AZ-204 Developing Solutions for Microsoft Azure, Part 8 of 9: Optimize and Monitor

Meet the expert: Maruti is a Microsoft Certified Corporate Trainer with over 19,000 hours of experience corporate training for companies such as: Deloitte, Morgan Stanley, LTI Infotech, Unisys, Shell, Accenture and many more. He focuses on practical implementation and hands-on practice as the best way to understand technical training.

Prerequisites: 1-2 years professional development experience and experience with Microsoft Azure. In addition, the role should have ability programming in a language supported by Azure and proficiency in Azure SDKs, Azure PowerShell, Azure CLI, data storage options, data connections, APIs, app authentication and authorization, compute and container deployment, debugging, performance tuning, and monitoring.

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Course description: Azure Developers partner with cloud solution architects, cloud DBAs, cloud administrators, and clients to implement solutions. This course covers: Monitoring in Azure, Instrumentation App, Analyze and Troubleshooting Apps, and handling Transient Faults.

Course outline:

Overview of Monitoring in Azure
- Introduction
- Azure Monitor
- Monitoring Data Platform
- Alerts
- Alerts Workflow
- Application Insights
- Insights Architecture
- Summary

Instrumentation App for Monitoring
- Introduction
- App Insights for Webpages
- App Insights Code
- App Insights Console Config
- App Insights Platforms
- Demo: Application Insights
- Summary

Analyzing and Troubleshooting Apps
- Introduction
- What Does Azure Monitor Collect
- Data Sources
- Azure Monitor Sources
- Application Insights Overview
- Monitored Metrics
- Application Map
- Components
- Application Map Code
- View Activity Logs
- Auditing in Azure PowerShell
- Monitor Reliability
- Summary

Code that Handles Transient Faults
- Introduction
- Transient Errors
- Handle Transient Errors
- Retrying After a Transient Error
- Detecting if an Error is Transient
- Summary