

AppDynamics On-Premises provides secure application performance monitoring

Solution Brief



Digital applications are the primary touchpoints for your customers, partners, and employees, so delivering high-performing, highly available digital experiences is critical. But this can be especially challenging in complex IT environments where you must maintain applications and data on premises to comply with regulations and other requirements.

AppDynamics provides comprehensive application performance monitoring safely and securely, deployed within your own secure data center or self-hosted on your own cloud-based environments, so you can continuously provide exceptional digital experiences to your customers. You control your data's security with all data stored on-site, maintaining compliance with data residency regulations. You also control software updates to ensure that they meet your strict security guidelines.

With AppDynamics, you can automatically identify performance anomalies and resolve issues before they impact customers, revenue streams, and critical functions and services. Optionally, you can deploy AppDynamics as a virtual appliance.

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 and to 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 send performance information to the controller for processing, alerting and visualization through the AppDynamics user interface.

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 all 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, with greater accuracy, and less manual effort to reduce mean time to identify (MTTI) and resolve (MTTR).

*Supported via virtual appliance deployment.

Capture snapshots

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

Infrastructure monitoring

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

Digital experience monitoring

AppDynamics enables you to closely follow the digital experience of your users and get ahead of issues with web, mobile, or synthetic transaction monitoring. You can 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, providing real-time visibility into application performance, business processes and user experience. By combining business context with application analytics and performance, technology leaders get the data they need to effectively improve brand reputation, protect their 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 provide combined application performance insights from AppDynamics and unparalleled network intelligence from Cisco ThousandEyes for comprehensive visibility.

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 APM 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.

Self-hosted deployment flexibility

In addition to on-premises deployments, customers can manage their own observability deployments in AWS or Microsoft Azure by using the Amazon Machine Instance (AMI) or Virtual Hard Disk (VHD) images of the virtual appliance, giving you the option to maintain a cloud-based deployment when a SaaS instance is not available in the country where a sensitive workload needs to be monitored, or when you want to retain full control of the observability solution.

Flex Licensing

Expand your monitoring workloads to AppDynamics SaaS services with simultaneous entitlements for self-hosted and SaaS that can simplify your transition to SaaS as you grow your observability coverage.



Learn more at appdynamics.com