



ADDITIONAL TOPICS

**Building Serverless Solutions
with Azure and .NET**



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

**AWS
CloudWatch**

**Google Cloud
Monitoring**

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