The next generation of application performance monitoring for your C/C++ application

C/C++ is regarded as a language for high performance applications, but, they may contain frustrating blind spots and mysterious, recurring problems. AppDynamics C++ Monitoring SDK delivers visibility and deep diagnostics that Ops and Dev teams require.

C/C++ has been around a while and it's regarded as the language for high performance applications primarily because it compiles to machine code and directly interfaces with operating system without intermediate layer.

While the application complexity have exploded over the years and modern languages have evolved and become more popular due to various reasons, C/C++ is core part of business critical application environment for many enterprises. As these applications become increasingly critical to the business, it's more important than ever to have a simple yet fast way to monitor, diagnose, and resolve application problems before they affect revenue.

Introducing AppDynamics C/C++ Application Performance Management Module

AppDynamics C/C++ Application Performance Management (APM) module provides end-to-end business transaction centric management of C/C++ applications in the most complex and distributed environments to deliver exceptional user experience by proactively identifying and resolving performance issues.

Visibility module Monitoring provides an application-centric monitoring of servers in context of business transactions to proactively isolate and resolve application performance issues faster with actionable, correlated application-server metrics. server monitoring platform that proactively detects and helps quickly resolve server performance issues in context of business transactions. Unified Monitoring solution, server monitoring complements the application and database monitoring solution to improve end-user experience and reduce monitoring complexity.

As a key module of AppDynamics Application Intelligence Platform, C/C++ APM module monitors the C/C++ applications via a monitoring SDK that enables the same real-time, end-to-end, user-to-database performance visibility as other supported languages, for rapid root-cause analysis and issue resolution.

AppDynamics allows you to instrument your C/C++ application code and deploy in production to get real-time visibility of performance and find the root cause of code bottlenecks in seconds, all with minimal overhead. AppDynamics C/C++ application monitoring SDK enables automatic discovery and mapping of all tiers that service and interact with the C/C++ applications, automatic dynamic baselining, data collectors, and health rules, as well as managing key metrics including application load and response times, and key system resources including CPU, memory, and disk I/O.

KEY BENEFITS

– Visualize your C/C++ applications and other interdependent application components, from browser to backend database

– Identify potential performance problems before they impact end-users

– Faster time to isolate and resolve application performance issues for C/C++ applications

– Easily understand the health of C/C++ applications by monitoring key performance metrics

– Establish performance baselines and automatically identify anomalies

– Automate common fixes with Application Run Book Automation

Key features

Monitor end-to-end business transaction performance, with Transaction Tag and Follow

– Instrument the C/C++ application with the SDK to discover application topology and interdependencies including external web services, and trace key business transactions based on production application behavior

– Visualize and prioritize the business transactions performance and not just the health of the application and infrastructure nodes

Correlate with distributed applications with industry's broadest coverage of languages and technologies

– Correlate with applications developed in popular programming languages and frameworks including Java, .NET, Node.js, PHP, Python

– Monitor the calls to back-end systems, for example, databases, message queues, web services

– Leverage platform extensibility for wider application monitoring coverage

Monitor production application at code-level depth with minimal overhead

– Monitor every transaction but intelligently create troubleshooting snapshots for anomalous transactions only, making the platform scale to meet the demands of large enterprises

– Instrument the code to add additional details and troubleshooting data in the transaction snapshot

Never get another false alarm with automated baselining and alerting

– Know your performance in the context of auto-generated dynamic baselines

– Powerful and flexible health rules and policies for alerting

– Integrated with incidents and alerting systems ServiceNow, PagerDuty, and Jira

Resolve application issues quickly for exceptional end-user experience

– Avoid tedious manual steps with Runbook Automation by automatically resolving performance issues as they are developing

Flexible deployment options

– Saas, on-premises or hybrid deployment option
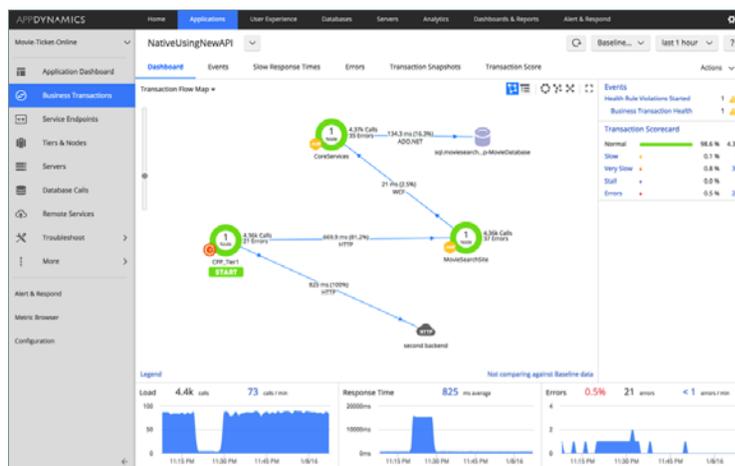

SUPPORTED ENVIRONMENTS

– Linux for 32/64 bit applications

– Windows 2008R2/Windows 2012 for 32/64 bit applications

WHO IS IT FOR?

– IT Operations

– Production Support

– Developers

– Architects

– Anyone whose phone rings when the application is having problems

PROBLEMS SOLVED

– Uptime & Availability

– Slow response time

– Slow database response

– Database connection pool areas

Try it FREE at appdynamics.com