

Cisco AppDynamics on Microsoft Azure

Optimize Hybrid Application Performance



Application Performance Monitoring is critical to ensuring smooth operation and reliability of applications, especially as the digital landscape becomes increasingly complex. Businesses must navigate organizational and regulatory demands and meet consumer expectations for seamless experiences at every stage. This requires a robust Application Performance Monitoring (APM) solution, and a thorough understanding of a business's networks, database bottlenecks, infrastructure health, and security risks to gain insights and identify and resolve issues effectively.

Cisco AppDynamics, hosted on Microsoft Azure, offers access to comprehensive application performance monitoring and observability, delivering real-time insights into the performance and health of applications, infrastructure, and user experience. By leveraging AppDynamics on Microsoft Azure, businesses can maximize their cloud-provider investments, meet geographic or contractual requirements while accessing tools to optimize workflows, detect performance issues, and minimize downtime—all within the framework of their preferred cloud provider.

Key Benefits

Seamless Application Performance Monitoring

Utilize APM services hosted on Microsoft Azure, enabling seamless workflows and new enterprise integrations with AppDynamics.

Detect and Optimize

Easily ensure that your applications are running efficiently by quickly detecting and resolving performance issues to avoid downtime.

Observe and Adhere

Observe what's most important to your business on Microsoft Azure while maintaining compliance with industry-specific regulatory requirements.

Core Capabilities

SaaS hosted on Microsoft Azure

Available on the Azure Marketplace, AppDynamics supports digital transformation by providing real-time insights and seamless scalability, meeting diverse cloud provider preferences and regulatory requirements. This integration offers advanced observability, improved performance, and robust security

Data collection

Data collection begins with AppDynamics agents and/or OpenTelemetry data. Agents are installed on each host and managed by a Smart Agent to simplify agent lifecycle management. Agents instrument your code and send performance information to the controller for processing, alerting and visualization through the AppDynamics user interface. Smart Agent enables remote management of all deployed agents in one centralized place, eliminating the need for time-consuming manual intervention.

Auto-discovery and mapping

AppDynamics automatically discovers the flow of all traffic requests in your environment and dynamically creates a topology map, so you can visualize performance across your application ecosystem.

Business transaction monitoring

AppDynamics observes and supports key business transactions made up of the services that fulfill and deliver user-initiated requests. Business transactions include critical user experiences like logins, shopping cart additions, and checkouts that drive revenue and conversion.

Baseline performance and alerting

AppDynamics monitors the performance of key business transactions and receives alerts when performance exceeds baseline thresholds, so you understand how performance impacts user experience. Alerts are integrated

with incident and alerting systems like ServiceNow, PagerDuty, and Jira.

Anomaly detection and root cause analysis

AppDynamics AI-powered Cognition Engine automatically detects and isolates performance issues faster. Root cause analysis is faster, with greater accuracy and less manual effort, all of which reduces mean time to identify (MTTI) and resolve (MTTR).

Capture snapshots

To avoid excess data collection and corresponding costs, AppDynamics monitors every transaction but intelligently captures the details of only anomalous transactions.

Infrastructure monitoring

AppDynamics correlates infrastructure performance from servers, databases, networks, VMs, and containers with application performance to quickly determine root cause.

Log analytics

Log Observer Connect for AppDynamics combines the power of Splunk log analytics and Cisco AppDynamics APM to centralize logs across teams and analyze them in context. It simplifies the troubleshooting process into a single, uninterrupted workflow for quick identification of root causes and reduction of MTTR.

Digital experience monitoring

AppDynamics enables you to closely follow the digital experience of your users and get ahead of issues with web, mobile, and synthetic transaction monitoring. Monitor key metrics across any device, browser, API, or third-party service to make sure emerging issues don't become major problems. Gain network insights with a bi-directional integration between AppDynamics and ThousandEyes to quickly isolate internet-related issues.

Business analytics

Business iQ is a powerful analytics engine that bridges the gap between business and IT with real-time visibility into application performance, business processes, and user experience. By combining business context with application analytics and performance, AppDynamics gives technology leaders the data they need to effectively improve brand reputation, protect revenue, and break down silos between business and IT.

Custom dashboarding

AppDynamics Dash Studio features a modern, highly customizable, and easy-to-use interface so you can build custom dashboards in just a few clicks.

Application security

Cisco Secure Application, available for hybrid and self-hosted environments, detects and protects against vulnerabilities and attacks. Reduce risk without compromising accelerated delivery with business risk observability, enabling you to easily prioritize response by business impact and focus on what matters most.

Monitor SAP solutions

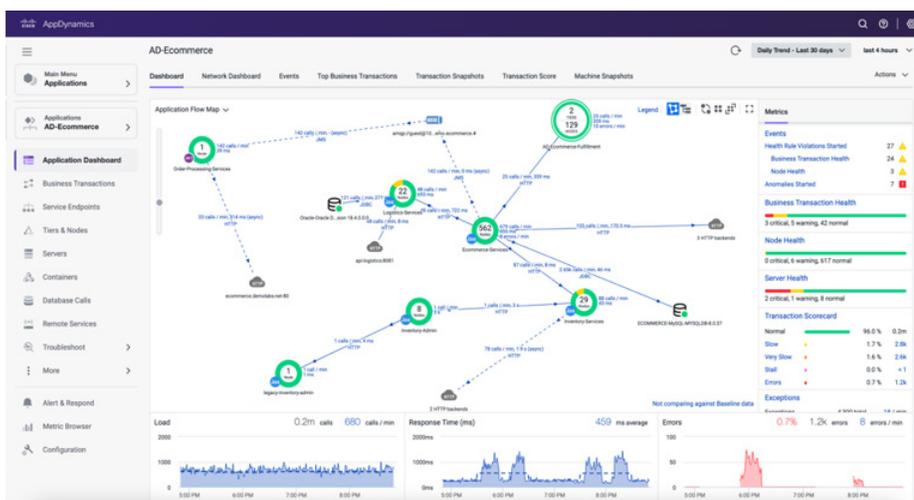
AppDynamics provides the most in-depth SAP monitoring functionality available to ensure service availability and performance with full-stack observability for SAP and non-SAP environments. It monitors critical business processes, like order-to-cash, and discovers SAP-related security issues so that you can build resiliency into your SAP landscape.

Monitor AI applications

AppDynamics AI monitoring delivers in-depth insights that help application owners and operations teams ensure compliance with policy guidelines, optimize costs, and monitor the health and performance of OpenAI integrations, all from a single, unified interface.

Flexible deployments

AppDynamics is available in multiple deployment models to meet every customer's unique needs, including a Cisco-hosted SaaS offering on Microsoft Azure and a self-hosted virtual appliance that can be deployed on-premises or in the Microsoft Azure cloud.



Optimize and Elevate Your Digital Experience with Cisco AppDynamics on Azure

Request a demo or start your free trial at appdynamics.com to see how our solutions can meet your business needs.