

CA Mainframe Operational Intelligence

At A Glance

CA Mainframe Operational Intelligence helps organizations prevent downtime and optimize IT operations by proactively detecting when systems are behaving abnormally and expediting problem resolution. This machine-learning environment uses a wide set of data collectors and data science algorithms to provide additional time on the clock to remediate potential issues before they impact your business. Embedded intelligence and a modern, easy-to-use collaboration hub provide more actionable insights, helping novice IT ops staff triage and analyze root cause faster. Automated problem remediation can be dynamically triggered to further simplify management, increase efficiency and protect your experts.

KEY BENEFITS

- **Predict problems earlier.** Respond sooner with embedded intelligence that dynamically alerts of abnormal patterns of operation.
- **Diagnose issues faster.** Pinpoint root cause faster with multi-source data feeds and advanced data science algorithms.
- **Collaborate more efficiently.** Enable generalists to triage issues faster and engage only the experts needed.
- **Improve continuously.** Recommend and automate corrective action for future events based on continuous machine-learning feedback loop.

KEY FEATURES

- **Anomaly detection** proactively warns of abnormal patterns so corrective action can be taken sooner.
- **Collaborative visualization and analysis** speeds issue triage and root-cause analysis using embedded issue-triage workflow, visual analysis tools, self-service dashboards and ad-hoc reporting.
- **Multiple data collectors** provide broad visibility, more in-depth insights and increased accuracy of predictions.
- **Dynamic alerting** improves mean time to resolution (MTTR) with real-time dynamic notification of issues.
- **Advanced historical analysis** combines simplified visualization of time-series data with deep-dive analysis tools.
- **Alert clustering** automatically correlates related alerts and symptoms to remove irrelevant data points and provide more actionable insights.

Business Challenges

Increasing business reliance on IT systems and always-on mobility are putting pressure on IT to provide increased scalability and availability of mission-essential services. Leading organizations rely on the mainframe to meet these needs, but traditional reactive approaches to mainframe management will not be able to keep up with the velocity of change and dramatic growth.

Too late: After an IT system problem occurs, it's typically too late—systems are down, revenue is being lost and customers are upset and possibly gone for good. Organizations need more advanced warning to prevent system issues from having significant impact to the business.

Too long: Complex systems are comprised of many components—it takes too long to gather data from the interrelated sources, determine what is relevant and derive insights to identify the cause of a problem and remediate it.

Too many: Too many people are required to collect, interpret and diagnose complex system issues and many of them are mainframe experts who are rapidly approaching retirement. New automated approaches are needed to simplify mainframe management, increase efficiency and quickly on-board new IT specialists to support mainframe operations.

Solution Overview

CA Mainframe Operational Intelligence uses machine learning and predictive analytics to help you anticipate and avoid problems. Embedded operational intelligence ingests operational data from numerous sources to proactively detect abnormal patterns of operation. This helps your team act on potential issues much earlier, isolate the real root cause faster and ultimately remediate issues before they become business-impacting incidents. These insights are not only available to your experts, but also presented in an easily consumable manner where even novice mainframers can drill down and diagnose issues on their own.

CA Mainframe Operational Intelligence consumes data from multiple CA solutions and directly from IBM® z Systems® environment through SMF records. Raw alerts from all data sources are automatically correlated to surface specific issues. Predictive insights are then provided for each issue, including drill-down and probability. Automated problem remediation can also be triggered for optimum performance and efficiency.

Critical Differentiators

CA Mainframe Operational Intelligence is designed to support the needs of organizations who rely on the mainframe for their most mission-essential applications, offering numerous advantages:

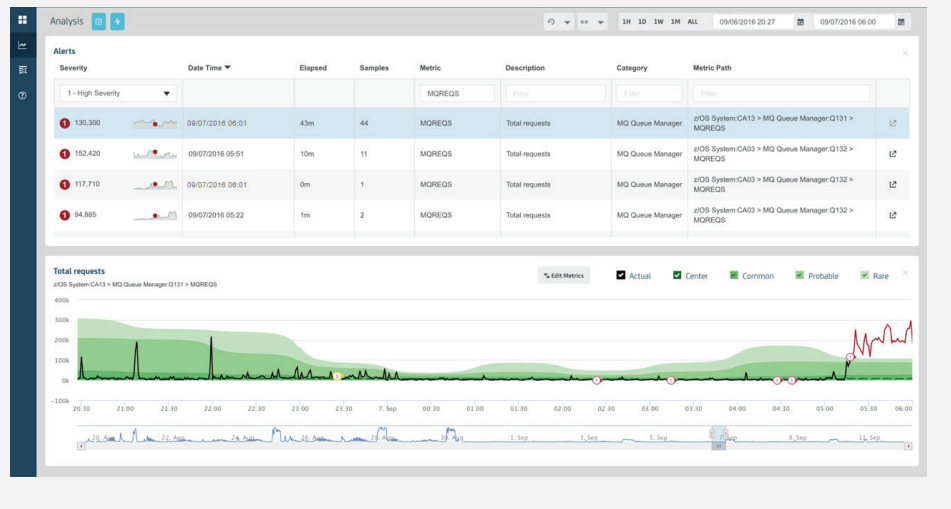
Operational intelligence is uniquely embedded into the management environment to more proactively optimize mainframe performance and availability with fewer resources.

Multi-source data feeds enable you to gather data and derive intelligence across multiple systems and sub-systems, including data directly from the IBM z Systems environment, in addition to data from CA products. When it comes to machine learning and intelligence, the wider the set of data the more accurate the predictions, and better the opportunity for relationship and pattern analysis.

Alert clustering automatically correlates related alerts to better predict cascading events before they spiral out of control. This assists lower skilled IT ops in driving to root cause faster and providing more accurate and actionable insights by automatically scoping relevant issues and focusing in on related symptoms.

In-depth integration with leading mobile-to-mainframe management and automation solutions from CA uniquely enables you to monitor and manage large, complex environments with less effort and lower cost.

Proactively detect performance anomalies



Related Products

CA Mainframe Operational Intelligence correlates data from multiple CA solutions to provide more in-depth insights and increased accuracy of predictions:

- CA SYSVIEW® Performance Management
- CA NetMaster® Network Management
- CA Vantage™ Storage Resource Manager

Integration with CA OPS/MVS® Event Management and Automation and the CA Automation (formerly Automic) platform automates remediation of issues to further simplify mainframe management.

For more information, please visit ca.com/intelligent-mainframe

CA Technologies (NASDAQ: CA) creates software that fuels transformation for companies and enables them to seize the opportunities of the application economy. Software is at the heart of every business, in every industry. From planning to development to management and security, CA is working with companies worldwide to change the way we live, transact and communicate—across mobile, private and public cloud, distributed and mainframe environments. Learn more at ca.com.

Copyright © 2017 CA. All rights reserved. IBM and z Systems are trademarks of International Business Machines Corporation in the United States, other countries, or both. All other trademarks, trade names, service marks and logos referenced herein belong to their respective companies. This document is for your informational purposes only. CA assumes no responsibility for the accuracy or completeness of the information. To the extent permitted by applicable law, CA provides this document "as is" without warranty of any kind, including, without limitation, any implied warranties of merchantability, fitness for a particular purpose, or noninfringement. In no event will CA be liable for any loss or damage, direct or indirect, from the use of this document, including, without limitation, lost profits, business interruption, goodwill or lost data, even if CA is expressly advised in advance of the possibility of such damages.