

[At-A-Glance]

SEVONE ENTERPRISE WI-FI MONITORING SOLUTION:

The days of “best effort” for enterprise Wi-Fi networks are ending. With Wi-Fi technologies like 802.11ac providing higher bandwidth speeds, combined with user dependency on their Wi-Fi enabled laptops, tablets and smartphones, enterprise operations and engineering teams are challenged to deliver the same level of service as legacy wired Ethernet ports to thousands of simultaneous connected Wi-Fi devices across an enterprise campus.

The SevOne Enterprise Wi-Fi Monitoring Solution provides complete visibility for Cisco Aironet and Aruba-based Wi-Fi infrastructure. This integrated offering enables enterprise operations and engineering teams to ensure user experience from the wireless device into the wireless infrastructure, and through the campus network to the datacenter and cloud-based services and applications.



INTUITIVE.

Intuitive dashboards depict both your enterprise Wi-Fi and campus network status historically and in real-time

PROACTIVE.

Proactive identification of Wi-Fi performance-affecting behaviors, coverage and capacity

AUTOMATED.

Automated insight into service quality of your wireless and wired infrastructure

HOW CAN SEVONE HELP WITH ENTERPRISE WI-FI MONITORING?

As enterprise users become more dependent on Wi-Fi as their primary mode of enterprise network access, network operations and engineering teams are challenged to deliver a level of service consistent with the legacy wired Ethernet network. As they manage this transition, these teams face a series of pain points:

- **Not meeting expectations on critical business services across the wireless and wired infrastructure**
- **Inability to understand historical per user quality across one or multiple access points**
- **No access to historical wireless access point load and signal quality data**
- **Difficulty understanding the current administrative and operational status of access points**
- **Unable to report on rogue access points**
- **Inability to identify reasons for service delivery outages**
- **Unable to prove the level of service that is being delivered**
- **Lack of confidence in their ability to support the wireless needs of their enterprise**
- **Increased duration of and number of outages**
- **Negative financial and brand impact**
- **Resources re-prioritized from projects to fire-fighting**
- **Degraded and/or inconsistent Wi-Fi service delivery**

To address these issues, the SevOne Enterprise Wi-Fi Monitoring Solution enables:

- **Automated insight into service quality from wireless devices to the datacenter and cloud-based services and applications**
- **Confidence to deploy a Wi-Fi “First” type initiative**
- **Proactive identification of Wi-Fi performance-affecting behaviors, coverage and capacity**
- **Operational insights into Wi-Fi events that trigger performance, capacity and coverage affecting behaviors**
- **Troubleshooting and maintaining Wi-Fi service levels**
- **Understanding what traffic was flowing through Wi-Fi interfaces at what time to identify how traffic behaviors impact users and applications**
- **Baseline user experience across your Wi-Fi and corporate network so you can immediately understand deviations from normal**
- **Easy access to up to years worth of individual wi-fi station metrics in time-sequenced, “Breadcrumbs Trail” dashboard to ease troubleshooting of historical wi-fi issues**
- **Ability to visualize and discover the hot-spots for selected AP and chosen indicator through heatmaps, and identify time-specific trends within the network**

WHAT KEY PERFORMANCE INDICATORS MATTER AND WHY?

WIRELESS COMPONENT	KEY PERFORMANCE INDICATORS
Wi-Fi Client	<p>Wi-Fi Client List: By device, manufacturer & OS, radio type, channel & AP association, current signal quality</p> <p>Logs: Identify driver negotiation errors</p> <p>DNS/DHCP: Service status and availability</p>
Wireless Access Point (AP)	<p>Antenna: Per antenna channel performance: utilization, interference, physical and mac layer errors</p> <p>Connection Utilization: Baseline access point utilization over a day, week, month</p> <p>PoE Connection: Baseline wired PoE connection</p> <p>Channel Management: Understand wireless baseline against full spectrum and channel design plan.</p> <p>SSID Management: Understand how SSIDs are used, configured and optimized, including beacon time, data rates, low/unused legacy frequencies (802.11b)</p> <p>Power Levels: Monitor, report and optimize power levels against physical coverage areas</p>
Wireless LAN Controller (WLC)	<p>WLC Network Egress/Ingress: Baseline and alert on traffic on flow data, QoS and link utilization</p> <p>WLC/End Points: Leverage flow data to know what end points are accessing the network and what QoS is being applied to what traffic types</p> <p>AP/End Point Health: Analyze log data for visibility to AP and end point health</p>

WI-FI MONITORING SOLUTION STARTER KIT

To help network operations and engineering teams offer the same level of service as legacy wired Ethernet ports to thousands of simultaneous connected Wi-Fi devices across an enterprise campus, SevOne is now offering the SevOne Wi-Fi Monitoring Solution Starter Kit.

Delivered as a single integrated package, this starter kit contains the SevOne software to monitor up to 10,000 Wi-Fi endpoints plus the access points and wireless controllers supporting your Wi-Fi deployment. Actual coverage may vary based on your specific Wi-Fi implementation. This starter kit can be easily extended for complete visibility of larger Wi-Fi deployments and other networking and network services devices throughout your campus and branch office network.

PROFESSIONAL SERVICES, SUPPORT AND TRAINING

SevOne offers a complete set of services to help your organization make the most of your Enterprise Wi-Fi Monitoring investment, including:

- **QuickStart for SevOne Wi-Fi Monitoring Solution Starter Kit**
Ensure your SevOne Wi-Fi Monitoring Solution Starter Kit is successfully implemented to meet your requirements
- **Post Implementation Services**
Engage with SevOne Professional Services for the life cycle of your project with a range of Business and Platform Optimization Services
- **Custom Integration**
Integration with your existing tools and solutions based on customer specific requirements
- **Gold and Platinum Maintenance**
A full suite of services from eSupport, Software Updates, 7x24 Technical Customer Assistance, 10-Day New Device and Log Certifications and more
- **Customer Training**
Increase your team's effectiveness and on-going success with customer training sessions led by SevOne experts

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