Full Application Delivery Analysis in the Cloud

THE CHALLENGE

Moving applications to the public cloud creates stumbling blocks for application and IT teams, as they no longer have the visibility needed to be effective. Yet it is critical that applications continue to deliver high levels of responsiveness and availability—at all times, no matter if the application is deployed in the data center, private cloud, public cloud, or a combination of all three.

THE CA AND Ixia JOINT SOLUTION

Application environments continue to grow more dynamic as they are deployed in data centers, private clouds, and public clouds. As a result, the difficulty of managing application availability and performance continues to increase. The joint CA Application Delivery Analysis (CA ADA) and Ixia CloudLens™ solutions provide the end-to-end response-time-monitoring capabilities that your team needs to track and optimize the end-user experience, no matter where the application is deployed. With CA ADA, which provides deep insight into TCP/IP conversations across multi-tiered applications, you can quickly identify the domain in which issues arise, so you can do faster incident triage and resolution. Ixia’s visibility solutions complement CA ADA by providing the full end-to-end visibility of physical, virtual, and cloud network traffic it needs. The joint solution can detect user experience issues as they occur and before customers become aware, so they can be quickly addressed.

Key Benefits

- Improve customer experience with end-to-end view of customers’ real response time
- Boost service levels and proactive SLA compliance
- Faster problem triage to quickly identify the fault domain
- Complete visibility to applications and workloads in enterprise, cloud, or hybrid deployments
- Automatic scaling in the cloud
IMPROVE END-USER EXPERIENCE WITH END-TO-END APPLICATION RESPONSE MONITORING

CA ADA provides the end-to-end response-time-monitoring capabilities that you need to measure and report on the performance of applications across your infrastructure, quickly isolate and fix performance bottlenecks, and optimize the end-user experience. The solution is efficient to deploy and manage, delivering performance and availability measurements that are based on real multi-tiered application response times, without requiring synthetic tests, probes, or agents.

CA ADA continually collects performance metrics, automatically establishes intelligent baselines, and instantly generates alerts when performance starts to deteriorate. CA ADA provides rapid insight into the duration, frequency, pervasiveness, and severity of problems. Convenient application scorecards provide an at-a-glance view of critical application performance, while SLA reporting summarizes both performance and availability of applications.

FULL VISIBILITY IN THE CLOUD

The Ixia CloudLens platform provides CA ADA with a single source of network traffic across all physical and cloud environments. This integration enables you to scale your business operations securely without compromising on visibility, retrospection, or threat detection. CloudLens offers unprecedented visibility across all of your public, private, and hybrid cloud environments. The platform provides a cloud-based framework that scales to meet the elastic demands of public cloud customers in a multi-tenant, self-serve model. With CloudLens, deploying traffic monitoring solutions in the public cloud occurs in a matter of minutes, not hours or days.

Key Features

- Streamlined implementation to track real application response times across data center and cloud environments
- Intuitive visuals for faster fault domain determination and root cause analysis
- Dynamic scaling to provide end-to-end visibility

Fig. 1 - Joint Solution Integration
Cloud resources are constantly changing. CloudLens scales your cloud network visibility dynamically without adding any automation or infrastructure management burdens. Its powerful embedded automation capabilities help analysis tools adapt to changes in demand or failures automatically without needing operator-in-the-loop actions. Virtualizing analysis tools inside cloud provides significant bandwidth savings if you do not want to tunnel your virtual data back to a centralized physical analysis tool.

ABOUT CA

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.