

Top Five Reasons to Transition to CA Performance Management



#1 Visibility into Traditional and SDN Networks for Operational Simplicity

CA Virtual Network Assurance seamlessly integrates with CA Performance Management providing the most comprehensive network monitoring solution for traditional and new software-defined networks (SDN)



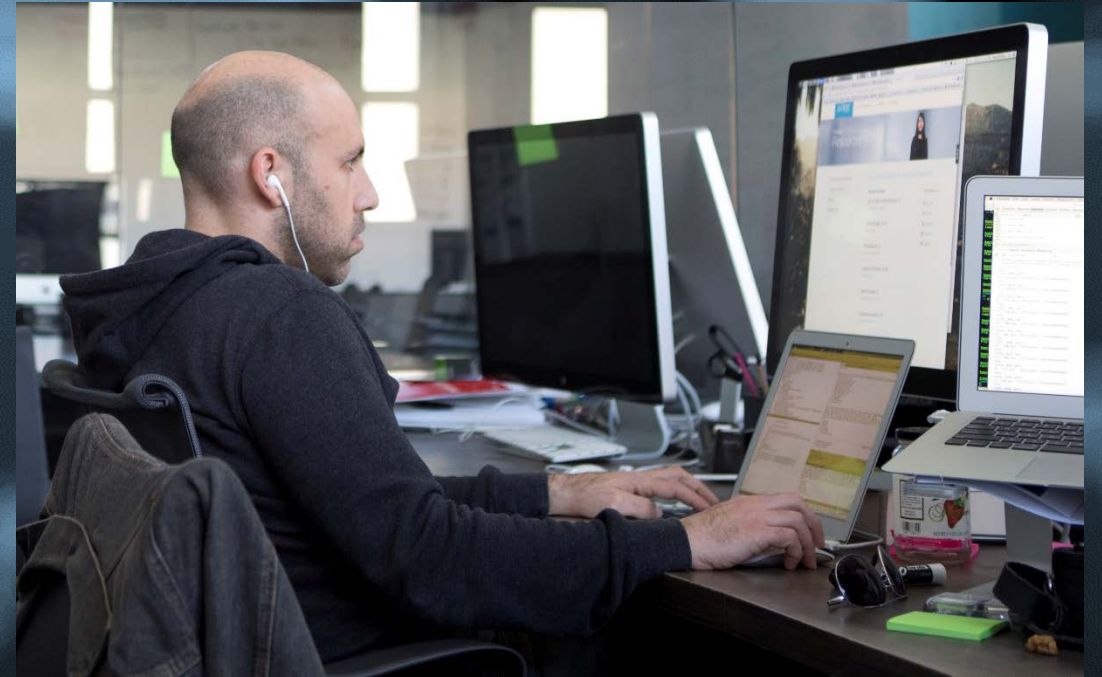
#2 Big Data Architecture at Low Cost



Flexible data acquisition and storage controls provides lowered operational costs across any size network environment.

#3 Prescriptive Analytics for Improved MTTR

Real-time data analysis, base-lining and alerting along with guided workflows provides meaningful and proactive actions to network performance troubleshooting.



#4 Innovative Visualizations for a Customized Experience

Built on an open API architecture to ensure feature velocity for maximum data value and a truly customized network troubleshooting experience.



#5 Open and Extensible for Cross Domain Clarity

Protocol agnostic data acquisition to eliminate silos for cross domain visibility to deliver a one-pane of glass network operations experience



Additional Resources



ROI Calculator Coach



CA Performance Management Videos

DATA SHEET

CA Performance Management

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At a Glance

CA Performance Management is the next-generation big data collection and analytics solution that helps communication service providers (CSPs) successfully monetize service offerings and lower the cost and complexity of service delivery. It monitors, stores, analyzes and displays massive amounts of performance information for assessing quality across service providers' complex, multi-technology, multi-vendor network infrastructure. Designed for high scalability at low cost, the solution enables proactive capacity planning and problem-solving through flexible dashboards and reports that unify all aspects of monitoring and help optimize operations through an extensible, open architecture.

Key Benefits/Results

- Highly scalable and unified**—Get a single, scalable network monitoring tool for all technologies.
- Rich visualization and predictive analytics**—Normalize, store, analyze and report key performance indicators from network devices and technologies.
- Extensible and open**—Easily customize and personalize dashboards to find and make information more actionable.

Key Features

- Unified multi-technology, multi-vendor device monitoring.
- Certification for classic network devices and specialized carrier ethernet, Wi-Fi offloading and mobile wireless equipment.
- Very high-scale monitoring architecture on a platform that scales efficiently.
- Intelligent analytics, high-scale visualization and fast processing for instant reporting.
- Flexible, easily customizable dashboards and reports.
- Extensible architecture for easy integration and automation.
- Predictive analytics to give a complete, uncorrelated view of the network and business key performance indicators.
- Support for SDN and NFV networks.
- Optional Encrypted DA-DC Interconnects for highly secure networks and data centers.

Business Challenges

In the application economy, a good customer experience drives business. Rising customer expectations require CSPs to focus on providing operational excellence to drive innovation and growth. The shift from technology platforms to business ecosystems will allow CSPs to establish an interdependence between quality connectivity and digital products and services. CSPs that support operational ecosystems through enhanced network-centric services can create a better customer experience and create value by:

- Predicting and addressing the real-time and emerging customer needs
- Transforming traditional network infrastructure to boost agile software architecture
- Modernizing network monitoring to improve performance and efficiency
- Providing meaningful insight by converting data into actionable information
- Adapting to customer preferences in how they communicate, transact, and rely on their mobile devices

In addition, CSPs are looking to solutions like software-defined networks (SDN) and network function virtualization (NFV) to support newer DevOps style of service agility and innovation, with newer business models supporting pay-as-you-grow savings.

Solution Overview

CSPs that balance superior network performance with innovative go-to-market strategies consistently achieve higher profitable revenue growth. To help assure superior network performance, CA Technologies offers CA Performance Management, a solution based on a centralized, multi-tiered multi-threaded architecture built upon three core principles:

- Scalability:** low cost to high scale monitoring, analytics and visualization
- Flexibility:** intelligent analytics in easily customized dashboards and reports
- Extensibility:** open to integrate data, automate processes and customize functionality

Key components of this architecture include:

- Performance Center:** displays all aspects of network monitoring into efficient workflows
- Data Collector:** consumes massive amounts of metrics at very high speed
- Data Aggregator:** normalizes and analyzes NFIs for multi-technology/multi-vendor devices
- Data Store:** stores massive amounts of data for analysis, display and integration with other tools

CA PM Data Sheet

DATA SHEET

CA Virtual Network Assurance

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At a Glance

The application economy brings new and unprecedented demands on the network and the business. Software-defined networking (SDN) and network functions virtualization (NFV) are the keys to staying competitive and agile but will undoubtedly introduce complexities and vulnerabilities into operational systems and processes. CA Virtual Network Assurance reduces risk in SDN/NFV deployments by providing extended visibility and sustained reliability for self-service, automated networks.

Key Benefits/Results

- Re-Invent service delivery.** Accelerate revenue-generating services and tailor them in real time.
- Gain operational confidence.** Accurately identify vulnerabilities and bottlenecks that could impact service delivery.
- Boost DevOps.** Provide the bridge between development and operations to certify new applications on live environments and improve time to market.
- Investment protection.** Extend existing infrastructure management investments to support SDN/NFV environments.

Key Features

- Extended visibility.** Bridge the dynamic relationships/dependencies of new SDN/NFV inventory and performance with legacy infrastructure data into a single pane.
- Stack correlation.** Minimize the management complexity that breeds bottlenecks and assure all the layers of the SDN/NFV stack.
- Multi-vendor protocol and platform coverage.** Support for SDN controllers, orchestrators, OpenStack and vendor agents through advanced API normalization with on-demand certification.
- Integrated metrics.** Support for new overlay metrics with SNMP for comprehensive performance analytics.
- Center-grade scalability and monitoring.** High performance reporting and analytics of scaled SDN/NFV environments alongside legacy networks.

Business Challenges

Competing in today's application economy means that success is measured by how effectively a business delivers fast, reliable and engaging services to the digital consumer. Network operations teams look to SDN and NFV to provide the agility needed to support these competitive business initiatives, but the adoption of this new technology will not succeed due to the following gaps in today's infrastructure management solutions:

- Limited expertise in troubleshooting service chaining in the multi-layered SDN/NFV stack
- No visibility into the physical and virtual network relationships and dependencies
- Limited scalability to support frequency and scope of change enabled by highly dynamic SDN/NFV environments
- No automation or policy-driven innovation in existence today to support self-healing and self-optimizing SDN/NFV networks
- Limited flexibility in existence today to support the wide array of SDN/NFV vendor platforms, protocols and APIs

The transformation to SDN and NFV will be challenging enough for today's network operations teams. Without a way to address the additional challenges introduced by this new technology, the realization of true business and network agility will not be achieved.

Solution Overview

CA Virtual Network Assurance closes the loop among traditional operational silos by bridging existing infrastructure management capabilities to meet the needs of SDN/NFV network velocity, reducing the complexity in network visibility and planning while improving self-service and automation.

CA Virtual Network Assurance offers:

- SDN/NFV Stack Correlation**—CA Virtual Network Assurance removes management complexity with expert understanding of all the network components and layers within the SDN/NFV stack.
- Overlay/Underlay Visibility**—CA Virtual Network Assurance delivers the visibility needed to efficiently operate new virtual networks alongside supportive legacy infrastructure.
- Service Level Fault Identification**—CA Virtual Network Assurance can accurately identify performance bottlenecks and vulnerabilities in service performance traffic within the SDN/NFV ecosystem.

CA VNA Data Sheet

CA Performance Management Documentation

[Getting Started](#)

[Release Notes](#)

[Installing](#)

[Building](#)

[Using](#)

[Administering](#)

[Integrating](#)

[Troubleshooting](#)

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This community is open to all users at all levels and is constantly moderated by expert CA UIM staff and users to help provide timely, thoughtful answers to your questions.

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3. Follow your peers
4. Search for awesomeness
5. Vote of enhancements

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Three ways to learn about CA Performance Management

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[Agile Operations Demo Central](#)

[CA Educational portal](#)

Why CA Performance Management

2M+

Components under
management

68%

Report simplified network
management

\$2.85M

Operational and
administrative savings³

1 – CA Technologies case study on third largest US telecommunications provider

2 – CA sponsored Simply Direct survey of 83 existing CA Technologies Infrastructure Management customers

3 – CA Performance Management Business Value Estimator

For More Information

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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.

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