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Introduction to Cloud Monitoring

Mastering Cloud Monitoring for Optimal Performance

DEFINITION

Cloud Monitoring is a service that helps track and manage the performance of applications and infrastructure in the cloud. It provides insights into system health, usage, and potential issues.

KEY CONCEPTS

Metrics

Metrics are quantitative measures that track performance, like CPU usage or response time.

Logs

Logs are records of events that occur in your applications, useful for troubleshooting.

Alerts

Alerts notify users about critical issues or performance thresholds being breached.

Dashboards

Dashboards visually display metrics and logs, allowing for quick assessment of system health.

Uptime Monitoring

Uptime monitoring checks if services are running and accessible, ensuring reliability.

EXAMPLES

→ Setting up alerts for high CPU usage on a virtual machine.

→ Using dashboards to visualize application performance metrics.

→ Reviewing logs to identify errors during application deployment.

MEMORY TIPS

★ Remember 'MALDU' for Metrics, Alerts, Logs, Dashboards, Uptime.

★ Think of monitoring as a 'health check' for your cloud services.

★ Visualize a dashboard as your cloud's 'control center' for performance.

COMMON MISTAKES

✗ Neglecting to set up alerts for critical metrics.

✗ Overlooking log management, leading to missed errors.

✗ Failing to regularly review dashboards for performance trends.

QUICK RECAP

Cloud Monitoring is essential for maintaining the health of cloud applications. It involves tracking metrics, managing logs, and setting alerts to ensure optimal performance and reliability.