

Microsoft Azure: Application, Monitoring and Diagnostics for IT Professionals

WorkshopPLUS

Duration: 3 days

Focus Area: Operations and Monitoring

Difficulty: Level 300

The three-day WorkshopPLUS course provides attendees with deep knowledge on how to monitor applications hosted on Microsoft Azure from an IT Professional's perspective.

Most cloud based Application development follows modern DevOps principles. This workshop enables IT Professionals to be a valuable partner for the Development teams by helping them developing the right Monitoring solution for their cloud based Applications.

Participants will learn core DevOps principles and related tools. They get a broad overview over the Microsoft Azure Monitoring stack and deep knowledge into Microsoft Application Performance Monitoring solution Application Insights.

Participants will benefit from a wide range of hands-on lab experiences to help consolidate the concepts learned as well as broaden their knowledge skillset around Microsoft Azure and Microsoft modern Application monitoring technologies.

◆ OUTCOMES ◆

01

SKILLS

- Understand the base / most important DevOps concepts and terms
- Understand the challenges of Application Monitoring in the cloud
- Comprehensive knowledge of Application Insights to support Dev colleagues in a DevOps project

02

BEST PRACTICES

Understand how to develop a comprehensive Monitoring solution on Microsoft Azure for any kind of Application hosted in the Cloud or in hybrid scenarios.

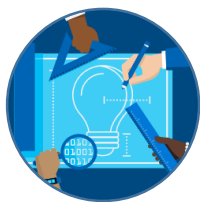
03

WAY FORWARD

Recommendations and guidance on how to apply the knowledge acquired to resolve real problems at the workplace

◆ CAPABILITIES ◆

Hands-on, interactive learning with expert instructors in a classroom environment.



OUR EXPERTISE

Learn from industry experts that help enterprise customers solve their most challenging problems.



HANDS ON

Practice the concepts you learned in the classroom by engaging in hours of hands-on lab exercises.



IN-DEPTH LEARNING

Deep technical training that equips you to overcome challenging problems in the real world.

Duration: 3 days

This WorkshopPLUS runs for 3 full days. Students should anticipate consistent start and end times for each day, to be agreed with the Trainer when starting the delivery. Early departure on any day is not recommended unless otherwise agreed.

The course uses both Demonstrations and Hands-On Labs to help students better understand the material and reinforce the topics learnt.

Module 1: Application Monitoring Foundation for IT PRO

This module provides an introduction to core DevOps principles and their related tools. It also covers key concepts and practices on how to manage and deploy resources on Microsoft Azure.

Module 2: Introduction to Azure Monitoring toolset

This module explains the key challenges of Application Monitoring in the cloud and introduces the complete Microsoft Azure Monitoring toolset as an overview. It provides a deeper overview of the core capabilities of Microsoft Azure Monitor and Microsoft Azure Log analytics as the foundation for a deep and broad Application

Monitoring solution. This module will enable you to understand the complete Microsoft Azure Monitoring stack.

Module 3: Application Insights - Capabilities and Configuration

Microsoft Application Insights is the key tool for comprehensive Application Performance Monitoring (APM). This module delivers deep insights into the core capabilities of Microsoft Application Insights and its central configuration tasks.

Module 4: Application Insights - Advanced Concepts & Visualization

The last module focuses on advanced concepts of Application Monitoring like integration into Azure DevOps, creating automated Application tests, creating and managing custom telemetry data and visualizing the collected data.

◆ STATS ◆

1000+
COURSES
COMPLETED

95%
CUSTOMER
SATISFACTION



◆ ADDITIONAL
DETAILS ◆

Target Audience

This WorkshopPLUS is an advanced course on Application monitoring and diagnostics under Microsoft Azure. It is mainly targeted at IT Professionals, IT Administrators, Solution Architects as well as Line-Of-Business Application Managers looking to understand how Microsoft Monitoring technologies would help with regards to operating and monitoring their Cloud Application services. Attendees are recommended to have had exposure and some experience with Microsoft Monitoring technologies. Previous exposure to Microsoft Azure and Visual Studio is also recommended.

Hardware Requirements:

Lab environments for this course are generally hosted in the cloud. Labs delivered on computers within the classroom must meet or exceed the following: • Windows 8.1 or higher •

19" monitor (dual monitor configuration recommended)

Additional Requirements:

Fast and reliable internet connectivity to the Microsoft Azure Cloud platform.

Microsoft Azure Subscription (*)

(*) Promotional Codes could possibly be provided if requested with 1 month notice time. Attendees should use their own Azure Subscriptions whenever possible however in case there's a need it should be communicated to their Microsoft Premier Account Team as early as possible so that the assigned Trainer is able to obtain them on time.

NEXT STEPS: If you are interested in this workshop for your organization, contact your Microsoft Account Representative.