AppDynamics On-Premises Virtual Appliance

Solution Brief

AppDynamics On-Premises Virtual Appliance modernizes self-hosted observability with a new virtual appliance for modern, distributed services that supercharges hybrid application monitoring including:

- **Cognition Engine:** Uses AI-powered anomaly detection and root cause analysis to automatically detect and isolate performance issues.
- **Cisco Secure Application:** Protects your applications against vulnerabilities and attacks and prioritizes remediation with business risk observability.
- **Monitoring SAP:** Enables you to observe SAP application and business process performance and SAP user login and authorization, system, and connection related security related issues.
- **AWS and Azure Self-hosting:** Deploy virtual appliances on-premises or in the cloud for full control of your observability solution.

The new virtual appliance form factor significantly improves time-to-value in deployment, and it reduces operational costs while supporting self-hosted modern distributed services. Additionally, new AppDynamics Flex Licensing offers flexible and frictionless entitlements, so you can shift some or all your on-premises licenses to AppDynamics SaaS as your requirements allow. Please refer to the pricing guidelines or contact us for more information.

Benefits

AI-powered anomaly detection and root cause analysis

Proactively identify performance issues with high accuracy so you can resolve them fast and improve operational efficiency.

Application security

Improve your security posture with proactive vulnerability and threat detection and respond faster with business risk observability.

SAP landscape resiliency

Build resiliency with application performance, business process monitoring, and SAP-specific security insights.

Self-hosted flexibility

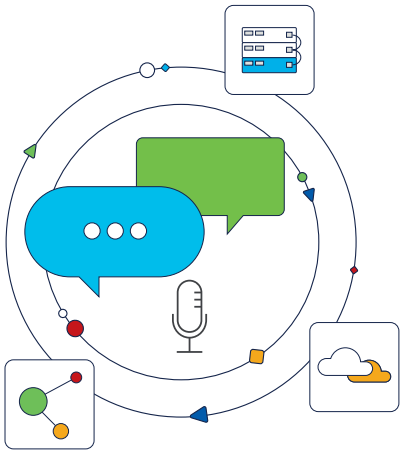
Deploy and manage your self-hosted observability solution across a range of on-premise and cloud platforms to meet your regulatory and security needs.

Core Capabilities

Cognition Engine

Cognition Engine uses machine learning and AI-powered intelligence to:

- **Establish dynamic baselines:** Understand what "normal" application performance looks like by calculating every metric and trend over time, accounting for seasonality.
- **Alert using anomaly detection (AD):** Detect when activity deviates from the dynamic baselines, accelerate mean time to identify (MTTI) and mean time to resolution (MTTR) for anomalies, account for periodic acceptable spikes, and reduce noise and false alerts.
- **Present suspected root cause analysis (RCA):** Understand why problems occurred and pinpoint their root causes for faster MTTR.



Cisco Secure Application

Cisco Secure Application reduces the risk of security exposure without compromising delivery speed for application performance monitoring (APM)-managed applications. Powerful capabilities include:

- **Vulnerability detection:** Applications are continuously scanned for known vulnerabilities and mapped to business transactions for greater context.
- **Attack detection:** Continuous monitoring of vulnerabilities finds open and closed attacks on managed applications.
- **Threat intelligence:** Feeds from Cisco Talos and Cisco Vulnerability Management provide risk scores from multiple sources that expose the likelihood of threat exploits.
- **Vulnerability and threat blocking:** Use runtime policies to address the security of applications with specific actions that mitigate attacks and vulnerabilities.
- **Remediation guidance:** Get real-time guidance on how to resolve vulnerabilities to improve security posture, such as language library updates.
- **Business risk observability:** Use the composite business risk score, based on business context plus vulnerability and threat intelligence, to prioritize remediation based on the likelihood of impact to your business.

Monitoring SAP solutions

AppDynamics enables IT operations teams to build resiliency into SAP landscapes that span SAP and non-SAP environments, in key areas such as:

- **Service availability and performance:** Observe correlated metrics across SAP and non-SAP environments to ensure the ecosystem is healthy and running optimally.
- **Process dashboards:** Leverage pre-configured and customizable dashboards, or a dashboard generator, to bring necessary monitoring needs together to efficiently assess performance of SAP systems and processes.
- **ABAP code-level visibility:** Gain deep insights into the SAP proprietary language and correlate it with the entire SAP stack for real-time visibility into how performance impacts your business metrics and revenue streams.
- **SAP security:** Draw on centralized dashboards that identify exposures to security events to help teams quickly mitigate risks that occur for SAP user logins and authorizations, SAP systems, and SAP connections.

AppDynamics Flex Licensing

Flex Licensing enables self-hosted customers the ability to seamlessly and simply shift some existing licenses for use with SaaS features. Flexibility provides scalable access with enhanced functionality such as:

- **Broader full-stack observability capabilities:** Gain a unified observability experience with Cisco Observability Platform
- **Simplifying your journey:** Move from on-premises to SaaS easily when your business priorities shift.
- **Faster access:** Access new APM features and capabilities through automated controller updates.
- **Reduced IT burden and cost:** Remove barriers commonly associated with maintaining controllers such as maintaining compatibility with a variety of different components.

Self-Hosted Offerings in Amazon Web Services (AWS) and Microsoft Azure:

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. This is valuable when a SaaS instance is not available in your country where a sensitive workload needs to be monitored, or when you want to retain full control of the observability solution.

Learn more at appdynamics.com