

Szkolenie: Microsoft
AZ-220T00 Microsoft Azure IoT Developer

FORMA SZKOLENIA	MATERIAŁY SZKOLENIOWE	CENA	CZAS TRWANIA
Stacjonarne	Cyfrowe	3200 PLN NETTO*	4 dni
Stacjonarne	Tablet CTAB	3600 PLN NETTO*	4 dni
Metoda dlearning	Cyfrowe	3200 PLN NETTO*	4 dni
Metoda dlearning	Tablet CTAB	3600 PLN NETTO*	4 dni

* (+VAT zgodnie z obowiązującą stawką w dniu wystawienia faktury)

LOKALIZACJE

Kraków - ul. Tatarska 5, II piętro, godz. 9:00 - 16:00

Warszawa - ul. Bielska 17, godz. 9:00 - 16:00

DOSTĘPNE TERMINY

2020-08-10 | 4 dni | TRYB ZDALNY

2020-11-16 | 4 dni | Kraków

2020-12-14 | 4 dni | Warszawa

Cel szkolenia:

This course provides students with the skills and knowledge required to successfully create and maintain the cloud and edge portions of an Azure IoT solution. The course includes full coverage of the core Azure IoT services such as IoT Hub, Device Provisioning Services, Azure Stream Analytics, Time Series Insights, and more. In addition to the focus on Azure PaaS services, the course includes sections on IoT Edge, device management, monitoring and troubleshooting, security concerns, and Azure IoT Central.

After completing this course, students will be able to:

- Create, configure, and manage an Azure IoT hub.
- Provision devices by using IoT Hub and DPS, including provisioning at scale.
- Establish secure 2-way communication between devices and IoT Hub.
- Implement message processing by using IoT Hub routing and Azure Stream Analytics.
- Configure the connection to Time Series Insights and support business integration requirements.
- Implement IoT Edge scenarios using marketplace modules and various edge gateway patterns.
- Implement IoT Edge scenarios that require developing and deploying custom modules and

containers.

- Implement device management using device twins and direct methods.
- Implement solution monitoring, logging, and diagnostics testing.
- Recognize and address security concerns and implement Azure Security Center for IoT.
- Build an IoT Solution by using Azure IoT Central and recognize SaaS opportunities for IoT.

Plan szkolenia:

- Introduction to IoT and Azure IoT Services
 - Business Opportunities for IoT
 - Introduction to IoT Solution Architecture
 - IoT Hardware and Cloud Services
 - Lab Scenarios for this Course
- Devices and Device Communication
 - IoT Hub and Devices
 - IoT Developer Tools
 - Device Configuration and Communication
- Device Provisioning at Scale
 - Device Provisioning Service Terms and Concepts
 - Configure and Manage the Device Provisioning Service
 - Device Provisioning Tasks
- Message Processing and Analytics
 - Messages and Message Processing
 - Data Storage Options
 - Azure Stream Analytics
 - Business Integration for IoT Solutions
 - Data Visualization with Time Series Insights
 - Data Visualization with Power BI
- Azure IoT Edge Deployment Process
 - Introduction to Azure IoT Edge
 - Edge Deployment Process
 - Edge Gateway Devices
- Azure IoT Edge Modules and Containers
 - Develop Custom Edge Modules
 - Offline and Local Storage
- Device Management

- Introduction to IoT Device Management
- Manage IoT and IoT Edge Devices
- Device Management at Scale
- Solution Testing, Diagnostics, and Logging
 - Monitoring and Logging
 - Troubleshooting
 - Security Fundamentals for IoT Solutions
 - Introduction to Azure Security Center for IoT
 - Enhance Protection with Azure Security Center for IoT Agents
- Build an IoT Solution with IoT Central
 - Introduction to IoT Central
 - Create and Manage Device Templates
 - Manage Devices in Azure IoT Central

Wymagania:

Software Development Experience: Software development experience is a prerequisite for this course, but no specific software language is required, and the experience does not need to be at a professional level.

Data Processing Experience: General understanding of data storage and data processing is a recommended but not required.

Cloud Solution Awareness: Students should have a basic understanding of PaaS, SaaS, and IaaS implementations. Microsoft Azure Fundamentals (AZ-900), or equivalent skills, is recommended.

Poziom trudności



Certyfikaty:

Certyfikat ukończenia **autoryzowanego kursu Microsoft.**

Prowadzący:

Microsoft Certified Trainer.