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# Monitoring and Troubleshooting Remote Office Networks with Savvius Insight

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Enterprise networks and the IT personnel who manage them have never been busier. Today's networks are more distributed and connected to more devices than ever before—everything from desktop systems to tablets to wearables to IoT sensors. Applications and services are scattered across data centers and third-party cloud providers, and just about every critical business function—from traditional ERP applications to video-based training—is running on the network.

With the internet and network hardware being such essential commodities, the corporate network can easily extend to hundreds or even thousands of remote locations. This creates a unique challenge for those responsible for keeping it secure and running at peak performance with minimal downtime. Networks, and those who run them, need a remote monitoring and troubleshooting solution to keep IT costs down and enterprise productivity up.

## Savvius Insight: Real-Time Enterprise-Class Network Monitoring for Smaller Networks

Savvius Insight™ is a compact, quad-core, six-port, mini network appliance that has no fan or other moving parts, and fits easily into a wiring closet. It includes bridge ports for monitoring the location's Internet connection, and three additional ports for monitoring internal networks. Savvius Insight provides built-in long-term reporting and web-based dashboards for analyzing and displaying network statistics over long periods. Savvius Insight can also be used for packet level network and application troubleshooting by connecting directly to it with Savvius Omnipeek®. By installing Savvius Insight in each remote office, network administrators can easily and affordably gain insight into the performance and security of the network and applications at all locations under management. Savvius Insight makes enterprise-class network analytics available in areas that have been under-served until now.



**SAVVIVUS INSIGHT (177 x 44 x 145.5 mm)**

### Customer Use Cases

#### Remote Office Networks

In large corporate networks, Savvius Insight complements larger Savvius monitoring appliances in areas of the network with lower utilization, where you often don't have good visibility. In these situations, help desk team members can use Savvius Insight for 24x7 monitoring of the health of remote networks with powerful, customizable, and easy to use web-based dashboards. When problems are identified that require packet level troubleshooting, protocol analysts in the TAC team can use Savvius Omnipeek network analysis software to connect directly to the devices and perform packet capture and packet-level analysis. Savvius Insight can also be used to perform multi-segment analysis with larger Savvius appliances.

#### Managed Service Providers (MSPs)

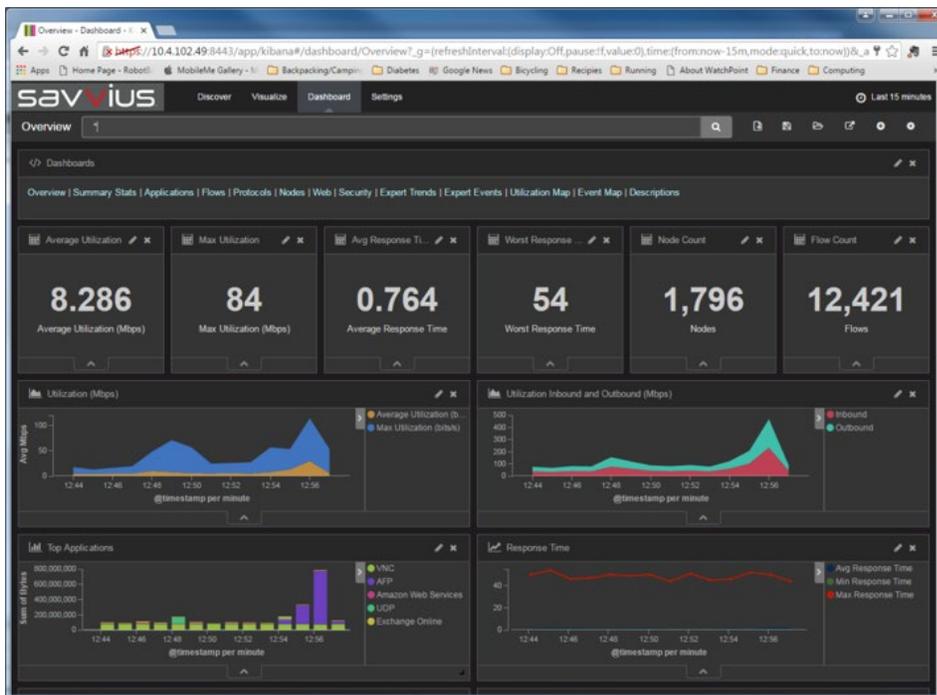
Savvius Insight is also perfect for managed IT service providers. Managed Service Providers manage networks and IT infrastructure for clients, typically with 5-50 employees per client. Savvius Insight lets Managed Service Providers decrease Mean Time To Resolution (MTTR) for customers and increase their awareness of when problems are brewing, while at the same time reducing costs. To accomplish this, Managed Service Providers install Savvius Insight at each customer location. Managed Service Providers can log into each of the systems at any time to see the current status of the client's networks. Managed Service Providers can also define alarms and alerts on key performance indicators (KPIs) and have notifications sent each time an alert is triggered. If a problem is detected or an alert is received, the IT service provider can connect quickly to see what the problem is.

## Small Businesses

Savvius Insight is well suited for small offices that outsource IT management, like accountants, insurance agents, and medical professionals. They have one shared IT manager who spends too much time going from office to office to address typical networking problems, like a slow network or users having trouble connecting. The IT manager needs remote visibility into each office, as well as historical data for comparisons when issues arise. With Savvius Insight installed at each office, the IT manager can track all offices from a single location, using Insight's built-in long-term network monitoring capabilities, and Savvius Omnipeek for Savvius Insight for network troubleshooting. By reviewing collected data, the IT manager can determine the source of most problems in near real-time, and perform quick daily audits to assure overall reliability and user satisfaction in each office.

## Using Savvius Insight for Long-Term Reporting

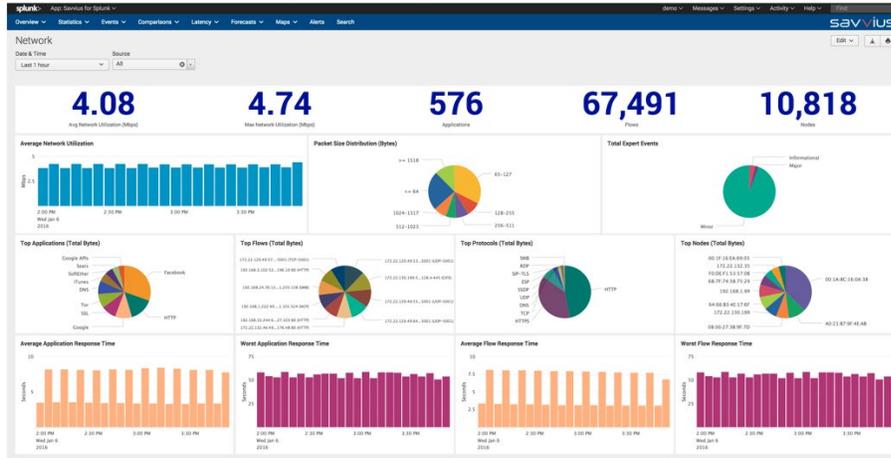
When you connect Savvius Insight to your network it immediately begins collecting network statistics for long-term reporting and trending. Searching for and analyzing data is extremely easy using the built-in dashboards. Customize these dashboards to analyze your data intelligently, perform mathematical transformations, and slice and dice your data as you see fit.



Because ELK is the technology behind the integrated long-term reporting capability included with Savvius Insight, it can be configured to send its data directly to a remote ELK server. This allows for longer term reporting and centralized aggregation of data from multiple Savvius Insight appliances to monitor all of your remote networks that have Savvius Insight on them.

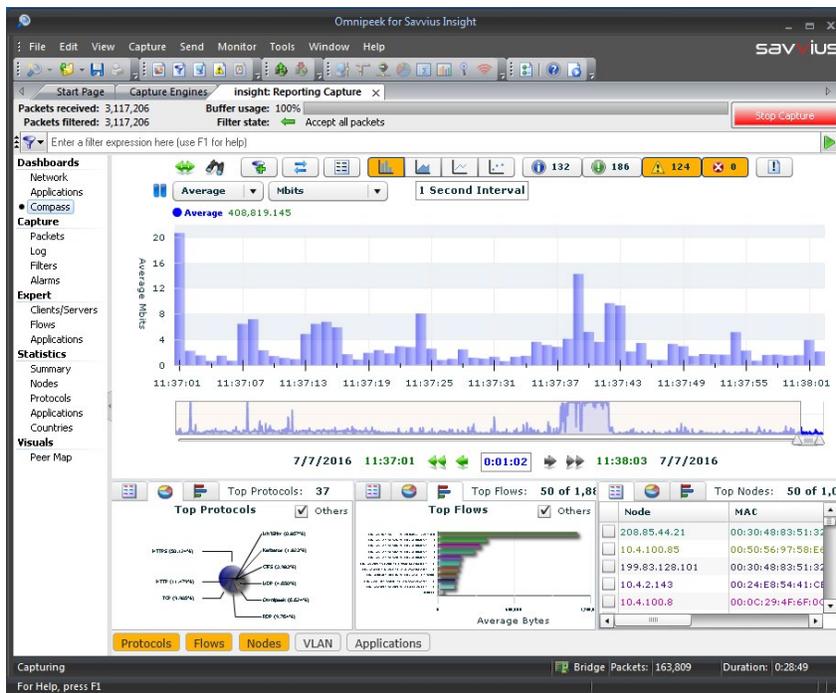
## Using Savvius Insight and Splunk

Splunk® is a powerful platform that lets you look closely at the data coming from Savvius Insight. Savvius Insight includes a Splunk Forwarder that can be enabled to send data to a remote Splunk Server. To view the Savvius Insight data in the Splunk Server, Savvius has developed dashboards for Splunk that can be downloaded from [splunkbase.com](http://splunkbase.com). The dashboards are completely web-based and can be customized and extended in many ways.



## Using Savvius Insight and Savvius OmnipEEK

A version of Savvius OmnipEEK software called OmnipEEK for Savvius Insight is available for download for users of Savvius Insight. You can use OmnipEEK for Savvius Insight to start packet captures, and to analyze packet files that are captured and saved on Savvius Insight. OmnipEEK for Savvius Insight is installed on a Windows computer that has network access to the Savvius Insight appliance.



Here are some of the strategic ways to get started with Omnippeek for Savvius Insight:

- **Start a Capture:** Capture and analyze network packet data in real-time, and record data for post-capture analysis from one or more Savvius Insight appliances installed on the network. You can view a capture in real-time, or save it to disk for later analysis.
- **View the Dashboards:** The Compass dashboard is an interactive forensics tool that displays network use over time, including statistics for protocols, nodes, flows, VLANs, and applications. You can review a single supported capture file, or multiple capture files aggregated within the Compass workspace. Other dashboards, such as Timeline, Network, and Applications, display graphical data about your network summarized into easy-to-read displays.
- **View the Experts:** The Expert views provide expert analysis of response time, throughput, and network applications in a flow-centered view of captured traffic. Expert views also provide details of every transaction, noting any events encountered in individual conversations or flows. You can drill down in Expert views to select the packets associated with a particular event or with any conversation.
- **View the Packets:** Access to packets, the units of data carried on the network, is the basis for all higher-level network analysis. When troubleshooting network problems, you need to be able to drill down into the packets themselves to look at their individual decodes, and to use the packets captured into the buffer as the foundation for expert and statistical analysis.

## Conclusion

To keep remote offices operating smoothly and securely, IT teams need best-in-class solutions for monitoring, analyzing, and troubleshooting remote networks.

Savvius Insight, featuring web-based long-term reporting using ELK or Splunk technology, award-winning Savvius Omnippeek network analysis software, and best-in-class network recording and forensics tools, provides a powerful, economical network visibility and management solution for remote offices and other locations at the network edge.

Whether you need a solution for a single remote office or hundreds of remote locations, you can trust Savvius Insight to provide the network visibility and analytical insights you need to keep networks and applications performing at their best.

## Learn more about Savvius Insight

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