



OPCITO TECHNOLOGIES

Enhancing Azure Observability For A FinTech Ecosystem

About The Customer

The customer is a fintech giant that assists financial institutions in modernizing their regulatory landscapes. Their innovative approach seeks to harness fintech solutions to serve the unbanked, streamline operations, and bolster supervisory decision-making. The customer infrastructure uses Azure and related services, including AKS, App Services, Storage Accounts, Key Vaults, DNS, Private Endpoints, Virtual Networks, VMs, and more.

Business Challenge

The customer's Azure-based ecosystem grew more intricate, and several challenges emerged:

- **Monitoring & insight:** Given the vast array of services, a sophisticated real-time observability mechanism was essential.
- **Scalability concerns:** A dynamic monitoring tool, capable of evolving with escalating data streams, was imperative.
- **No holistic oversight:** A centralized system that can supervise the huge network of services, databases, and virtual assets was essential.
- **Manual issue resolution:** Immediate detection and rectification of issues were crucial to ensure service continuity.
- **Costly operations:** Striking a balance between resource utilization and cost was essential for optimal performance.

How Opcito Helped

Partnering with the customer for infrastructure optimization, management, and monitoring, Opcito's SecOps experts devised a comprehensive Azure-focused monitoring strategy:

- **Azure Monitor:** As a foundational component, it offered a comprehensive view of the diverse cloud assets.
- **Application Insights:** This tool generated critical insights on application functionality, user engagement, and potential system anomalies.
- **Log Analytics:** It became pivotal in consolidating logs from various Azure services, simplifying the diagnostic process.

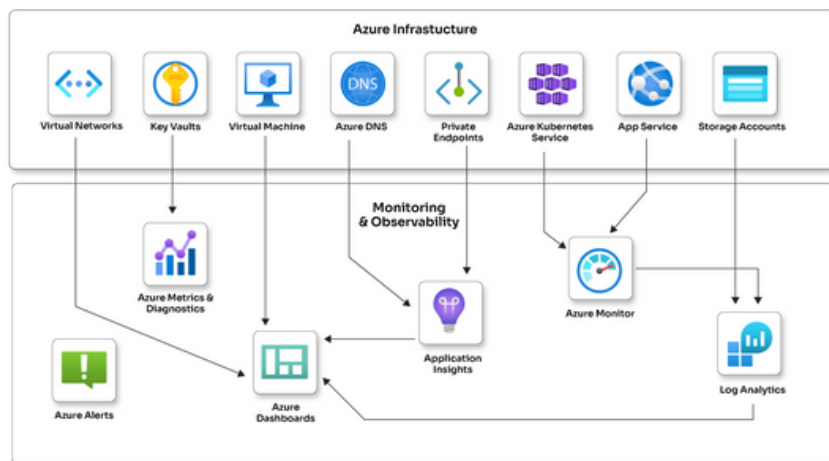


This document is proprietary and confidential. No part of this document may be disclosed in any manner to a third party without the prior written consent of Opcito Technologies.

India office +91 (20) 6712 4100

US office +1 (650) 772 4442

- **Azure Metrics and Diagnostics:** Enabled detailed tracking of metrics and logs from diverse Azure services, including VMs and Virtual Networks.
- **Azure Alerts:** Enabled timely alerts to address potential challenges proactively.
- **Azure Dashboards:** Tailored dashboards presented a consolidated, real-time snapshot of customer operations.



Technologies, Tools, and Platforms used

AZURE (DASHBOARDS, METRICS AND DIAGNOSTICS, MONITOR, INSIGHTS, LOG ANALYTICS)

Benefits

UNPARALLELED OVERSIGHT

The array of Azure tools granted an unmatched view of customer's extensive operations.

ADAPTABLE MONITORING

The adaptive nature of the system ensured the customer could consistently manage data influxes.

ANTICIPATORY MECHANISMS

Added the ability to preempt and address potential challenges.

IMPROVED APM

Datadog's APM provided detailed performance data and insights, helping us optimize the application.

RESOURCE EFFICIENCY

Data-driven insights allowed for effective cost and resource management.

CONSISTENT OBSERVABILITY

The customer can obtain a coherent view of operations, despite the underlying Azure complexity.

About Opcito

At Opcito, we believe in designing transformational solutions for our customers, start-ups, and enterprises, with our ability to unify quality, reliability, and cost-effectiveness at any scale. Our core work culture focuses on adding material value to your products by leveraging best practices in DevOps, like continuous integration, continuous delivery, and automation, coupled with disruptive technologies like containers, serverless computing, and microservice-based architectures. We also believe in high standards for quality with a zero-bug policy and zero downtime deployment approach.



This document is proprietary and confidential. No part of this document may be disclosed in any manner to a third party without the prior written consent of Opcito Technologies.

India office [+91 \(20\) 6712 4100](tel:+912067124100)

US office [+1 \(650\) 772 4442](tel:+16507724442)