

# Azure Monitoring, Troubleshooting, and Optimizing

This hands-on Azure training covers how to implement Application Insights into your ASP.NET web app with Visual Studio, how to integrate a single page application (SPA) to Application Insights, and how to implement Application Insights web tests and alerts. Optimizing and troubleshooting are among the most difficult things to learn because you need to know how every component works with every other component in the system. Luckily, Microsoft developed some tools to help you monitor, troubleshoot, and optimize your Azure applications.

[CBT Nuggets course material](#) →

## WEEK 1

### Explore Management and Monitoring Tools in Azure 127 min.

Introducing Azure Tools for Monitoring and Maintenance	1
Powershell	13
Az CLI	12
Azure Cloud Shell	8
ARM Templates	8
Azure Monitor, Alerts, and Logging	7
Azure Insights	6

### Keep Your Stuff Alive with Azure Monitor

Introducing Metrics and Logs	3
Differentiating Metrics and Logs	15
Explore Azure Monitor Capabilities	10
Interpret Metrics in Azure Monitor	10
Analyze Logs in Azure Monitor	19
Create Monitoring Alerts	10
Explore VM and Network Insights	8
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### Troubleshoot Solutions Using Application Insights

Introducing Azure Application Insights	3
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Deploy App Insights and Send Some Data	10

## WEEK 2

128 min.

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Send Your Own Custom Metrics	9

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CHALLENGE 2

### **Monitor and Secure Azure VDI**

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Understand Conditional Access 11

Create an MFA Conditional Access Policy 9

Understand Microsoft Defender for Cloud 15

CHALLENGE 4

### **Monitor and Secure Networks in Azure**

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Connection Monitor vs Connection Troubleshoot 10

IP Flow Verify vs NSG Diagnostics 4

Next Hop and Effective Security Rules 3

VPN Troubleshoot 2

Packet Capture 6

Flow Logs and Traffic Analytics 9

CHALLENGE 3