

About Me



eric.boyd@responsiveX.com
responsiveX







١...

speak at lots of conferences









write occasionally





try to be social on twitter

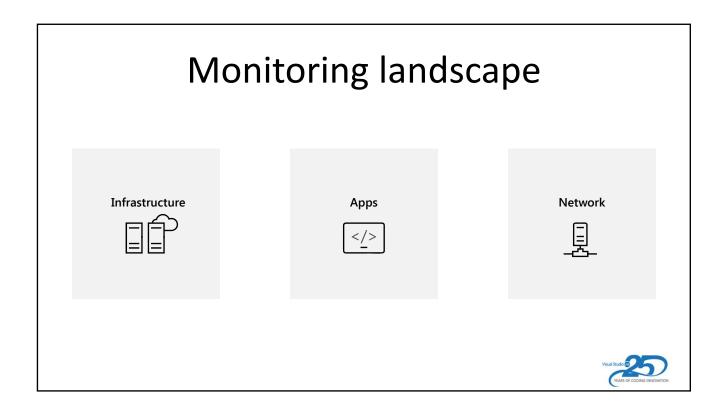
@EricDBoyd

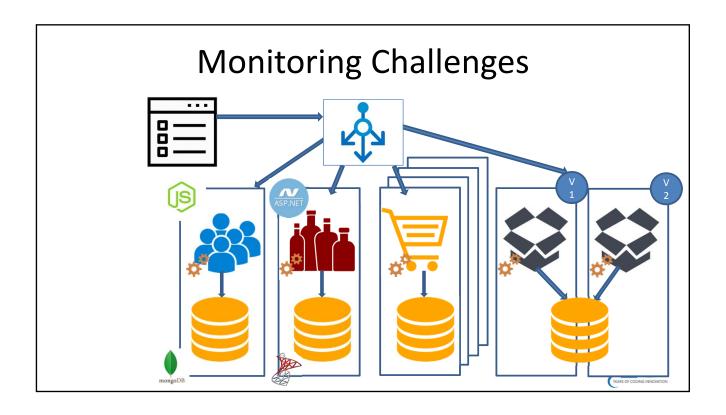


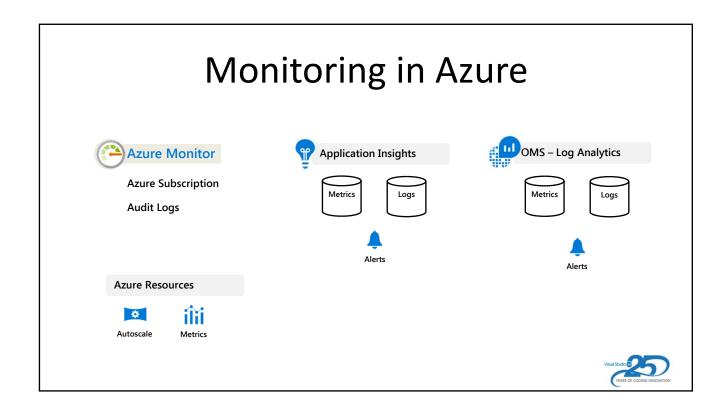
Agenda

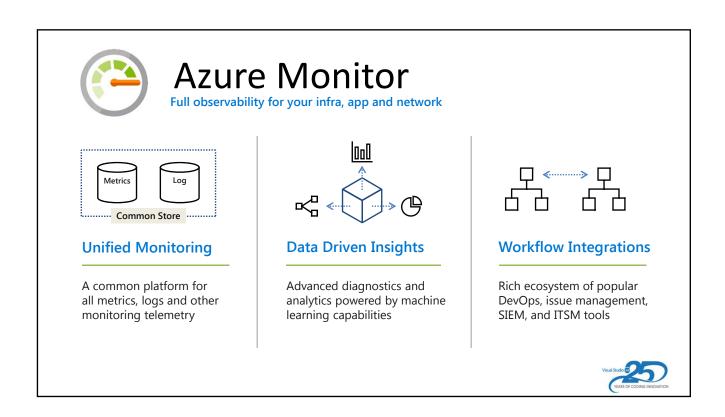
- → Monitoring Needs
- → The New Azure Monitor
- → Infrastructure and Apps
- → Questions



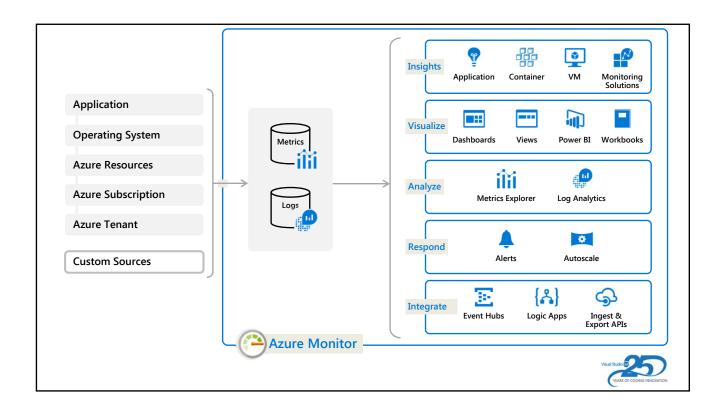


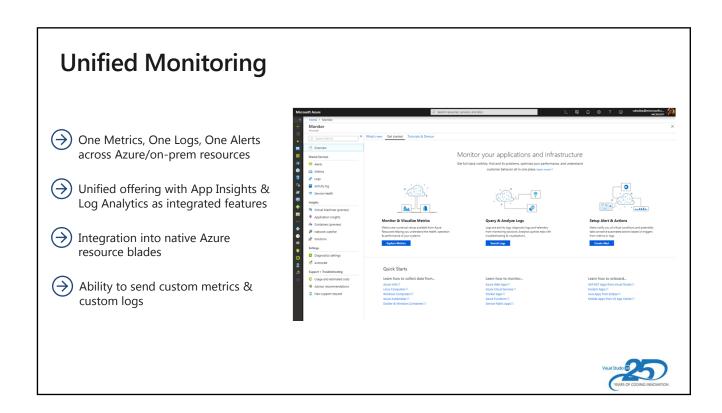


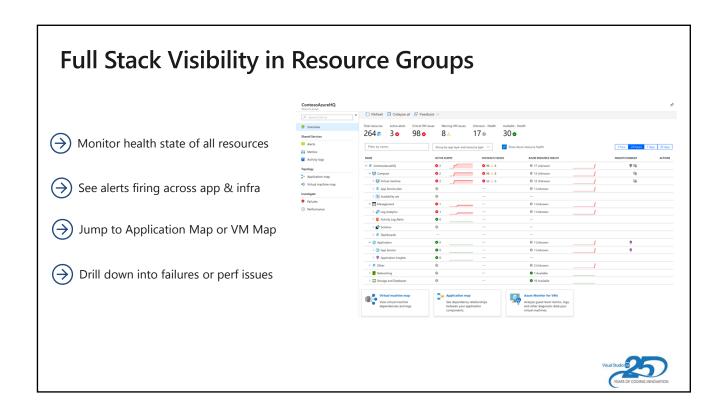


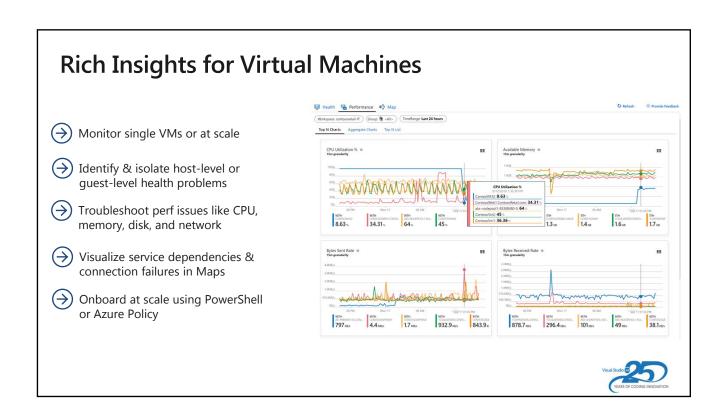


Visual Studio Live! San Diego 2018





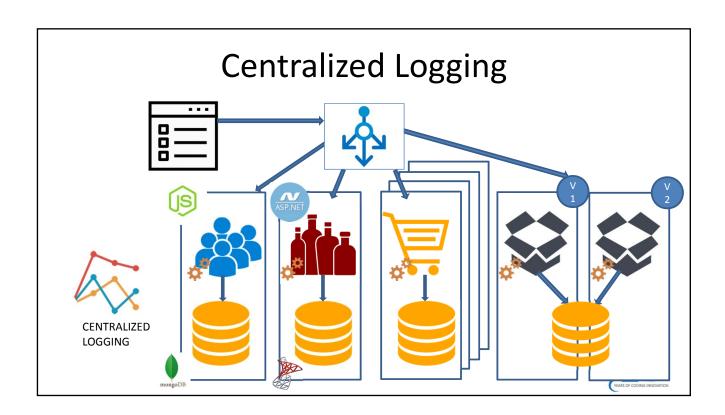




App Telemetry

- Errors
- Events
- Metrics
- Traces
- Dependencies





Distributed Tracing & Correlation

itemType	name	id	operation_ParentId	operation_ld
pageView	Stock page		STYz	STYz
dependency	GET /Home/Stock	qJSXU	STYz	STYz
request	GET Home/Stock	KqKwlrSt9PA=	qJSXU	STYz
dependency	GET /api/stock/value	bBrf2L7mm2g=	KqKwlrSt9PA=	STYz

https://github.com/lmolkova/correlation/blob/master/http_protocol_proposal_v2.md

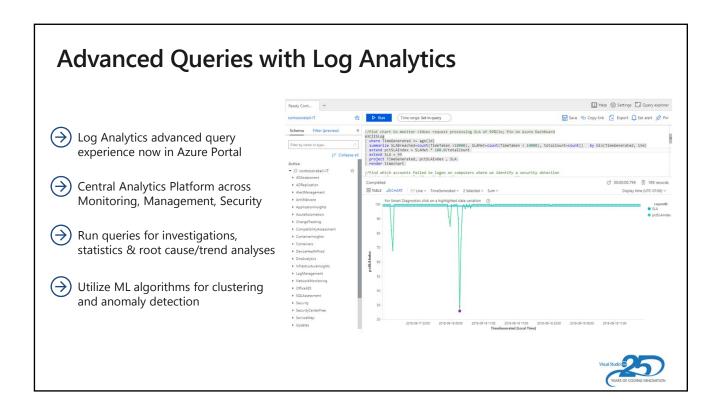


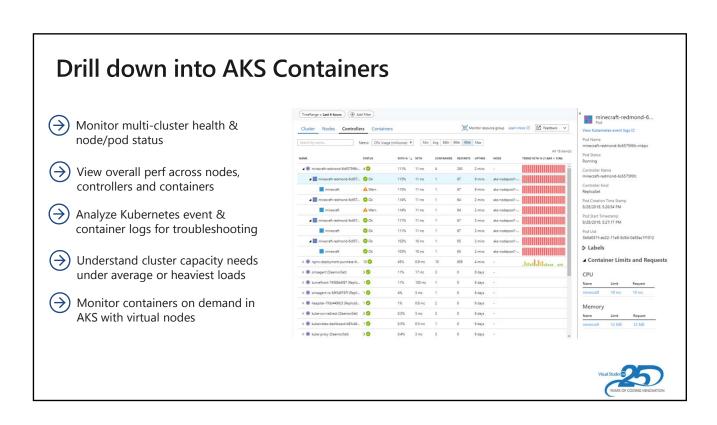
Diagnose E2E issues with Application Insights

- Monitor apps in .NET, JS, Java, Node.js or any language with OSS SDKs
- Visualize server/client connections & dependencies with App Map
- Track E2E distributed transactions (including for Python & Go)
- Drill down to code-level with Snapshot Debugging & Profiling
- Understand end-user cohorts, behavior & engagement for planning



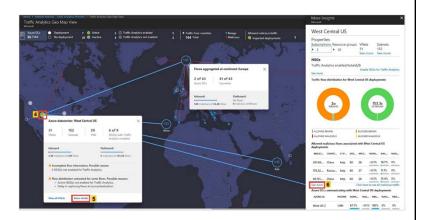






Monitor Network Health & Traffic

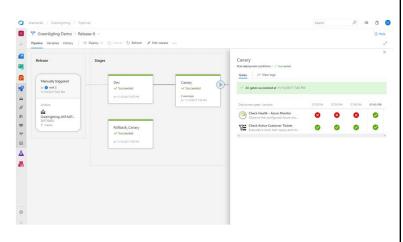
- Secure and audit your network with Network Watcher Traffic Analytics
- Discover and monitor ExpressRoute circuits, across subscriptions
- Monitor ExpressRoute connectivity to virtual networks and O365
- Monitor connectivity to LoB apps with Service Connectivity Monitor





Continuous Monitoring for DevOps & IT Ops

- Native IDE integrations in VS (.NET) and VS Code (Node.js)
- Onboard with Azure Pipelines Release Management & DevOps Projects
- Configure Pre- or Post-Deployment Quality Gates in Azure Pipelines
- Run Load Test or Multi-Step Web Test for Synthetic Perf Monitoring
- Work Item Management with Azure Boards for filing bugs and tracking
- Alerts & Notifications with automated actions & ITSM integrations





Integration with Monitoring & SIEM Tools

- Azure Monitor is best for Azure, and provides both APM & SIEM capabilities
- Open and extensible to continue using your favorite tools & solutions
- Integrate your existing APM/Monitoring solutions with Azure Monitor
- Route telemetry to your SIEM solutions for analytics & security management





IBM Security

Partner Solutions for Apps & Workloads

- ISVs / MSPs / SIs are extending and building solutions on top of Azure Monitor for specific scenarios & workloads
- Some solutions help monitor diverse technologies deployed on Azure
 - Apache, Citrix NetScaler, F5 SLB, SAP Hana, Oracle, etc.
- Others use their proprietary technologies to provide deeper scenario specific insights or diagnostics workflows







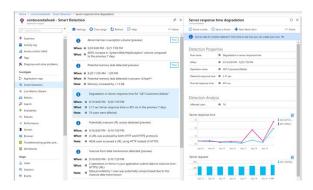






Azure Monitor & AlOps

- Proprietary AI based Smart Detection for discovering anomalies
- Smart Alert Management with Dynamic Thresholds for automatic baselining
- Partnering with NMLStream to integrate additional ML capabilities for more powerful AIOps
- Working with ML community internal/external to bring deeper intelligence for DevOps/SRE teams







Resources

Azure Monitor Documentation https://aka.ms/MonitoringDocs

Resources, Tutorials & What's New https://aka.ms/AzMonOverview

Query Language Course on Pluralsight https://aka.ms/KQLPluralsight



Q&A



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