



MICROSOFT TRAINING

AZ-1004: Deploy and Configure Azure Monitor

Deploy and configure Azure Monitor for peak performance and insights. Achieve AZ-1004 certification readiness.

DURATION

16 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

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- Globally Recognized Certification
 - Expert-Led Hands-On Training
 - Flexible Scheduling

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COURSE OVERVIEW

This intermediate-level course, "AZ-1004: Deploy and Configure Azure Monitor," is meticulously designed for IT professionals aiming to master the robust monitoring capabilities within Microsoft Azure. Participants will gain in-depth knowledge and hands-on experience in deploying, configuring, and managing Azure Monitor, the cornerstone service for maintaining the health, performance, and availability of Azure resources and applications. The curriculum delves into key technologies such as Log Analytics Workspaces, Application Insights, Azure Diagnostics, metric collection, and advanced alerting, equipping learners with the tools to proactively identify and resolve operational issues.

By completing this 16-hour program, you will develop critical skills to create comprehensive monitoring solutions, analyze performance metrics, interpret logs using Kusto Query Language (KQL), and set up intelligent alerts and automated actions. This course is crucial for anyone responsible for the operational stability and optimization of Azure environments, enabling them to enhance service reliability, troubleshoot complex issues efficiently, and control operational costs by optimizing resource utilization. You'll emerge with the expertise to transform raw data into actionable insights, ensuring your Azure infrastructure and applications perform at their peak.

Duration	16 hours
Level	Intermediate
Vendor	Microsoft
Exam Code	AZ-1004

COURSE CURRICULUM

01 Module 1: Introduction to Azure Monitor

- Overview of Azure Monitor architecture and capabilities
- Understanding Azure Monitoring components (Log Analytics, Application Insights, Dashboards)
- Key concepts: Metrics, Logs, Alerts, and Action Groups
- Planning a monitoring strategy for Azure resources

02 Module 2: Collecting and Storing Monitoring Data

- Configuring Log Analytics Workspaces
- Collecting activity logs, diagnostic logs, and resource metrics
- Implementing Azure Diagnostics for VMs and PaaS services
- Onboarding agents for virtual machines (Windows and Linux)

03 Module 3: Analyzing and Visualizing Data with Azure Monitor

- Using Kusto Query Language (KQL) for log analysis
- Creating custom dashboards for operational visibility
- Building interactive workbooks for data exploration and reporting
- Analyzing performance metrics and application logs

04 Module 4: Configuring Alerts and Action Groups

- Creating metric-based alerts and log-based alerts
- Defining and configuring Action Groups (email, SMS, webhooks, automation)
- Integrating alerts with IT service management (ITSM) tools
- Implementing auto-scaling based on monitoring data and alerts

05 Module 5: Monitoring Applications with Application Insights

- Integrating Application Insights with web applications and APIs
- Monitoring application performance, availability, and usage
- Analyzing distributed tracing and dependency maps
- Diagnosing performance bottlenecks and exceptions

06 Module 6: Troubleshooting and Optimization with Azure Monitor

- Leveraging Azure Monitor for root cause analysis of issues
- Using Change Analysis for problem diagnosis
- Optimizing Azure resource costs through monitoring insights
- Implementing proactive monitoring and predictive analytics

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Azure Cloud Operations Engineer**
- > **Site Reliability Engineer (SRE) - Azure Specialist**
- > **Azure Infrastructure and Monitoring Administrator**

FREQUENTLY ASKED QUESTIONS

Q: How will mastering AZ-1004: Deploy and Configure Azure Monitor specifically improve my ability to proactively identify and resolve performance issues in cloud applications?

This course directly equips you with the skills to establish comprehensive monitoring for your applications using Application Insights, collect detailed performance metrics, and analyze logs with KQL. You will learn to configure sophisticated alerts that notify you of impending issues before they impact users, and to utilize distributed tracing to pinpoint performance bottlenecks within complex application architectures, allowing for proactive intervention rather than reactive troubleshooting.

Q: What practical skills will I gain from this course that I can immediately apply to optimize my organization's Azure resource consumption and control costs?

Upon completion, you will be able to utilize Azure Monitor data to identify underutilized resources, analyze usage patterns, and detect anomalies that could indicate inefficient resource allocation. You'll learn to create custom dashboards and workbooks to visualize cost-related metrics, and to configure auto-scaling based on actual load, directly contributing to cost optimization by ensuring resources are only consumed when needed, rather than over-provisioned.

Q: Are there any specific foundational Azure skills or certifications recommended before enrolling in AZ-1004 to ensure maximum learning effectiveness?

While not strictly mandatory, having an intermediate understanding of general Azure administration concepts, equivalent to the AZ-104: Microsoft Azure Administrator certification, will significantly enhance your learning experience. Familiarity with Azure core services such as Virtual Machines, App Services, Storage Accounts, and Azure Networking, along with basic experience navigating the Azure portal and understanding Azure resource management, will allow you to grasp the monitoring concepts and their application more effectively.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

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