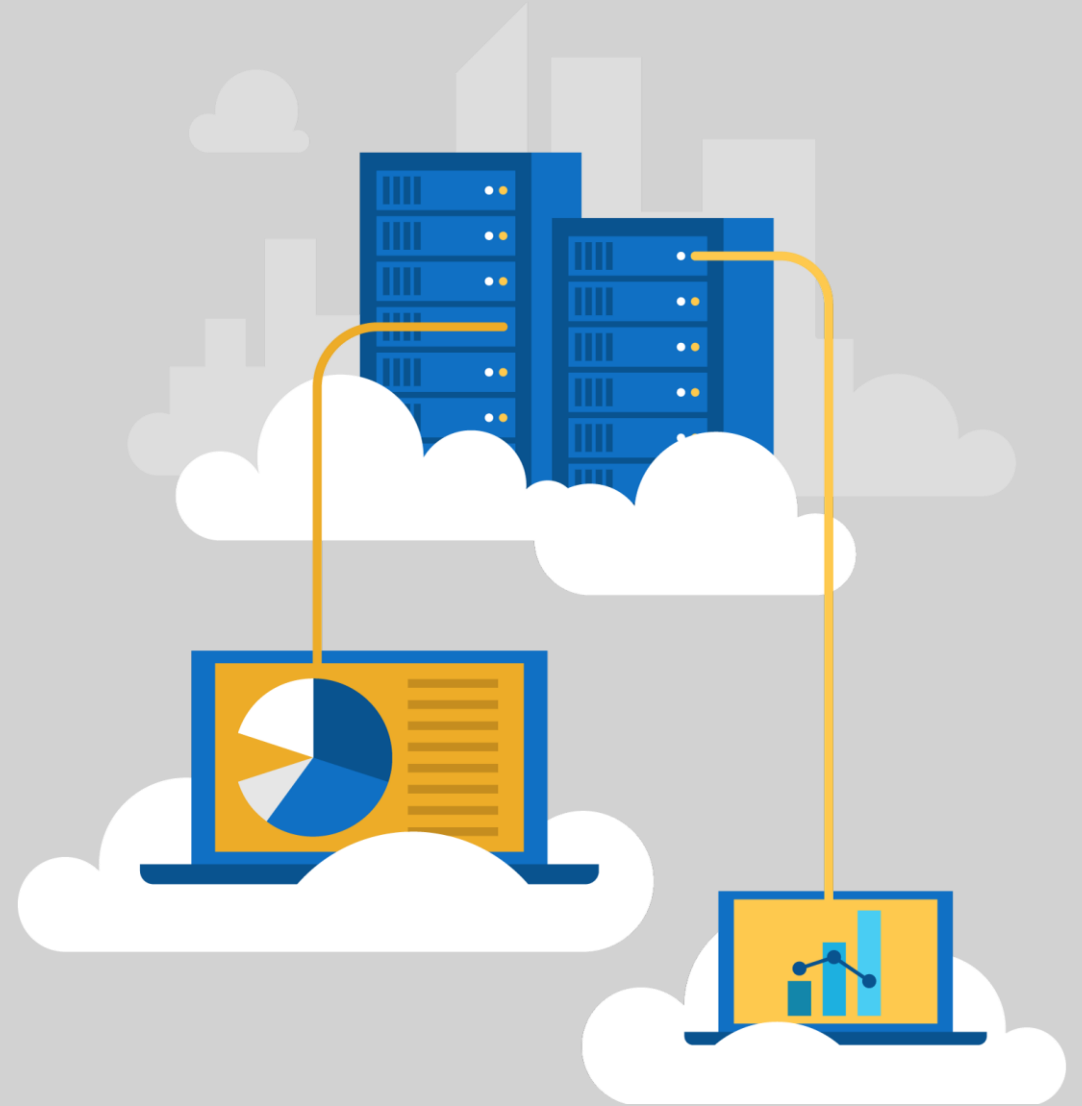


# AZ-204T00-A: Developing Solutions for Microsoft Azure

Piotr Palka



# Welcome

**Thank you for joining us today.**

We've worked together with the Microsoft Partner Network and Microsoft IT Academies to bring you a world-class learning experience.

**Microsoft Certified Trainers + Instructors.** Your instructor is a premier technical and instructional expert who meets ongoing certification requirements.

**Customer Satisfaction Guarantee.** Our partners offer a satisfaction guarantee and we hold them accountable for it.

At the end of class, please complete an evaluation of today's experience. We value your feedback!

**Certification Exam Benefits.** After training, consider pursuing a Microsoft Certification to help distinguish your technical expertise and experience. Ask your instructor about available exam promotions and discounts.

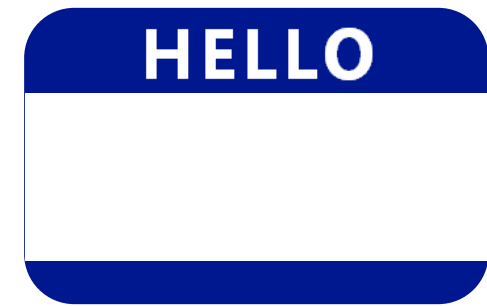
We wish you a great learning experience and ongoing career success!

# Hello! Instructor Introduction

Instructor: Piotr Palka

Microsoft Certified Trainer

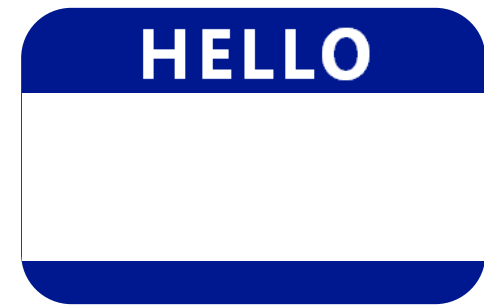
St. Martin University



# Hello! Student Introductions

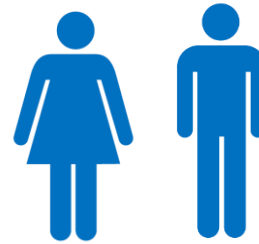
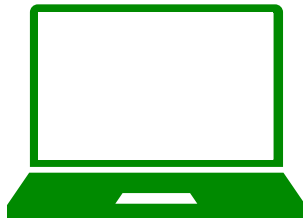
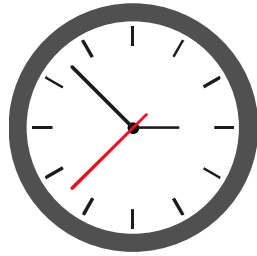
Let's get acquainted:

- Your name
- Company affiliation
- Title/function
- Microsoft Azure experience
- Your expectations for the course



# Facilities

- Class hours
- Building hours
- Parking
- Restrooms
- Meals
- Phones
- Messages
- Smoking
- Internet access
- Recycling
- Emergency procedures



# Cloud Developer Role

Microsoft Azure Developers design, build, test, and maintain cloud solutions, such as applications and services, partnering with cloud solution architects, cloud DBAs, cloud administrators, and clients to implement these solutions.

# About this Course: Prerequisites

This course assumes you have already acquired the following skills and experience:

- At least one year of experience developing scalable solutions through all phases of software development.
- Be skilled in at least one cloud-supported programming language. Much of the course focuses on C#, .NET Framework, HTML, and using REST in applications.
- Have a base understanding of Azure and cloud concepts, services, and the Azure Portal. If you need to ramp up you can start with the [Azure Fundamentals](<https://docs.microsoft.com/en-us/learn/paths/azure-fundamentals/>) course which is freely available.
- Are familiar with PowerShell and/or Azure CLI.

# About this Course: Course Outline

- Module 01: Creating Azure App Service Web Apps
- Module 02: Implement Azure Functions
- Module 03: Develop solutions that use blob storage
- Module 04: Develop solutions that use Cosmos DB storage
- Module 05: Implement IaaS solutions
- Module 06: Implement user authentication and authorization
- Module 07: Implement secure cloud solutions



# About this Course: Course Outline (continued)

- Module 08: Implement API Management
- Module 09: Develop App Service Logic Apps
- Module 10: Develop event-based solutions
- Module 11: Develop message-based solutions
- Module 12: Instrument solutions to support monitoring and logging
- Module 13: Integrate caching and content delivery within solutions

# Certification Areas (AZ-204)

Study Areas	Weights
Develop Azure compute solutions	25-30%
Develop for Azure storage	10-15%
Implement Azure security	15-20%
Monitor, troubleshoot, and optimize Azure solutions	10-15%
Connect to and consume Azure and third-party services	25-30%

- Percentages indicate the relative weight of each area on the exam
- The higher the percentage, the more questions you are likely to see in that area

# Microsoft Certifications (Optional)

Certifications give you a professional edge by providing globally recognized industry endorsed evidence of skills mastery, demonstrating your abilities and willingness to embrace new technologies.

## **Exam AZ-900:** **Microsoft Azure** **Fundamentals**



Designed for candidates looking to demonstrate foundational level knowledge of cloud services and how those services are provided.



## **Microsoft Certified:** **Azure Developer** **Associate**



Designed for Azure Developers who design, build, test, and maintain cloud solutions, such as applications and services.



## **Microsoft Certified:** **Azure Solutions** **Architect Expert**



Designed for Azure Solutions Architects who create solutions for compute, network, storage, and security.

# Microsoft Learning Azure Pass (Optional)

- You will use the Microsoft Learning Azure Pass to provide access to Microsoft Azure for demonstrations and labs
- Microsoft Learning Azure Pass access and configuration
- Best Practices for Microsoft Learning Azure Pass Usage:
  - Check the dollar balance of your Azure Pass within Microsoft Azure once you have set up your subscription, and be aware of how much you are consuming as you proceed through the labs
  - Do not allow Microsoft Azure components to run overnight or for extended periods unless you need to do so
  - Remove any Microsoft Azure–created components or services such as storage, virtual machines, or cloud services, after you finish your lab to help minimize cost usage and extend the life of your Microsoft Learning Azure Pass

