

AI Ready: How to make workloads well architected

This course describes the organizational process for building AI workloads in Azure. It explains the various design areas, the GenAIOps process, and describes how to make the workloads well architected.

Duration: 2 days (4 hrs/day)

Level: Intermediate

Hands on Labs: Yes

Course Prerequisites: Basic understanding of Azure Workloads

Target Audience: N/A

Suggested Supplementary Certification: AZ-305

Suggested Applied Skills Assessment: None

ESI Course Code: N/A

Last refreshed: Jul 2025

LMS Availability: Yes

Day 1 - Understand AI Ready and establish GenAIOps

Module 1: Microsoft Cloud Adoption Framework for Azure and Azure Landing Zone

- Introduction to AI workloads on Azure
- Understand the Microsoft Cloud Adoption Framework for Azure
- Introduction to Azure Landing Zone
- AI adoption - How to adopt AI
- AI Strategy - Process to develop AI Strategy
- AI Plan - Process to plan for AI adoption
- AI Ready - Process to build AI workloads in Azure
- AI on Azure Platforms (PaaS)
- AI on Azure Infrastructure (IaaS)
- Manage, Govern and Secure AI
- Landing Zone for Azure OpenAI

Module 2: Establish GenAIOps

- Introduction to GenAIOps
- Overview of Design areas for AI workloads on Azure
- GenAIOps for AI workloads on Azure
- Introduction to test and evaluate AI workloads on Azure
- Workload team personas for AI workloads

Interactive Simulated Lab

- Deploy the Platform Landing Zone
- Set up a GenAIOps process

Day 2 - Implement Azure Well Architected Framework

Module 3: Azure Well Architected Framework

- AI Repeatable Patterns
- Azure Well-Architected Framework
- Design methodology for AI workloads on Azure
- Design principles for AI workloads on Azure
- Design areas for AI workloads on Azure
- Test and evaluate AI workloads on Azure
- Responsible AI in Azure workloads
- Well-Architected Framework AI workload assessment

Interactive Session

- WAF interactive challenge experience

Hands on Labs

- Azure AI Foundry end-to-end baseline reference implementation

Interactive Simulated Lab

- Deploy Azure OpenAI end-to-end chat reference architecture