

CA Unified Infrastructure Management for Flow Analysis



At a Glance

Network flow analysis provides visibility into the composition of network traffic across the infrastructure helping you fully understand how your networks are being used, so you can more intelligently manage priorities, resources and workloads. CA Unified Infrastructure Management (CA UIM, formerly CA Nimsoft Monitor) for Flow Analysis delivers the robust reporting, scalability and unified infrastructure coverage you need to harness the full potential benefit of the network flow data generated in your infrastructure. With the solution, you can easily track, analyze and act on network flow data, so you can optimize service levels and resource utilization.

Key Benefits/Results

- **Unified visibility** into network flow allows you to optimize the allocation of resources and workloads to boost application performance.
- **Ease-of-use** – Our “plug and play” probe architecture allows for on-demand delivery of monitoring services so you can quickly gain timely insight to detect and preempt security breaches.
- **Speed time-to-value** – You can install CA UIM and deploy monitoring to more than 100 servers in less than three minutes to more quickly troubleshoot and address issues.

Key Features

- **Highly scalable** – Can go from 100 to more than 100,000 devices to help you collect and manage network flow data from across your organization.
- **Customizable Dashboards and reports** – Configure service delivery information based on roles within the organization to gain insight into your network traffic through intuitive, powerful reporting capabilities.
- **Unified trending and root-cause analysis** – Quickly identifies and corrects problems across your entire IT infrastructure before they become performance issues.

Business Challenges

Your organization’s IP traffic represents the lifeblood of the organization, the transmission of data used to book orders, communicate, collaborate, conduct research and much more. That’s why tracking and analyzing network flow is so critical. With visibility into the flows of IP traffic, you can have the critical information your IT organization needs to understand, manage and optimize network and application service levels.

The importance of network flow is huge but the volume of data can be overwhelming. To maximize the utility of the data generated in your organization, you need a monitoring platform that can aggregate all flow data, while making it easy to filter and sort the information so it’s useful. Further, flow data needs to be assessed within the context of other monitoring data, including the status of devices and applications running in the network, to provide the cohesive insights required.

Solution Overview

CA UIM for Flow Analysis helps you leverage IP traffic information in your organization, so you can better understand usage patterns, manage workloads and resources and improve service levels. CA UIM makes it easy to visualize where the main network traffic flows are, assess performance data from different angles and drill down to get the specific data you need to make the most informed decisions.

With CA UIM, you can:

- **Optimize infrastructure performance.** Leverage powerful trending reports to more fully utilize existing resources, better allocate workloads and more effectively prepare for future requirements.
- **Speed troubleshooting.** With CA UIM, you get the timely alerts, comprehensive coverage, and detailed performance views that enable your team to more quickly spot and fix issues.
- **Boost security.** The solution provides the insights needed to detect the new influx of traffic associated with malware and DDOS attacks, identify unsecured communications and spot the large movements of data that can characterize security breaches.

Critical Differentiators

CA UIM uses a Message Bus Architecture as a core element that is streamlined, comprehensive and efficient. It enables all monitoring components to communicate with each other, without direct program-to-program connections and acts as an abstraction layer between the core system and the monitoring probes. This leads to significant improvements in reliability, scalability and development agility.

Robust alerting and reporting. CA UIM provides the reporting and alerting that helps you make the most of your flow data—offering these capabilities:

- **Flexible filtering.** With CA UIM, you can view top conversations on an interface as well as traffic by interface/host, interface/application, host/application and more.
- **Convenient alert delivery.** CA UIM makes it easy to set thresholds, and to receive alerts however you prefer, whether on your mobile device, via email or through SMS.

Scalability. CA UIM offers the scalability to collect network flow data from across your environment. Each CA UIM server and collector can retain up to 30 days of network flow data, providing you with the longer term information you need to spot trends and preempt potential issues.

Unified infrastructure coverage. With CA UIM, you get the coverage you need to not only track network flow data from a range of vendors—including Cisco, Juniper, Ericsson and 3Com/HP—but to monitor and manage the performance of the entire network ecosystem:

- **Network infrastructure.** CA UIM can track Cisco VoIP, QoS and IPSLA; network response; routers; switches and SNMP-compliant devices.
- **Root cause analysis (RCA) and topology management.** CA UIM can automatically create a topology of your network and provide intuitive, at-a-glance dashboards that enable fast analysis of network and system issues.
- **End-to-end response time monitoring.** CA UIM offers synthetic transaction capabilities that enable you to measure the end-to-end response times of a range

of transactions from the perspective of your end users.

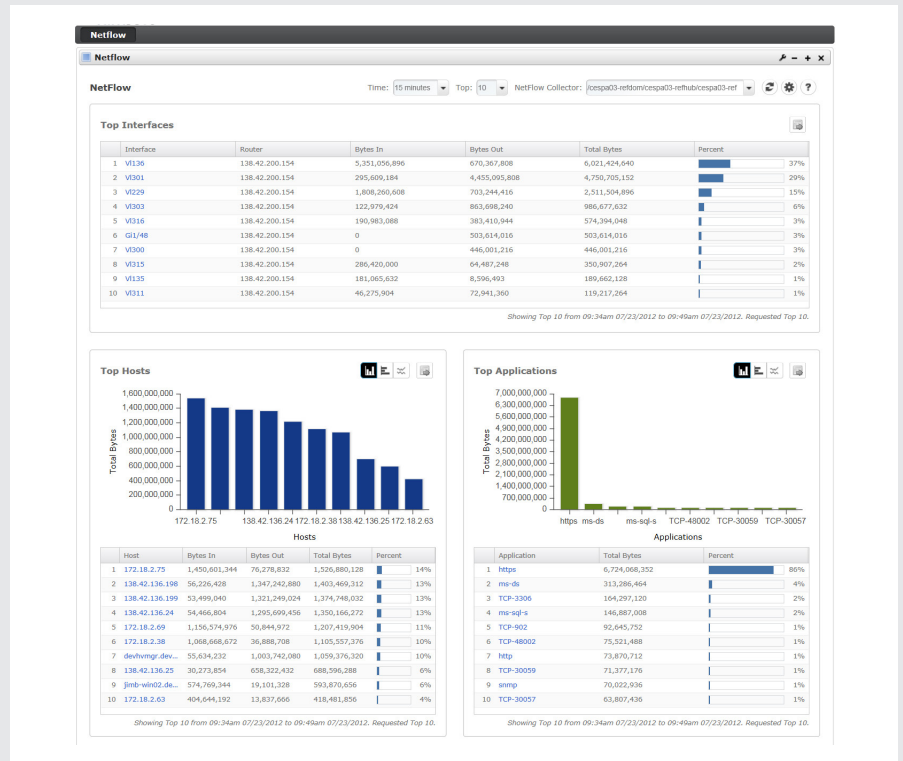
Supported Environments

CA UIM offers support for the following versions of flow data:

- NetFlow, versions 5, 7 and 9
- IP Flow Information Export (IPFIX)
- sFlow
- Jflow
- NetStream
- Cflow
- Rflow

For more information, please visit ca.com/uim

CA UIM delivers intuitive insights into network flow data.



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