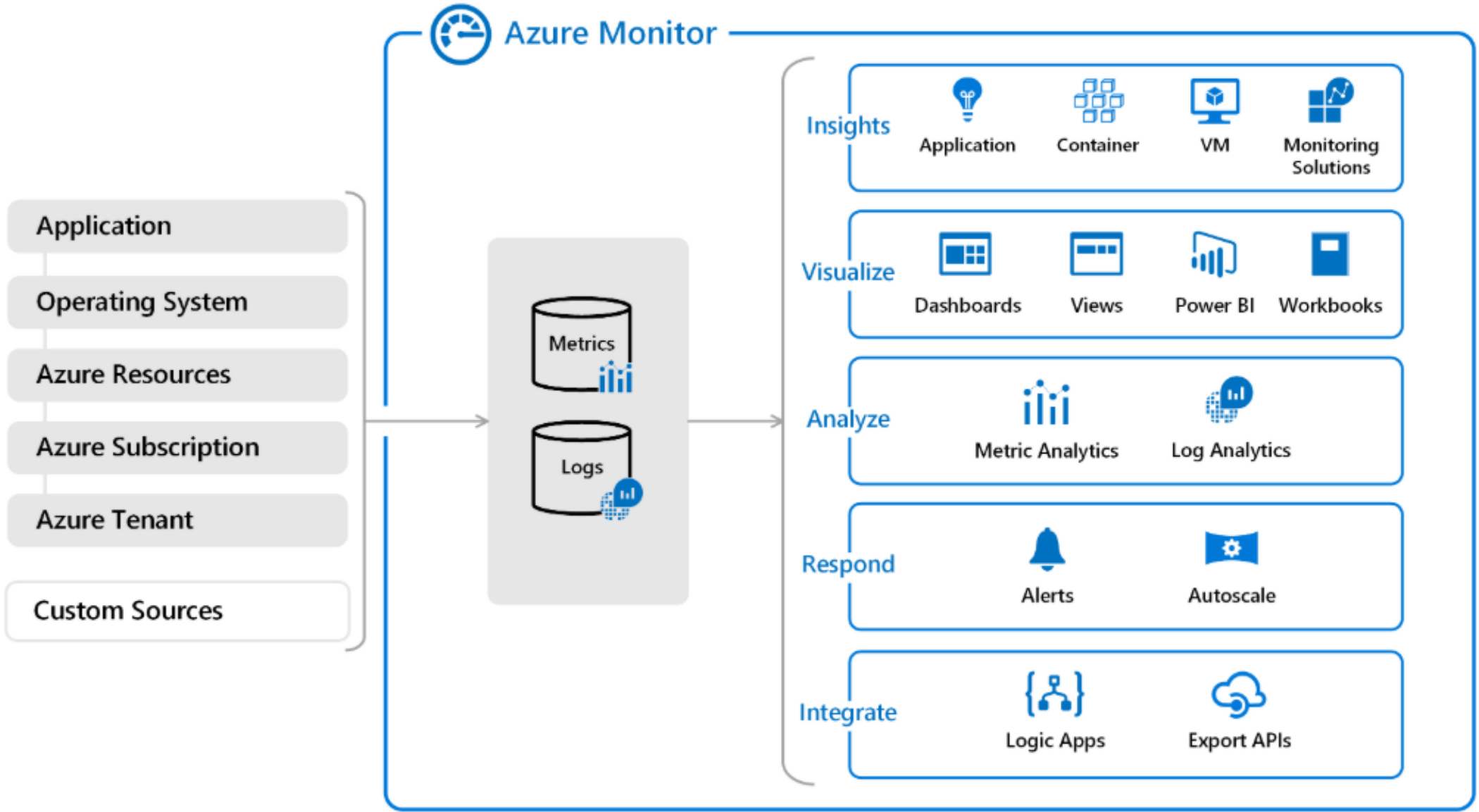# Azure Monitor

Overview

- Azure Monitor maximizes the availability and performance of your applications by delivering a comprehensive solution for collecting, analyzing, and acting on telemetry from your cloud and on-premises environments. It helps you understand how your applications are performing and proactively identifies issues affecting them and the resources they depend on.
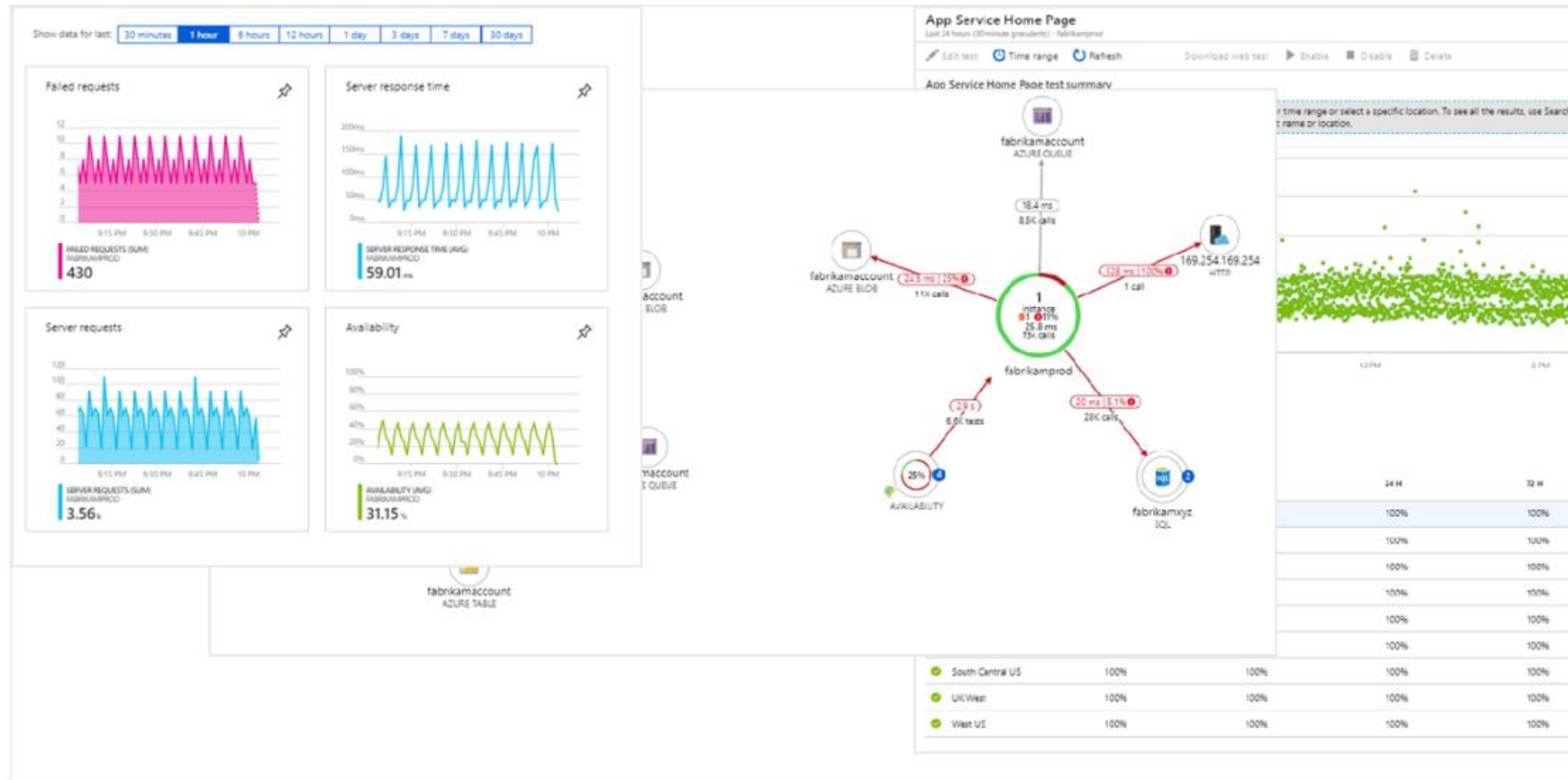
Azure Monitor

Sources (left column):
- Application
- Operating System
- Azure Resources
- Azure Subscription
- Azure Tenant
- Custom Sources

Data stores:
- Metrics
- Logs

Insights: Application, Container, VM, Monitoring Solutions

Visualize: Dashboards, Views, Power BI, Workbooks

Analyze: Metric Analytics, Log Analytics

Respond: Alerts, Autoscale

Integrate: Logic Apps, Export APIs

What data does Azure Monitor collect?

- **Application monitoring data**: Data about the performance and functionality of the code you have written, regardless of its platform.

- **Guest OS monitoring data**: Data about the operating system on which your application is running. This could be running in Azure, another cloud, or on-premises.

- **Azure resource monitoring data**: Data about the operation of an Azure resource.

- **Azure subscription monitoring data**: Data about the operation and management of an Azure subscription, as well as data about the health and operation of Azure itself.

- **Azure tenant monitoring data**: Data about the operation of tenant-level Azure services, such as Azure Active Directory.
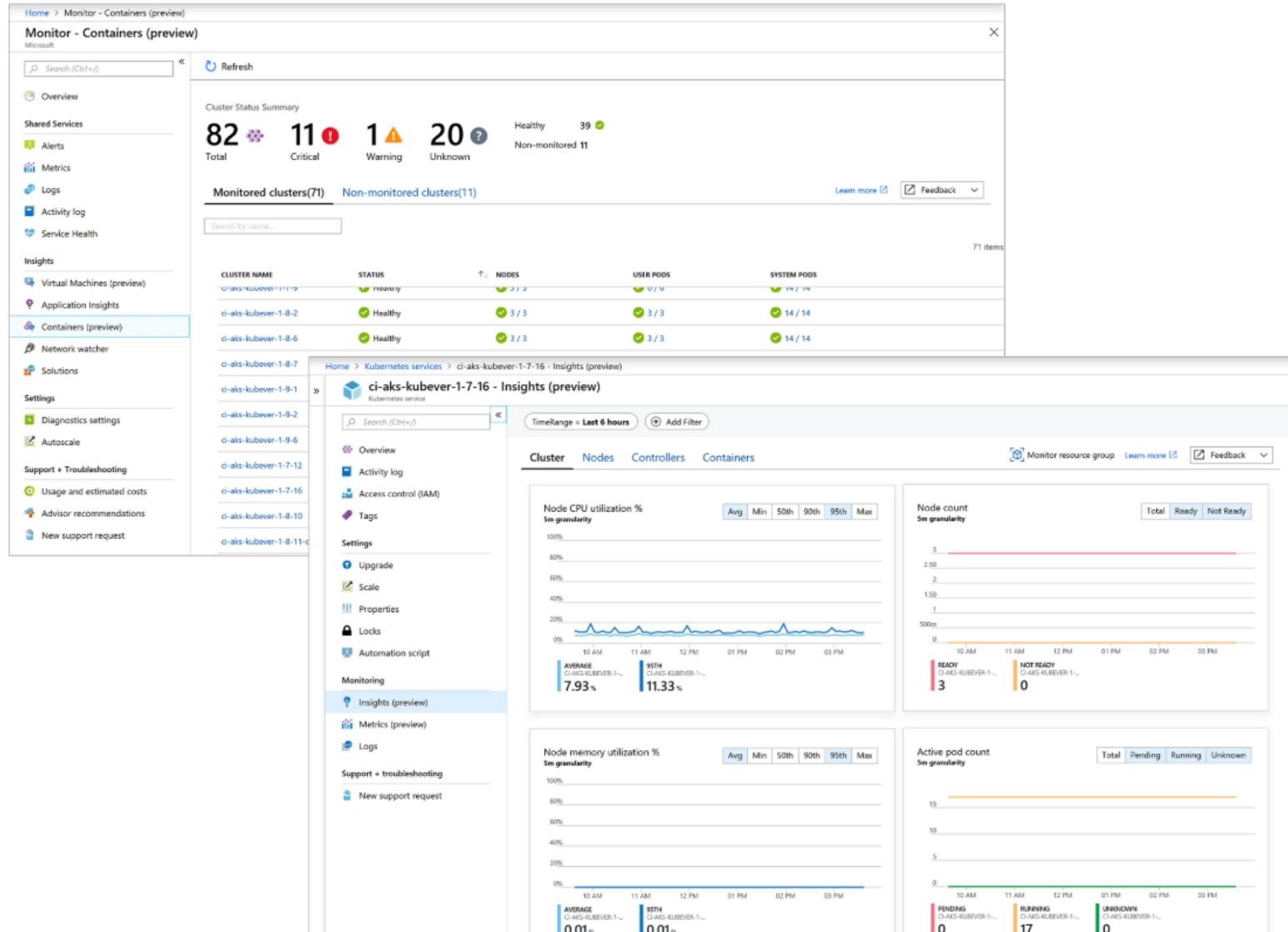
Application insights

Application Insights monitors the availability, performance, and usage of your web applications whether they're hosted in the cloud or on-premises. It leverages the powerful data analysis platform in Azure Monitor to provide you with deep insights into your application's operations and diagnose errors without waiting for a user to report them. Application Insights includes connection points to a variety of development tools and integrates with Visual Studio to support your DevOps processes.
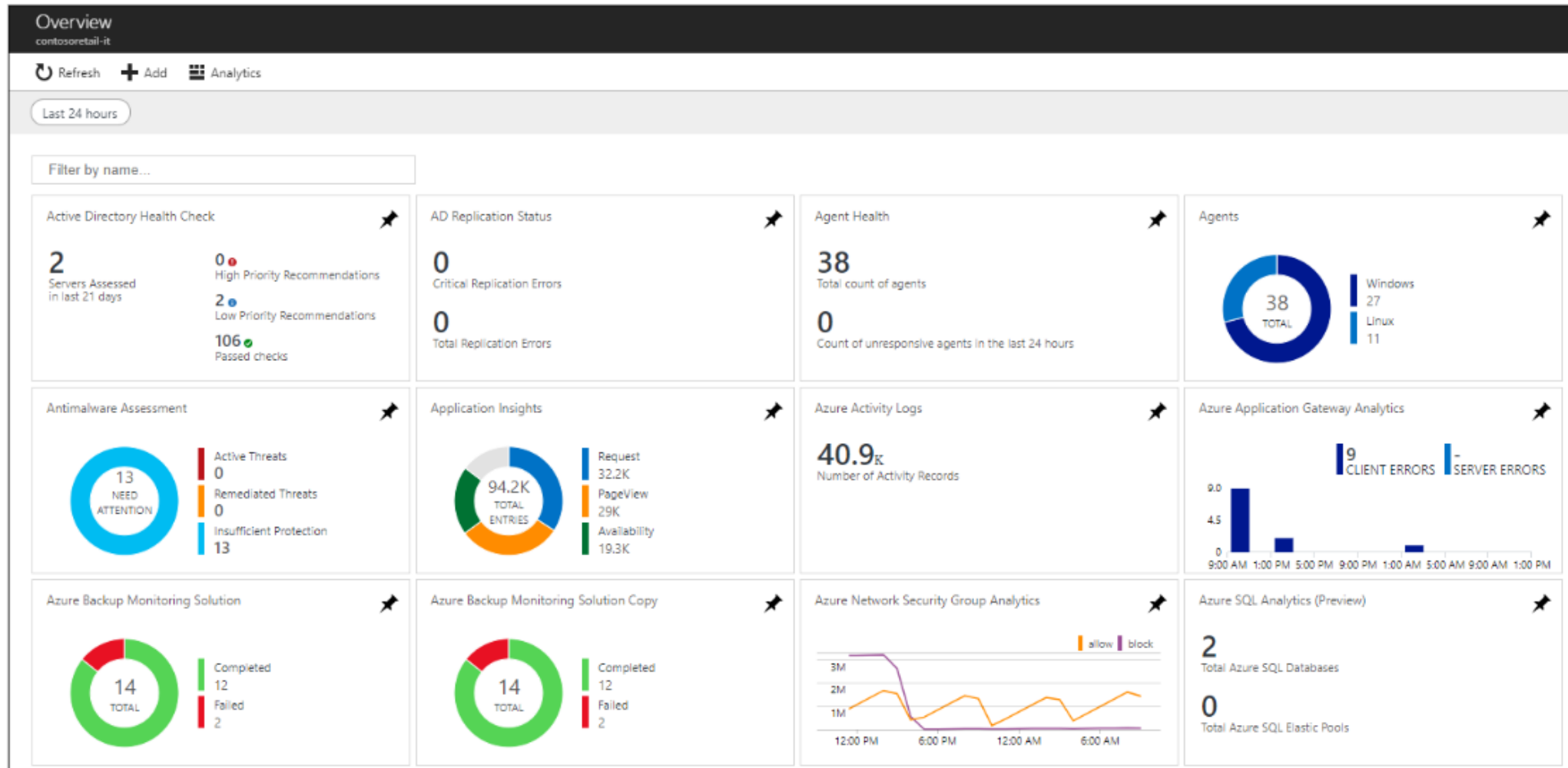
Application insights

Azure Monitor for containers

Monitoring solutions

Dashboards