

# Cloud Application Development on Azure with Java

Applied Technology Academy

Learn how to build and deploy cloud-hosted applications on Azure. The course focuses on application delivery, service integration, and runtime behavior. AI-assisted debugging, deployment support, and architecture review are included where appropriate.

| LEVEL        | DURATION | COURSE CODE | DELIVERY       |
|--------------|----------|-------------|----------------|
| Intermediate | 3–5 days | MA-72-2     | Instructor-led |

## Course Overview

- Azure application development and deployment patterns.
- Application delivery, service integration, and runtime behavior.

## Course Outline

- **Unit 1: Foundations:**
  - core concepts and terminology
- **Unit 2: Application:**
  - guided practice and labs
- **Unit 3: Handoff:**
  - troubleshooting, review, and next steps

## Prerequisites

Participants should have:

- working familiarity with the target language, framework, or platform
- experience deploying or running applications is helpful
- basic troubleshooting skills
- access to the required tools or accounts before class

## Who Should Attend

- Developers moving into Azure-hosted application delivery.
- Teams that need cloud-native patterns.
- Learners preparing to connect app work with deployment and service integration.

## What You'll Learn

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

- design and build Azure-hosted application components
- integrate services, configuration, and deployment patterns
- reason about runtime behavior in cloud environments
- apply AI-assisted debugging and support workflows
- translate cloud patterns into team-specific implementation choices

## What the Course Covers

In Scope:

- Azure application development patterns
- deployment and runtime behavior
- service integration and configuration
- AI-assisted cloud troubleshooting

Not Covered:

- Azure administration or infrastructure operations
- platform operations training
- network or identity admin deep dives unless customized

## Hands-On Work

Representative Labs:

- deploy a small Azure-hosted app
- wire up a cloud service dependency
- debug a runtime issue
- compare deployment options

Practice and Discussion:

- Guided practice with checkpoints
- Scenario discussion using realistic examples
- Review of trade-offs and next steps

## Environment and Tools

- Azure subscription or lab tenant
- Editor and deployment tooling
- Sample app project

- Identity and service access for labs

## Customization Options

- role-based track variations
- industry or domain-specific examples
- mixed-experience pacing adjustments
- accelerated or extended delivery formats

## Next Steps

- cloud security or DevOps follow-on
- API development path
- Azure architecture extension
- team-specific modernization workshop

**Ready to enroll?** Call 800.674.3550 or email Info@AppliedTechAc.com — private team cohorts, GSA MAS purchasing, military credentialing funding, VA GI Bill and VR&E and student financing available.