

Sycope + Profitap Solution brief



Challenges



The rapid growth and complexity of IT environments and the deployment of new security tools have significantly enhanced network protection against cyber attacks. However, these advancements also underscore the need for IT security teams to continuously adapt, remain vigilant, and enhance their capabilities in response to the ever-evolving cybersecurity landscape.

However, in a dynamic network environment with many business-critical applications running, it can be difficult for organizations to keep an overview of their entire architecture, without leaving any blindspots.

Capturing network data for monitoring and security purposes without the proper tools, can result in incomplete data and analysis. Besides the need for tools that deliver reliable data, these tools also need to be secure themselves to ensure network security is not compromised by a new tool.

By staying ahead of emerging threats, leveraging advanced tools, and fostering a comprehensive understanding of the security-visibility relationship, IT security teams can effectively mitigate risks and safeguard their organizations against cyber threats.

Sycope and Profitap's joint solution help monitor and respond to events confidently, knowing you're seeing all the network traffic.

The Solution

Profitap Network TAPs offer enhanced network visibility, empowering organizations to gain critical insights into their network infrastructure. By seamlessly delivering the required traffic to Sycope's advanced security and monitoring tools, the joint solution enables precise analysis of specific network traffic. This approach ensures comprehensive network visibility and robust network security, empowering organizations to effectively detect and address potential threats.

Sycope provides network traffic monitoring and security, using real-time flow analysis with business context to improve performance and secure IT infrastructure. It records, processes, and analyzes all flow parameters, including SNMP, geolocation, and security feeds, to transform data into meaningful insights, detect network events and issues, measure delays, and identify security threats.

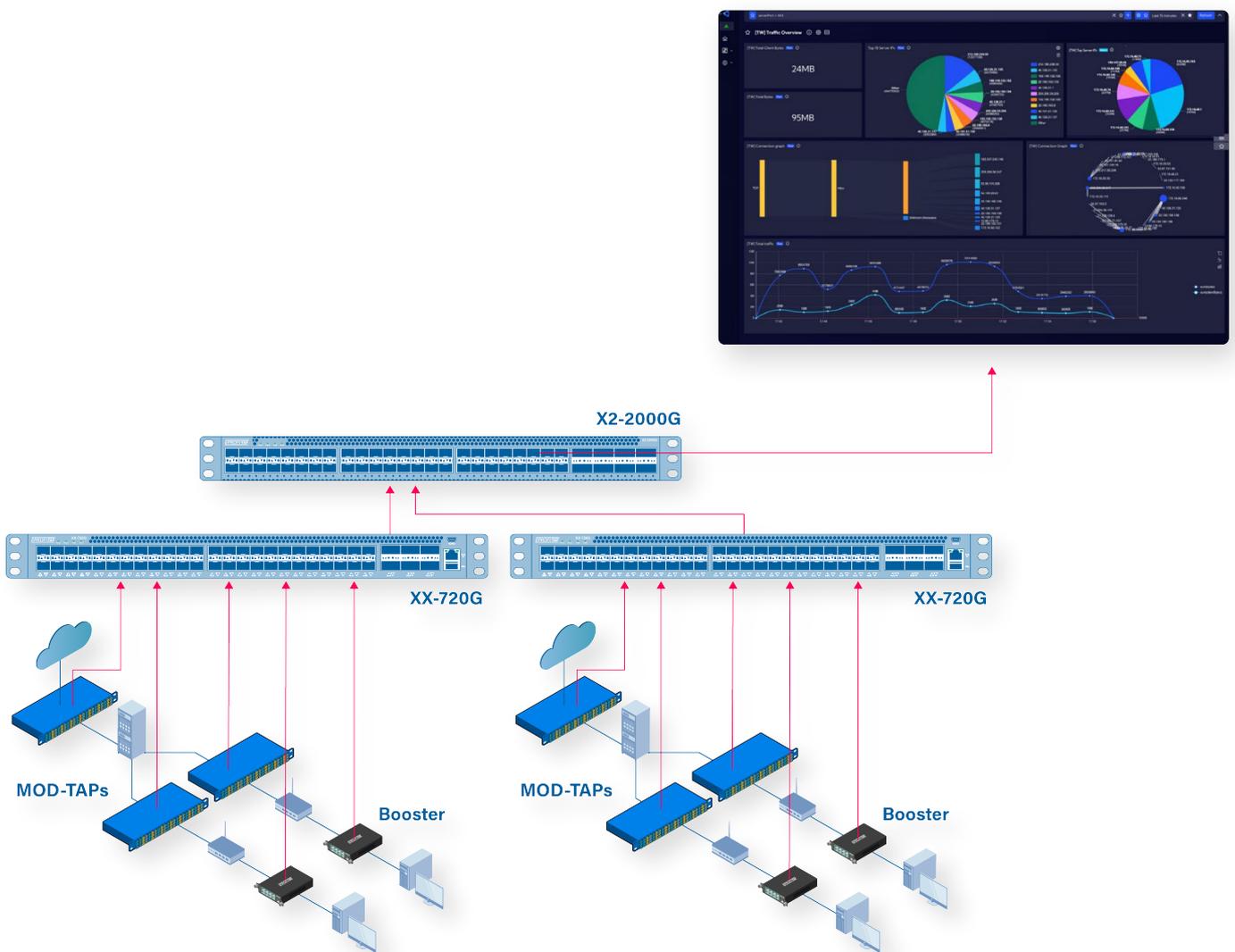
Profitap's innovative data center Network TAPs and Packet Brokers complement Sycope's high-end technology by providing all the data it needs for a complete and accurate analysis, without impacting the operational traffic. Their TAP solutions are fail-safe, and completely transparent to the network.

With direct access to reliable data, network admins can monitor what's happening over the network in real-time and choose what data will be analyzed to better prevent and uncover potential threats crossing the network.

With the help of Profitap's innovative Copper TAPs and modular Fiber Optic TAPs, these next-generation solutions monitor all the traffic you put through them. After passing network Test Access Points, the monitored data is then filtered, aggregated, and optimized in real-time with the help of Profitap's latest Network Packet Brokers and then sent to a SycopE Probe.

The SycopE Probe measures server network time, client network time, initial server response time, client retransmissions, and server retransmissions, in terms of Bytes, Packets, and % of Packets.

The Collector searches for critical traffic patterns and informs the Network administrator about possible security incidents and any unwanted traffic.



Main Benefits



- Seamlessly deployable, offering flexibility and scalability to cater to diverse network requirements
- Deep Packet Inspection (DPI) enables real-time detection of applications at the L7 layer
- Network team empowered to swiftly respond to network incidents
- Comprehensive awareness of all events occurring within the IT network
- Capture and analyze real-time network traffic efficiently by leveraging Network TAPs and directing crucial data to Syclope's advanced analysis solutions through Profitap NPBs
- Enhance network security with cutting-edge tools, such as Syclope's top-tier visibility, performance, and security solutions
- Optimize the performance of monitoring tools while ensuring analysis of critical network traffic

Profitap Network TAPs	Profitap Network Packet Brokers	Syclope Platform
<ul style="list-style-type: none"> • Non-intrusive in-line network access to ALL data • Permanent network link guaranteed • Passive, unpowered (Fiber) • Protect network link availability for in-line security tools • Deliver lossless traffic aggregation from multiple in-line links or out-of-band connections (Booster) 	<ul style="list-style-type: none"> • High throughput • Traffic optimization (Aggregation, Load Balancing, Filtering, Timestamping, Deduplication, SSL/TLS Decryption, etc.) • Flow aware load balancing across multiple devices • Centralized control 	<ul style="list-style-type: none"> • NetFlow data analysis for network and security monitoring • Vendorless monitoring – compatible with all Flow standards like NetFlow, IPFIX, jFlow, sFlow etc. • Data storage, analysis, visualization and reporting • Reducing TCO of network observability • For networks of any size

About Syclope

Syclope is focused on designing and developing highly specialized IT solutions for monitoring and improving network performance. Our solutions were created and developed by engineers, who have been working on the issues of network performance, application efficiency and IT security for over 20 years. They created a network monitoring tool using real-time flow analysis, enriched with business context to help businesses assess performance and protect IT infrastructure. As Syclope we transform data into actionable insights, giving you answers not only data. For More information, visit www.syclope.com

About Profitap

Profitap develops and manufactures hard- and software solutions that drive network visibility and analytics on all traffic across physical and virtual infrastructures. These network visibility solutions are designed with the security, forensics, deep packet capture, and network & application performance monitoring sectors in mind.

Profitap network solutions help eliminate network downtime, add security to existing and new networks all over the world, assist in lawful interception applications and reduce network complexity. All of Profitap's network monitoring tools are highly performant, secure and user-friendly, and provide complete visibility and access to your network, 24/7.

As experts in the field, Profitap products set new standards in an industry where the definition of excellence is constantly being challenged. With more than 1,000 clients from 55 countries, Profitap has become a must-have partner, many of which are among Fortune 500 companies.