WorkshopPLUS - Azure: Modern Monitoring and Management

Transform your log data into insights and action

Azure Monitor, which now includes Log Analytics and Application Insights, provides sophisticated tools for collecting and analyzing telemetry that allow you to maximize the performance and availability of your cloud and on-premises resources and applications.

The course provides a technical drill-down into log analytics, data sources, search query language, Security and compliance, authoring for Log Analytics, including integration scenarios between Log Analytics features and services in the local datacenter.

Outcomes

After completing this course, you will understand how to maximize the availability and performance of your applications by delivering a comprehensive solution for collecting, analysing, and acting on telemetry from your cloud and on-premises environments with Azure Monitor.

Each group of modules is organized by scenario, and is designed to provide participants with the expertise, tools, and hands-on experience to better design and implement the Microsoft Log Analytics and Monitoring Solutions.

Collecting Data

Learn about how to collect your data

Analyzing Data

Learn about Log Search syntax

Visualize Data

Learn how to visualize the data in Power BI

Capabilities

This offering will help you Understand the architecture of Microsoft Azure Monitor.

Report and visualize the data stored in various data sources and make use of the datacenter BI to develop it.

01 Data Sources

How to collect data including custom logs, custom fields and using the Data Collector API for extensibility
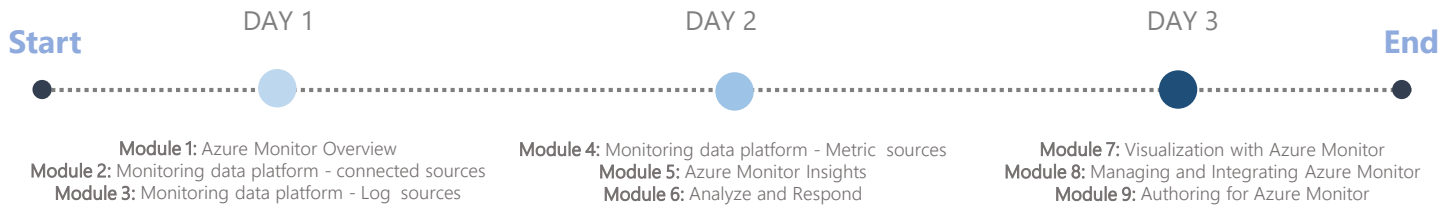
02 Log Search Syntax

Log Searches to extract data

03 Azure Solutions

Security and Compliance Solutions, and Automation

Microsoft

Duration: 3 days

Start   DAY 1   DAY 2   DAY 3   **End**

Module 1: Azure Monitor Overview
Module 2: Monitoring data platform - connected sources
Module 3: Monitoring data platform - Log sources

Module 4: Monitoring data platform - Metric sources
Module 5: Azure Monitor Insights
Module 6: Analyze and Respond

Module 7: Visualization with Azure Monitor
Module 8: Managing and Integrating Azure Monitor
Module 9: Authoring for Azure Monitor

Lab Requirements

Participants will require a computer with the following configuration:
- **Operating system:** Windows 7 SP1 or later
- **Processor:** Intel Core-i5
- **Memory:** 4 GB
- **Disk:** 128 GB
- **Peripherals:** USB port
- **Network:** 10 MBPS or faster network adapter
- **Application Software:** Office 2013 Professional Plus and a PDF reader
- **Microsoft Account:** Participants also need a Microsoft account to connect to the virtual environment.
- **Internet Connection:** The classroom must be networked with access to the Internet with at least Internet bandwidth of 10 MBPS. TCP port 443 must be open. We highly recommend a wired network in the classroom

Additional Details

This course is targeted at the IT staff who have already started (or about to start) designing and implementing the Azure Monitorfor cloud and datacenter.

To ensure that Students are successful at the end of this WorkshopPLUS, it is highly recommended they meet the following criteria:

- Basic knowledge of the Microsoft Azure platform.
- Microsoft Azure Subscription (Azure Subscription Promotional Codes could be provided if necessary.)

Next steps: watch out this space for more education title on related areas.

Microsoft