# CA Unified Infrastructure Management Log Analytics

## At a Glance

CA Unified Infrastructure Management (CA UIM) provides log analytics that deliver the rich, contextual intelligence needed to help speed root cause analysis and issue resolution. The solution automatically aggregates and normalizes log data from multiple sources and generates actionable dashboards. With CA UIM, you can correlate infrastructure performance alarms with associated log events and get alarms that offer contextual event details, enabling fast, effective issue resolution. These log analytics help IT teams dramatically enhance infrastructure performance and the user experience.

## Key Benefits/Results

- **Rapidly identify issues**. Enables efficient comparison of unstructured log and event data over time so you can spot patterns and anomalies.

- **Speed triage and root cause analysis**. Provides log event alerts with contextual intelligence, offering insights that enable rapid triage of issues that affect capacity or the user experience.

- **Save time and boost productivity**. Offers automatic aggregation of logs from multiple sources and lets you use a single tool for configuring infrastructure and log monitoring.

## Key Features

- **Preconfigured, actionable dashboards**. Delivers summary insights into key events across multiple log sources so you can focus on the right trends.

- **Correlation and contextual alerts**. Enables easy correlation of infrastructure performance and log data.

- **Flexible search**. Offers easy search capabilities that can be extended across different log types and saved for future use.

- **Contextual workflows**. Lets you launch contextual log analysis from the infrastructure performance alarms console, so you can rapidly find anomalies and investigate issues.

## Business Challenges

To succeed in the digital economy, it's critical that your applications deliver a phenomenal user experience. To deliver an enhanced user experience, the performance of key IT resources needs to be optimized. Today, that means proactively analyzing events in log files that are spread across hybrid infrastructures, which is critical in identifying the root cause of underlying performance issues. However, many IT teams' siloed, reactive approaches to log monitoring make these efforts time consuming and ultimately fail to deliver the insights needed to optimize the end-user experience. IT teams typically confront these challenges:

- **Manual event tracking**. IT teams have to manually track events from log files associated with today's complex, hybrid environments, including traditional infrastructures and dynamic technologies like containers and cloud services.

- **Limited correlation**. Working with isolated tools, these teams can't correlate data from structured sources, such as infrastructure performance metrics, and unstructured sources, like events in log files. Lacking this correlation, teams can't identify patterns and anomalies that emerge over time.

- **Limited alarms**. Working with isolated log monitoring tools and infrastructure performance tools, these teams lack the ability to get alerts with integrated, contextual intelligence. As a result, they don't get the insights they need to resolve issues efficiently and rapidly.

## Solution Overview

CA UIM provides contextual log analysis and monitoring that speeds root cause analysis and enables proactive issue resolution. By automatically aggregating, normalizing and displaying log data from multiple sources, the solution reduces the time staff spend searching for and analyzing issues. Featuring rich, intuitive visualization capabilities, CA UIM enables IT teams to compare unstructured log and event data over time, identify patterns and anomalies, and optimize infrastructure performance and the user experience.

By delivering log analytics that are tightly integrated with infrastructure performance management, staff members can benefit from the ability to do immediate analysis, within the context of their specific roles and activities. The solution also provides contextual event alarms that map to infrastructure performance alerts, enabling more proactive issue resolution and enhanced staff productivity.

In addition, the solution provides a unified, template-based approach for managing and deploying monitoring configuration, so you can scale your infrastructure and log analysis. As a result, the solution enables you to improve staff efficiency and meet the needs of today's high-velocity DevOps environments.



CA UIM provides unified visibility of infrastructure performance and event logs.

## Critical Differentiators

**Contextual workflows and alerts**. With CA UIM, log analytics capabilities are tightly integrated with the solution's core performance monitoring console. Users can kick off log analytics workflows directly from a performance alarm. The solution automatically augments relevant log event alarms with performance alarm data, helping speed issue resolution.

**Automated, unified configuration**. With CA UIM, you can use a single, automated tool for monitoring logs and infrastructure performance. This results in a rapid, unified, template-based approach to log monitoring deployment across groups and devices.

**Scalable, cost-effective storage**. CA UIM features an architecture that is cloud-native, multitenant and scalable, so you can store high volumes of data from multiple sources for performing log analysis—without breaking the bank.

**Rich visualization across various log types**. CA UIM provides holistic log analytics dashboards that help you identify key events and trends to keep an eye across multiple log sources. You can use the solution's rich visualization to drill down and do detailed log analysis of specific log files.

**Advanced search capabilities**.  With the solution, you can easily query logs, alarms or other text information from different domains. Users can can customize searches, save searches and schedule them for automatic execution.

**Custom dashboards**. With the solution, you can customize existing dashboards or create new ones, so you can efficiently view the data that's most relevant to you and your specific needs.

## Supported Environments

Supported log file types include Apache (access and error), Docker, Microsoft® IIS, Microsoft SQL Server®, Microsoft Windows® event, Oracle Database, Oracle Java™ log4j, syslog and Tomcat (access and Catalina).

For more information, please visit **ca.com/uim**