

Architecting agentic AI business solutions (AB-100T00)

Duration: 3 days

Audience: Professionnel TI

Who is this training for?

This course is intended for 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; and experienced practitioners preparing to advance toward formal AI solution validation and seeking architectural depth rather than exam focused instruction.

Training objectives

By the end of this course, learners will be able to:

- Analyze business requirements and identify suitable agentic AI use cases that align with organizational goals and measurable business outcomes.
- Design end to end AI powered business solutions using agents, copilots, and generative AI across Microsoft platforms such as Copilot Studio, Power Platform, Dynamics 365, and Azure AI.
- Architect multi agent and orchestrated AI solutions that integrate data, applications, and services securely and at enterprise scale.
- Evaluate architectural trade offs, costs, and ROI when selecting AI technologies and deployment approaches for business solutions.
- Apply governance, security, and responsible AI principles to ensure AI solutions are compliant, ethical, and production ready.
- Plan deployment, monitoring, and lifecycle management for agentic AI solutions, including testing, ALM, and continuous optimization

Summary

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.

Course outline

Learning Path — Architect AI Solutions for Business Productivity

- Module 1 — Introduction to agentic AI business solutions
- Module 2 — Analyze requirements for AI powered business solutions
- Module 3 — Design overall AI strategy for business solutions
- Module 4 — Evaluate costs and benefits of AI solutions
- Module 5 — Design AI agents for business solutions
- Module 6 — Design extensibility of AI solutions
- Module 7 — Orchestrate configuration of prebuilt agents and apps
- Module 8 — Monitor, analyze, and tune AI agents
- Module 9 — Manage testing AI powered business solutions
- Module 10 — Design ALM process for AI powered business solutions
- Module 11 — Design responsible AI security, governance, risk management, and compliance

Approach and methodology

A practical and structured approach combining focused architectural theory and guided design workshops. Participants progressively explore how to plan and architect agentic AI business solutions

through real world scenarios that reflect enterprise challenges, enabling immediate application of concepts.

They learn to analyze requirements, design AI strategies, evaluate trade offs, and architect multi agent solutions using Microsoft platforms such as Copilot Studio, Power Platform, Dynamics 365, and Azure AI .

Led by an experienced instructor, the training emphasizes interactivity, strategic reasoning, and the development of directly transferable skills for designing secure, governed, and production ready AI solutions at enterprise scale

Prerequisites

Students should have the following knowledge and experience before attending this course:

- Experience architecting or designing AI powered business solutions across Microsoft business applications and AI services
- Familiarity with agents, copilots, and generative AI concepts used in enterprise workloads
- Understanding of Microsoft platforms such as Copilot Studio, Power Platform, Dynamics 365, and Azure AI services
- Ability to analyze business requirements and evaluate AI use cases aligned with organizational goals
- Knowledge of architectural trade offs, cost/benefit analysis, and ROI considerations for AI solutions
- Familiarity with governance, security, and responsible AI principles for enterprise scale solutions
- Experience integrating data, applications, and services securely in multi agent or orchestrated AI solutions

Recommendations

Optional Prerequisites (not required, but helpful for success in the course)

- An active Microsoft Associate level certification with experience architecting AI powered business solutions across Microsoft business applications and AI services.

- General understanding of agents, copilots, and generative AI solutions
- Familiarity with Microsoft platforms: Copilot Studio, Power Platform, Dynamics 365, and Azure AI
- Experience analysing business requirements and identifying agentic AI use cases
- Understanding of governance, security, and responsible AI principles
- Knowledge of multi agent and orchestrated AI solution architecture
- Awareness of lifecycle management and ALM practices for AI solutions

Certifications

[Microsoft Certified: Agentic AI Business Solutions Architect](#)

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