

AB-100T00: Architecting agentic AI business solutions

Overview

As a candidate for this certification, you're an accomplished solution architect with expertise in designing and delivering AI-driven business solutions that transform business processes and foster innovation. You're experienced in creating scalable, secure, and integrated solutions that use multiple Microsoft services to address complex organizational challenges.

Your competencies include:

- Expertise in architecting solutions that use AI, including generative AI and various Foundry Tools tailored to meet business objectives.
- The ability to design agentic-first solutions.
- Skills in designing multi-agent orchestrated solutions.
- Experience designing secure and scalable cross-platform AI solutions.
- Comprehensive knowledge of core Dynamics 365 products, Microsoft Power Platform, Microsoft Copilot Studio, Microsoft Foundry Tools, and Foundry Models.
- Proficiency in working with agents created by using Copilot Studio, AI prompts, Microsoft Foundry, and working knowledge of multiple language models to create intelligent solutions.
- Proficiency in adopting frameworks and delivering measurable outcomes aligned with enterprise success metrics and architecture patterns.
- Expertise in working with open standards and protocols, including Agent2Agent (A2A) and Model Context Protocol (MCP).
- Expertise in responsible AI practices, helping to ensure compliance and advocating for the Microsoft responsible AI guidelines.
- Strong leadership in orchestrating AI features in Microsoft business applications to optimize operations and unlock growth opportunities.
- Skills in securing AI models and data workflows, including detecting and resolving vulnerabilities, enforcing data residency and access controls, safeguarding model tuning, tracking changes, maintaining audit trails, and defending against prompt manipulation.
- Experience in monitoring agent performance and interpreting telemetry data to help ensure reliability, optimize behavior, and drive continuous improvement.
- Ability to conduct a return-on-investment (ROI) analysis of an AI-powered solution.

Your key responsibilities include:

- Envisioning and defining architecture strategies to integrate AI and agents into business solutions.
- Defining the roadmap for agentic-first business processes.
- Analyzing and interpreting business and technical requirements to architect comprehensive solutions.
- Designing and prototyping AI components and showcasing transformative capabilities.
- Guiding the end-to-end implementation of AI-centric solutions, helping to ensure security, scalability, and alignment with organizational goals.
- Promoting and championing the adoption of AI technologies in the development lifecycle and across business units.
- Creating a cohesive application lifecycle management (ALM) strategy for agentic-first solutions.
- Creating a cohesive environment strategy for AI-powered solutions, with consideration for third-party AI solutions.
- Guiding organizations on their way to becoming AI-forward companies.
- As an AI-first solution architect, you lead the transformation of enterprise operations by envisioning and implementing AI-powered architecture. With a focus on making the most of the full spectrum of Microsoft AI apps and services, along with business application tools, you drive innovation and help to ensure the delivery of impactful AI-powered solutions.

Content:

Module 1: Introduction to Agentic AI Business Solution Architecture

Module 2: Analyze requirements for AI-powered business solutions

Module 3: Design overall AI strategy for business solutions

Module 4: Evaluate the costs and benefits of an AI-powered business solution

Module 5: Design AI and agents for business solutions

Module 6: Design extensibility of AI solutions

Module 7: Orchestrate configuration for prebuilt agents and apps

Module 8: Analyze, monitor, and tune AI-powered business solutions

Module 9: Manage the testing of AI-powered business solutions

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

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