course Modules

Module 1: Introduction to agentic AI business solutions

Learn to align AI solutions with business goals and scale AI adoption using Microsoft technologies.

Module 2: Analyze requirements for AI-powered business solutions

Learn to analyze, design, and implement AI-powered business solutions using agents, generative AI, and Microsoft Copilot for productivity.

Module 3: Design overall AI strategy for business solutions

Learn to design an enterprise AI strategy using Azure's Cloud Adoption Framework, aligning AI agent lifecycle with business goals for operational excellence.

Module 4: Evaluate costs and benefits of AI solutions

Learn to assess costs, benefits, and ROI of AI solutions while deciding whether to build, buy, or extend AI components for business processes.

Module 5: Design AI agents for business solutions

Learn to design AI agents tailored to business needs using Dynamics 365 and Copilot.

Module 6: Design extensibility of AI solutions

Learn to design scalable, secure, and customizable AI solutions using Microsoft platforms.

Module 7: Orchestrate configuration of prebuilt agents and apps

Learn to orchestrate, configure, and extend AI-driven experiences in Dynamics 365 and Microsoft 365 Copilot.



Module 8: Monitor, analyze, and tune AI agents

Learn to ensure AI agents operate reliably, deliver high-quality outcomes, and continuously improve in enterprise environments.

Module 9: Manage testing AI-powered business solutions

Learn to validate and maintain AI-powered business solutions with structured testing frameworks, metrics, and governance.

Module 10: Design ALM process for AI-powered business solutions

Learn to design ALM processes for AI solutions, ensuring governance, security, and consistency across environments.

Module 11: Design responsible AI security, governance, risk management, and compliance

Learn to design secure, governed, and compliant AI systems that align with organizational policies and Responsible AI principles.

Ref: <https://trainocate.com/courses/microsoft/ab-100t00-architecting-agentic-ai-business-solutions-training>

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