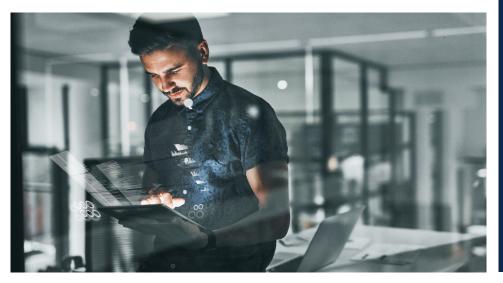## CISCO AppDynamics

Solution Brief

Cisco AppDynamics Hybrid Application Observability

Application performance monitoring (APM) is crucial for understanding application health and addressing issues down to the code level. However, application analytics isn't enough. You need to understand how numerous applications, networks, database contentions, infrastructure health, and security risks impact your business. You need application observability.

Cisco AppDynamics offers a unique, comprehensive approach to observability that provides insights into overall business performance rather than just individual components or services. It brings together insights across your entire application stack and maps them back to the business, all visualized in a single pane of glass.

Cisco's application observability helps SREs, DevOps, and IT Operations teams identify poorly performing business applications and understand their impact on end users and the bottom line. AppDynamics supports your business's success by providing the necessary information to streamline operations, address priorities effectively, and make informed business decisions.

Key Benefits

Observability across your entire application stack

Get accurate and comprehensive real-time visibility into application performance across your entire application landscape, so you can quickly identify and diagnose issues.

Application performance and availability

Gain insights to resolve application issues faster. Confidently deploy new software with real-time detection and alerts of performance issues in production and Dev/QA environments.

Correlation of performance with business outcomes

Correlate application performance with business outcomes so you can make better decisions faster and prioritize the work that best supports the needs of the business.

Core Capabilities

Data collection

Data collection begins with AppDynamics agents and the controller. Agents are installed on each host and managed by a Smart Agent to simplify agent lifecycle management. Agents instrument your code and sends 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

AppDynamics Log Observer Connect 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.

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. Dashboards present application performance insights from AppDynamics and unparalleled network intelligence from Cisco ThousandEyes for comprehensive visibility and Full-Stack Observability.

Application security

Cisco Secure Application, now available on-premises via virtual appliance, detects and protects against vulnerabilities and attacks. Prioritize response with business risk observability so that you can prioritize response by business impact and focus on what matters the 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.

LLM monitoring

AppDynamics OpenAI API 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

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

Learn more, request a demo, or start a free trial at appdynamics.com