

Design and Develop a Serverless Event-Driven Microservice-Based Solution



Monitoring and Troubleshooting Serverless Applications

Strategies for Effective Serverless Monitoring







Why Does It Matter

Performance

Reliability

Scalability

User Experience







Key Metrics to Monitor

Invocation Metrics

Duration

Error Rates

Throttles

Cold Starts







Monitoring Tools

Azure Monitor

Google Cloud Monitoring

AWS CloudWatch

Third-Party







Logging

Structured Logging

Centralized Log Storage

Log Levels







Distributed Tracing

Purpose

Tools

Benefits







Alerting and Notifications

Threshold-Based Alerts **Anomaly Detection**

Notification Channels







Troubleshooting Common Issues

Cold Starts

Timeouts

Memory Leaks

Concurrency Limits







Best Practices

Instrument Code

Test Thoroughly

Regular Audits

Documentation







Conclusion







Scaling and Performance Optimization

Maximizing Efficiency in Serverless Solutions



