



savvius Spotlight™

Network Monitoring Reimagined

Actionable real-time visibility into network performance issues:

- Designed for IT professionals to rapidly identify and solve network performance issues
- Real-time visibility of flows-of-interest in up to 20 Gbps of network traffic
- Flow metrics include network and application latency and TCP and VoIP quality
- Network mapping in an unlimited hierarchy
- See worst-performing flows globally, in network map segments, or by node
- Get instant visibility into traffic to or from any IP address
- Browser-based view of worst flows by all or individual metrics, flow counts, and flow lists.
- Simultaneous packet capture (Omnipliance Ultra).
- Full integration of flow view and packet forensics.
- Streaming analytics to Elasticsearch with custom Kibana dashboards for long-term views and baselining.

The Challenge

As networks get faster, workflows get slower. Traditional network monitoring products only tell you where to begin an investigation, not how to complete it. As an IT professional, you need to go from a broad view of your network to a pinpoint view of any traffic anywhere in mere seconds, drill into the associated packets, and view long-term baselines.

Solution

Savvius customers have been asking for real-time visibility that matches our strengths in forensic investigations. They wanted something that wasn't available before Savvius Spotlight™: the precision of packet-based analytics and the speed of flow-based monitoring, at the same time, at a reasonable cost.

To give our customers what they want, we had to rethink monitoring. We started by asking our users and various experts, internal and external, what they would want to know about their network. Their answer was clear and consistent: "tell me where the problems are and give me enough information that I can do something about them."

Savvius Spotlight significantly advances network problem-solving methodology by making real-time decisions that immediately expose the worst-performing parts of the network. Built-in visibility of "only the problem areas" allows Spotlight to quickly uncover the actual underlying data and events that caused a specific problem, greatly reducing the scope of, even avoiding, the ensuing forensics investigation.

Savvius Spotlight makes Savvius Omnipliance® into a comprehensive, fully integrated, one-box performance monitoring and investigation solution. Available on Savvius Omnipliance Ultra models T300, M200, and C100, Savvius Spotlight is also available as a high-performance standalone 1U appliance.

Reimagining network performance issue workflows

Imagine you are an IT professional responsible for a 10 Gbps network that sometimes exceeds a million active flows. View the next page for some of the many ways to use Savvius Spotlight to investigate performance issues on your network.

Is the issue with server or client? You received reports that a user at IP address 1.2.3.4 is having trouble with a server. You turn to Savvius Spotlight and do a search for IP address 1.2.3.4. In seconds, you are seeing analytically-evaluated traffic to and from that address in real-time. You click on one of the flows showing high latency and pivot to the associated server. Seeing all the server traffic in real time makes it clear where the problem lies.

Is our IT policy being violated? Your company policy is not to allow FTP traffic across the network. You want to check if anyone is violating this policy. In Savvius Spotlight, you click the Filters button, select FTP, and within a few seconds, you see a list of the FTP-protocol flows out of hundreds of thousands currently active.

What is causing application delays in foreign countries? Your network users in Germany are complaining about application delays. You've defined the German network in the Savvius Spotlight network map, so you select it, and within a few seconds, you're seeing that there is, indeed, a lot of application latency. One click takes you to the flows with worst application latency for each of six areas in Germany. The Bavaria region clearly has an issue. One more click, and it is clear which server in your Munich data center is causing a problem.

Why is VoIP call quality poor? The VoIP quality on your network is bad, with calls full of static and calls that are frequently dropped unexpectedly. You set an alarm in Savvius Spotlight to monitor VoIP traffic and go to lunch. You come back, review the alarm log, and see an alarm was triggered about 20 minutes ago. So, you rewind to the time on the alarm and see the flows. You click the Investigate button to retrieve the appropriate packets and save them to a PCAP file. You open the PCAP file with Omnippeek and see everything you could want to know about the VoIP alarm triggered in Savvius Spotlight.

Is there rogue traffic on seldom-used ports? You suspect rogue traffic is occurring on a seldom used port on your network. In Savvius Spotlight, you search for all traffic on that port and see that there is a lot of it. You drill down further and find that someone is unscrupulously accessing your network, requiring you to take immediate action! Who is this intruder, and what damage has he or she done?

Learning from long-term reporting You've set up various areas of interest for monitoring and long-term reporting, including an entire country, an office, a state, and headquarters' executive offices. For each area, you're pumping analytics on the 100 or so flows with the worst latencies, quality, utilization, etc., to an ELK server every five seconds. Trending on this makes it clear that you've got some capacity planning to do. It is fortunate that the executive offices are continuing to get great VoIP performance!

About Savvius

Savvius offers a range of powerful software and appliance products that provide unparalleled visibility for rapid resolution of network performance problems and security investigations. Savvius products are trusted by network and security professionals at over 6,000 companies in 60 countries around the world. Visit <https://www.savvius.com/> for information about Savvius Omnipliance®, Savvius Omnipliance Ultra™, Savvius Omnippeek®, Savvius Spotlight™, Savvius Vigil™, and Savvius Insight™, and to learn about Savvius technology and channel partners.

Learn more about Savvius Spotlight

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