



Why Consider Sniffer Global for your Portable Network Analyzer?

Sniffer Global Analyzer is the industry's first enterprise-class, portable network analyzer. It provides network managers, field technicians and engineers with software to perform on-demand monitoring, packet capture and troubleshooting for wired and wireless network segments—all within a secure environment with true enterprise-class control. It also integrates with the Cisco® 3300 Series Mobility Services Engine (MSE) to provide location-based intelligence, accelerating problem resolution in wireless environments. Sniffer Global is available in a 10-user and unlimited user license version, making it the ideal tool for rapid response to network and application issues across worldwide organizations.

What Problems does Sniffer Global Help Solve?

IT organizations use the Sniffer Global analyzer to troubleshoot wired and wireless network segments in remote or branch office locations or other temporary sites—in addition to field issues on any corporate campus.

Unlike other portable protocol analyzers, which give users full, uncontrolled access to network traffic traversing the wire—a potentially huge security problem—Sniffer Global contains unique, policy-based access that governs how and what a user can manage on the network. Users must authenticate before gaining access to specific functions within the tool, and all activity is monitored. This helps prevent unauthorized access to sensitive data contained in packet payloads.

Sniffer Global can be used to:

- Eliminate the security gap opened by other network analyzers
- Rapidly identify network and application performance issues over wired and wireless networks
- Deploy and troubleshoot new technologies, applications or services—in production and prior to roll-out
- Manage and confirm infrastructure changes

- Analyze and validate security threats on wired and wireless network links as well as the wireless control infrastructure
- Quickly identify the location of wireless devices creating or experiencing application or network performance issues, when integrated with the Cisco MSE

While wireless networks require specific management solutions to properly understand and maintain optimal service, organizations do not want another siloed software tool. Sniffer Global provides in-depth troubleshooting for wireless and wired environments and is built on industry-leading, field-proven Sniffer technology.

Complicating the management of wireless environments is the fact that users, devices and problems are always in motion, making the task of pinpointing problem origin even more challenging. Sniffer Global uses wireless device location information from the Cisco 3300 Series MSE to accelerate time-to-knowledge of performance problems and to speed resolution.

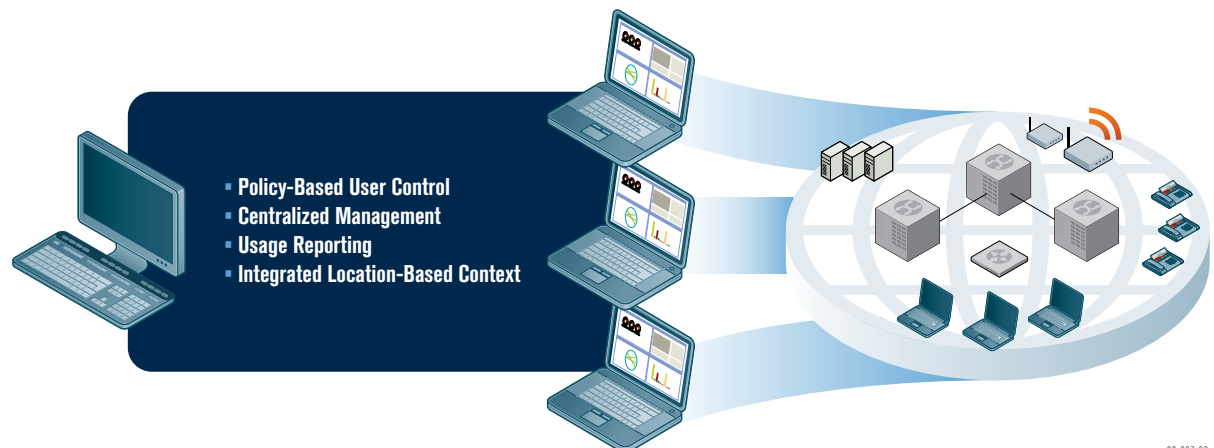
What are the Benefits of Using Sniffer Global?

Sniffer Global provides visibility into performance issues in wired and wireless environments to simplify troubleshooting in the field. A one-stop solution for enterprises currently using or expecting to implement a converged wired and wireless network, its comprehensive capabilities enables faster problem resolution, helping restore peak performance and assure service delivery—while also reducing the need for multiple point tools for wired and wireless networks.

In addition, Sniffer Global:

- Ensures compliance to corporate policies with centralized usage controls that limit who can access sensitive data using the software-based client application
- Protects the integrity and security of corporate information with centralized user authentication by integrating with popular external authentication products, including Windows Domain, LDAP, RADIUS, and TACACS+

Figure 1. Sniffer Global is the only portable network analyzer for wireless and wired networks that provides centralized management, security and control.





- Enables auditing of tool usage with online and offline user activity tracking and reporting
- Accelerates problem resolution in wireless networks through integration with the Cisco MSE, displaying physical location of wireless devices in context with relevant wireless performances metrics
- Reduces the cost of managing IT operations and simplifies administration with centralized license, upgrade and patch management

Sniffer Global Analyzer

The Sniffer Global application provides the same great troubleshooting and analysis functionality as Sniffer Portable Professional, but also includes a central server for added security and management controls. Sniffer Global is available as an unlimited enterprise license or a 10-user license for simple, cost-effective worldwide deployment and flexibility.

Unique management capabilities of the Sniffer Global server include:

- **Centralized usage controls** on a per-user/per-role basis to ensure compliance by limiting who can access sensitive data using the software-based client application
- **Policy-based user authentication** to avoid compromising network or application security
- **Online and offline user activity tracking** and reporting to enable better auditing
- **Integration with the Cisco MSE** to display physical location of wireless devices in context with relevant wireless performances metrics
- **Centralized license, upgrade and patch management** to ensure consistency and transparency across multiple IT audiences and geographies

Analyzer capabilities of the Sniffer Global application include:

- **On-demand monitoring** of network and application statistics for 10/100/1000 Ethernet and wireless 802.11 a/b/g/n network segments
- **On-demand and post-capture decode** of more than 500 protocols, including popular VoIP, wireless, financial and mobile protocols

- **Rich Expert analysis** quickly identifies errors during packet-level analysis
- **Filters and event triggers** quickly isolate and identify network problems
- **Robust alarming** enables preemptive monitoring of wired and wireless security and performance issues

Wireless Network Analysis and Troubleshooting

In addition to monitoring wired networks, Sniffer Global provides full visibility into the performance and security of wireless environments, with advanced features such as:

- **Wi-Fi device list** inventories all 802.11a, 11b, 11g and 11n devices operating in the wireless environment
- **Wireless decodes** for 802.11a/b/g/n + 802.11e/h
- **Wi-Fi traffic stats** and detailed wireless packet and frame analysis provide indication of user experience
- **Encryption monitoring** of WEP, WPA-PSK, WPA-Enterprise, WPA2-PSK, WPA-Enterprise and decryption support for static WEP, WPA-PSK & WPA2-PSK
- **Detection of rogue** access points and clients, facilitating identification of potential security issues

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