CA Unified Infrastructure Management for Pure Storage

At a Glance

With all-flash arrays from Pure Storage, organizations can realize significant benefits in storage agility and cost effectiveness. To ensure these systems deliver continuous availability and optimized performance, IT teams need a strong monitoring platform. With CA Unified Infrastructure Management (CA UIM) for Pure Storage, you can get the visibility you need to track, manage and tune the performance of your storage environments. This solution equips you with intuitive dashboards and reports, timely alerts and comprehensive system coverage so you can proactively optimize resource utilization and boost performance and uptime. Plus, with the solution's automation and easy customization, CA UIM streamlines ongoing administration.

Key Benefits/Results

- **Faster issue resolution**. Gain comprehensive visibility into your Pure Storage environment and the services running on them, so your staff can spot and address issues faster.

- **Reduce cost and complexity**. Stop managing multiple monitoring tools, and use a single, unified solution for all your environments.

- **Optimize capacity utilization**. Get actionable insights into your Pure Storage environment so you can optimize performance and capacity utilization.

Key Features

- **Comprehensive coverage**. Get performance metrics on all the key elements of the Pure Storage system and any supporting infrastructure.

- **Flexible dashboards**. Leverage pre-packaged dashboards to gain immediate, actionable insights and create custom HTML dashboards for specific uses and users.

- **Predictive, intelligent alarms**. Identify issues proactively and respond quickly and effectively, before the user experience suffers.

- **SLA and trend reports**. Track applications and service performance against SLAs and analyze historical data to find the root cause of issues and better plan for capacity.

Business Challenges

Pure Storage provides all-flash storage array solutions that deliver significant advantages to enterprise storage environments. The company's solutions offer a non-disruptive upgrade path that gives customers the option to perform technology refreshes more often without affecting the availability of application services. With Pure Storage, arrays can be completely upgraded without introducing any downtime. By leveraging the solution, organizations can extend the lifecycle of enterprise storage systems, which can often be as short as three years, to as many as ten years. At the same time, Pure Storage enables customers to more easily and efficiently take advantage of innovative new technologies as they become available.

However, for those tasked with managing Pure Storage systems and service levels, these technologies can pose significant challenges. Monitoring Pure Storage can be a time-consuming and complex activity. Depending on the scope of the deployment, dozens or hundreds of FlashArrays can be operating simultaneously, which means these elements need to be monitored simultaneously. Further, even if a point solution has been employed to track all these elements, still other tools would be needed to track other infrastructure elements and the services that run on them. Beyond the upfront cost and effort of implementation, managing all these tools require substantial ongoing effort associated with manual data aggregation, analysis and reporting.

Solution Overview

CA Unified Infrastructure Management (CA UIM) delivers the comprehensive IT management capabilities that administrators need to track and optimize the performance of their Pure Storage systems. Further, the product offers the combination of centralized visibility, ease of deployment and operation, and architectural efficiency that can significantly reduce the cost and effort associated with Pure Storage administration.

CA UIM is easy to deploy and operate and enables you to automatically generate the views and insights you need to manage the environment. CA UIM equips you with a single, unified platform that enables you to monitor and control your entire IT environment. With the platform, you can gain timely alerts and insights that speed issue detection and resolution, spot ways to pre-empt issues and institute tactics for ongoing optimization.

Critical Differentiators

Holistic performance tracking for Pure Storage: CA UIM helps you monitor the performance and usage of Pure Storage FlashArray systems. The solution monitors physical and logical storage components, including Pure Storage FlashArray, drives, hardware, hosts, host groups, network interfaces and volumes.

The solution retrieves vital array information such as IOPS, latency, data reduction, snapshot capacity and total bandwidth. You can also specify thresholds so that, when specified levels are breached, alarms will automatically be generated.

Rapid, elastic monitoring configuration: CA UIM offers prepackaged templates and bulk configuration capabilities that enable IT staff to rapidly deploy monitoring and efficiently adapt to dynamic environments.

Out-of-the-box and custom dashboards: CA UIM provides immediate insights into Pure Storage environments, presenting key metrics in an actionable format. Users can also create custom HTML5 dashboards that address the unique needs of IT and development teams.

Open, flexible architecture and APIs: CA UIM allows you to deploy, extend and automate monitoring to meet the needs of highly dynamic hybrid IT and storage environments.

Robust, predictive analytics: With CA UIM, you can leverage predictive analytics capabilities that help you proactively identify issues within the Pure Storage environment before the user experience suffers. The solution presents a prioritized list of problems that represent situations administrators should watch.

Performance trending: CA UIM allows you to analyze historical performance data for your Pure Storage environment so you can better predict upcoming problems, perform root cause analysis and plan for future demands.

Unified, multi-tenant solution: In addition to Pure Storage, CA UIM supports both traditional data centers and newer virtualization and cloud environments. The solution provides out-of-the-box support for more than 140 technologies, including OpenStack, AWS and many more, which eliminates the need to integrate and manage multiple monitoring tools.

Correlational analysis: With the solution's correlational analysis, you can identify and track relationships between performance variables and IT infrastructure elements and spot patterns over time.

SLA management: CA UIM features integrated capabilities that enable you to easily create reports and alarms on SLAs for your Pure Storage environment and the services running on them.

Intelligent alarms: CA UIM offers sophisticated alarm functionality that enables fast, effective response when issues arise. The solution features dynamic thresholds that minimize false alarms and improve staff productivity. CA UIM also offers granular, automated alarm routing policies and integrates with leading service desk systems.

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