

At a Glance

In today's application economy, business fortunes are becoming increasingly intertwined with application innovation and service levels. Therefore, it's critical that the IT infrastructure that supports applications delivers high performance and continuous availability. CA Spectrum delivers advanced scalability and features that enable your organization to effectively monitor and manage its dynamic, complex IT infrastructure—including physical, virtual and cloud environments as well as software defined networks (SDN). CA Spectrum is a single platform that features proactive network change management, fault isolation and root cause analysis. With CA Spectrum, you can track, manage and optimize not only the network infrastructure but the business services running on top of it.

Key Benefits/Results

- **Maximize IT's value.** Get the practical insights you need to better align investments and efforts with business priorities.
- **Accelerate issue resolution.** Leverage automated discovery, event correlation and root cause analysis capabilities that reduce the time it takes to fix problems.
- **Boost service levels.** Improve system availability and performance by minimizing erroneous changes.
- **Speed innovation.** Capitalize on innovative technologies and approaches, such as cloud and virtualization, while using a single management platform.

Key Features

- **Intelligent event correlation.** Correlate among multiple events and suppresses symptomatic alarms in order to deliver targeted insights.
- **Fast root cause analysis.** Pinpoint specific causes of outages and performance issues.
- **Proactive change management.** Included are tools for controlling, tracking and remediating changes across thousands of network devices.
- **Comprehensive device and platform coverage.** Provide a single platform for monitoring physical, virtualized and cloud environments—and integrate with CA Unified Infrastructure Management to offer server management capabilities.
- **Customized, role-based views and interfaces.** IT delivers pre-packaged and easily customizable reports, alerts and dashboards.

Business Challenges

Competing in today's application economy means having pinpoint precision for application launches to guarantee customer expectations and business objectives. To stay competitive, delivering fast innovation and optimized service levels, while maximizing IT performance and availability is vital but continues to grow more challenging as we see the following:

- Incident resolution in today's complex, dynamic IT environments is time-consuming and labor-intensive.
- It's difficult to quickly assess the impact of issues on users, customers and the organization.
- Administrators can't prevent incorrect configuration changes that lead to outages and performance issues.

Without a way to address these challenges, IT organizations continue to rush to react to issues after users are affected, and user productivity and organizational performance continue to suffer.

Solution Overview

CA Spectrum offers the robust, comprehensive and sophisticated capabilities IT organizations need to proactively and effectively manage their infrastructures and services. CA Spectrum offers:

- **Service-aware management.** CA Spectrum helps staff discover, model, monitor and manage the relationships between the infrastructure and the business services it supports.
- **Intelligent fault detection.** CA Spectrum delivers patented technologies that automate device discovery and root cause analysis, speeding issue detection and remediation.
- **Change management.** CA Spectrum delivers the visibility and control administrators need to minimize the erroneous changes that lead to performance issues and outages.
- **Comprehensive coverage.** With CA Spectrum, managers can gain comprehensive visibility across physical, virtualized and cloud environments, and across vendors, including SDNs.
- **Customized, role-based views.** CA Spectrum offers pre-packaged, easily customizable dashboards and reports that can be tailored to the specific needs of administrators, users and customers.

With comprehensive coverage and visibility, simplified management and automated discovery, CA Spectrum provides robust capabilities while lowering total cost of network monitoring administration.

Critical Differentiators

Fault isolation and root cause analysis.

By mapping the relationships making up your critical business services, CA Spectrum helps administrators pinpoint the root cause of service problems for faster resolution. The solution offers automated event correlation and root cause analysis capabilities that suppress unnecessary or symptomatic alarms and identifies the specific component responsible for an issue.

Proactive change management. Minimize costly downtime and troubleshooting effort that results from ineffective change management. CA Spectrum correlates outages to configuration changes with audit trails for any network device. The solution also offers change scheduling and automation, approval controls and detailed change reporting, enabling you to establish reference configurations, track deviations and even generate alarms when deviations occur.

Sophisticated reporting delivers powerful insights.

Harness maximum insights with pre-packaged root cause analytics, configurable alerts, intuitive dashboards and powerful troubleshooting tools. CA Spectrum enables drag and drop report authoring, flexible data gathering, custom formatting, ad hoc data exploration and analysis and easy content sharing, with improved reporting performance for extra-large environments.

Comprehensive infrastructure support.

- Supporting a vast array of physical network devices, virtualization servers, cloud environments and SDNs
- Increased visibility with support for Microsoft Active Directory® and Exchange Server

For more information, please visit ca.com/spectrum

Enhanced user experience with native mobile app and new WebClient.

The screenshot displays the CA Spectrum web interface. The top navigation bar shows 'CA Spectrum' and user information. The main content area is titled 'Alarms [All Alarms]' and features a table of active alarms. The table columns include Severity, Date/Time, Name, Network Address, Secure Domain, Type, Ack, Alarm Title, Landscape, Ticket Details, Troubleshooter, and Impact. Two critical alarms are visible, both related to a 'CHASSIS DOWN' event on a Cisco switch. Below the table, there are sections for 'Alarm Details' and 'Impact', which include descriptive text and a network topology diagram showing the affected device and its connections. A mobile app interface is overlaid on the left side of the screenshot, showing a similar alarm notification.

- Cisco Virtual Switch (VSS) and Virtual Port Channel (VPC) support allowing root cause and impact analysis on the latest technologies and chassis devices

- Advanced systems monitoring to include UCS, clusters and cloud environments

In addition, CA Unified Infrastructure Management integration offers comprehensive server management capabilities, including integrated root cause analysis, alarm suppression and more.

Flexible monitoring extensibility. To adapt the solution to your specific environments and objectives:

- New WebClient and native mobile app that enhances the usability and overall user experience
- Enhanced performance and lower footprint through Spectrum 64-bit supporting over 15,000 devices and approximately one million models

- Monitoring of Cisco wireless LAN controllers (WLC) and connected access points (AP) allowing discovery and modeling

- RESTful Web services APIs that enable customers and partners to do their own integrations and execute complex, custom workflows

- A southbound gateway (SBGW) capability to push events or alarms from any other device into CA Spectrum, for root cause analysis and management of the issue

- A self-certification toolkit that enables support for new vendor offerings

Robust network modeling, monitoring and management network coverage.

Robust coverage and insight into sub optimal or mis-configured layer 3 traffic and routes, the data path between endpoints and enhanced VPN management for Distributed SpectroServer and MPLS Manager.

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.