

Deploy and configure Azure Monitor



Purpose of the training

Training intended for IT specialists who manage Azure infrastructure on a daily basis and need an introduction to issues related to implementing and configuring monitoring of this infrastructure. The course is also intended for IT professionals responsible for managing a hybrid environment in terms of operational monitoring, providing a more detailed look and some practical tips on some of the tools and services in Azure Monitor. The course is also suitable for professionals working in a variety of IT roles, including infrastructure, security and networking.



Benefits of completing the training

Acquiring knowledge and skills in monitoring Azure infrastructure resources, including:

- Create and configure a Log Analytics workspace.
- Configure monitoring for applications.
- Configure monitoring for virtual machines.
- Configure monitoring for virtual networks.
- Configure alerts and responses



Expected Listener Preparation

- Experience using the Azure portal to create resources.
- Basic knowledge of the functionality of Azure Monitor and Log Analytics workspaces.
- Experience managing virtual machines and web applications.
- Basic knowledge of networking concepts like virtual networks and subnetting.



Training Language

- **Training:** English
- **Materials:** English



Training Includes

- manual in electronic form available on the platform:
- <https://learn.microsoft.com/pl-pl/training/>
- access to Altkom Akademia's student portal



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Training agenda

1. Create and configure a Log Analytics workspace.
 - Create a Log Analytics workspace.
 - Configure access to Log Analytics workspaces.
 - Configure Log Analytics data retention.
 - Configure Log Analytics health status alerts.
2. Configure monitoring for applications.
 - Understand Application Insights.
 - Application Insights sampling.
 - Diagnostic settings and resource logs.
 - Azure SQL Insights.
3. Configure monitoring for virtual machines.
 - Deploy Azure Monitor Agent to IaaS Virtual Machines.
 - Monitor Performance with VM insights.
 - Configure data collection rules for IaaS VM logs.
4. Configure monitoring for virtual networks.

- Topology.
 - Connection Monitor.
 - IP flow verify and NSG diagnostics.
 - Packet capture.
5. Configure alerts and responses.
- Azure Monitor alerts.
 - Action groups.
 - Alert rules.
 - Alert processing rules.
 - Azure Monitor change analysis.
6. Guided Project – Deploy and configure Azure Monitor.
- Exercise – Prepare your Azure environment.
 - Exercise – Deploy Log Analytics.
 - Exercise – Monitor web apps.
 - Exercise – Configure monitoring for compute services.
 - Exercise – Configure alerts.