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Introduction to Azure Monitor

Master Azure Monitor for effective cloud resource management.

DEFINITION

> Azure Monitor is a comprehensive service that provides real-time monitoring and analytics for Azure resources. It helps users understand the performance and health of their applications and infrastructure.

KEY CONCEPTS

Metrics

Metrics are numerical values that represent the performance of resources over time, helping in real-time analysis.

Logs

Logs are records of events that provide detailed insights into operations and can be queried for troubleshooting.

Alerts

Alerts notify users of critical conditions based on metrics or logs, enabling proactive management.

Dashboards

Dashboards provide a visual representation of metrics and logs, allowing for quick assessment of resource health.

Application Insights

Application Insights is a feature of Azure Monitor that specifically focuses on monitoring application performance and user behavior.

EXAMPLES

→ Setting up alerts for CPU usage exceeding 80%.

→ Creating a dashboard to visualize web app performance metrics.

→ Using logs to troubleshoot a failed deployment.

MEMORY TIPS

★ Remember 'MALAD' for Metrics, Alerts, Logs, Application Insights, Dashboards.

★ Think of Azure Monitor as a 'health check' for your cloud resources.

★ Visualize a traffic light: green for healthy (metrics), yellow for warnings (alerts), red for issues (logs).

COMMON MISTAKES

✗ Neglecting to set up alerts for critical resources.

✗ Overlooking log retention policies, leading to data loss.

✗ Failing to regularly review dashboards for performance insights.

QUICK RECAP

Azure Monitor is essential for tracking the performance and health of Azure resources. It includes metrics, logs, alerts, and dashboards to provide comprehensive monitoring and insights.