Zebra NSight™ Platform

ADVANCED NETWORK VISIBILITY, SERVICE ASSURANCE AND ANALYTICS PLATFORM FOR ZEBRA WING 5.8+ WIRELESS LANS

The wireless LAN has become a crucial key to business success, providing the real-time data that streamlines everyday business processes, improves customer service and reduces the opportunity for errors that can result in reduced profitability, lost sales and lost customers. In order to achieve the level of reliability you require, you need to understand the state of the health of your network at all times. You need the right information to troubleshoot and resolve issues. And you need information to properly budget and plan for network expansion as needed to maintain peak wireless performance as you add users and applications. The Zebra NSight platform delivers it all. The Zebra NSight platform provides the real-time insight into your WLAN operations you need to protect this vital business artery and the business critical data it carries, every day of the year. This flexible management software allows you to access the wealth of information collected by Zebra's WiNG operating system and visualize it through a single-pane-of-glass easy-to-use browser interface, either in real time or over a time period of your choosing for easy trend analysis — regardless of whether you have one or more controller clusters distributed across multiple data centers. Get more value out of your WLAN management data — with the Zebra NSight platform, only from Zebra® Technologies.

Custom dashboards provide the right set of information for anyone in your organization

Different roles in the organization need different types of information about the WLAN. Now, you can create a custom dashboard to put that information at their fingertips, anywhere and anytime. You can give helpdesk teams access to operational analytics to assist in day-to-day network troubleshooting and issue resolution. You can provide a CIO with a real-time window into trending data for a three month period to assist in WLAN planning and budgeting. And no matter how complex the information may be, the Zebra NSight platform visualizations make it easy to read and easy to digest.

Zebra NSight Platform Features:

- Visualizing network statistics and events — simplified and unified network views based on user's role
- Custom live updating dashboards for every role
- Wellness of WLAN services, based on identified SLA baseline levels
- Automation of proactive and reactive network problem remediation
- Live troubleshooting tools — packet capture, wireless debug logs, TCP/IP ping and traceroute
- Interactive floor maps with timeline view to visualize and identify issues and problem areas
- Real-time and historic trend analysis to simplify network growth planning
- Exceptionally responsive interface — virtually any information is just a few clicks away
- Powered by cloud technologies — built-to-scale

Flexible reports

With our pre-defined system reports, you can view crucial WLAN information as soon as you install the software. You can customize these reports to suit the needs of various users, able to select what data is presented, when the report should be run — such as every Monday, monthly or on demand — and how to deliver the report. Pre-defined reports include RF Health, which helps instantly identify areas of your WLAN that may be under-performing and may require tuning; PCI, which creates a complete audit of conformance to PCI requirements; Device Type/Firmware; Device Summary; Client Inventory and Network Usage.

Powerful interactive maps for easy network visualization and management

You can see all your sites in Google Maps, with quick links to snapshots of key metrics. With another click, you can view a site floor map to see all the access points in a specific location, and drill down to view the details of a specific access point. For example, you can select the Channel from the RF attributes to instantly see if channels are optimally distributed and if there are any interference issues.

Key Zebra NSight Platform Capabilities

Wi-Fi Analytics

The Zebra NSight platform brings a new level of breadth and depth to WLAN analytics by allowing you to easily leverage the massive amount of data that Zebra's WLAN infrastructure collects at very granular time intervals — such as device health, bandwidth usage, application usage and performance metrics. Now, it's easy to monitor and analyze the most complex wireless scenarios, as well as compare current and historical usage and performance patterns to uncover trends and plan for future expansion of your WLAN.

Network Visibility

The Zebra NSight platform provides the network visibility you seek with just a few clicks, creating an unparalleled responsive user interface that allows instant visualization of your network at every level — from the site level to a specific access point or client device. Within seconds, you can view site wide data, such as the number of users, network usage, throughput and application usage. With a click, you can drill down to view a wide variety of metrics for a specific access point to help diagnose and resolve an issue, such as RF parameters, channel utilization, error rates and retry rates.

Application Visibility

The Deep Packet Inspection (DPI) engine embedded in our WiNG OS examines every flow of every user at the access point, detecting and identifying thousands of applications in real time and reporting the information to the Zebra NSight platform. The result is real-time visibility and in-depth insight into every dimension of the network, including Layer-7 application visibility, client devices, device and OS types and users. At a glance, you can see the top applications by usage or by count at every level — from site to access points and client devices. In addition, your firewall and QOS policies can leverage the application context to enforce policies. With this intelligence, you can improve the overall performance of the WLAN network and protect workforce productivity by prioritizing business critical applications and blocking others based on the IT policy.

Deployment Flexibility

To meet the needs of any size enterprise, there are two ways to deploy the Zebra NSight platform. You can deploy it on an individual Zebra NX Series (NX 95xx/NX 96xx) or VX 9000 controller, or you can deploy Zebra NSight in standalone server instance to aggregate data from multiple controllers. NSight then becomes a manager of managers, providing a single-pane-of-glass interface to collect and visualize network usage as well as performance and troubleshooting data from all your sites. In standalone server mode on an NX Series controller (NX 95xx/NX 96xx), Zebra NSight can support up to 10,000 access points. If your network is larger, you can deploy Zebra NSight in standalone server mode on a VX 9000 to

Zebra NSight Platform Benefits:

- Faster resolution for service desk responses
- Minimize escalations to network engineers
- Easy to use interface — practically no training required
- Improves efficiency for network engineers and reduces site visits through remote diagnostic tools
- Improve network security through rogue monitoring and PCI reporting
- Improve planning to meet performance and capacity requirements through historical trends and reports

monitor and manage over 50,000 access points. So no matter how large your network is today, you can count on Zebra NSight to provide the wireless LAN insights you need tomorrow.

Reporting and Troubleshooting

The Zebra NSight platform's unique interactive graphical interface makes it easier than ever to access the exact data needed for faster troubleshooting and issue resolution. The comprehensive feature set allows you to easily access and view all the layers of needed information in a single pane of glass.

You no longer need to log in and out of individual access points. Instead, you can create a custom dashboard on the fly to collect and view the metrics you want from access points and their client devices, over any period of time — all with just a few clicks. While viewing the access point or client details page, you can launch the Zebra NSight platform's event log browser and apply filters to see the recent events related to a specific access point or client device. The result? The ability to drill down into the specific detailed information you need to address network issues and restore performance levels in record time.

The Zebra NSight platform browser-based interface makes it easy to access the Zebra NSight platform's complete set of powerful troubleshooting tools, including:

- **Packet Capture.** This feature-rich tool allows you to select what you want to capture, including wireless and wired network traffic, your desired filters and whether to display the results or store results in a file that can be shared with peers or the escalation support team.

- **Wireless Debug Log Access.** Easily obtain detailed information that can reveal 802.11 protocol-level errors that may be occurring, yet not reported at other levels in the debug log.

- **Event Log Browser.** Access the event log through the Zebra NSight platform's browser-based interface to view events over a time period you select for a specific access point or mobile client device.

ZEBRA NSIGHT PLATFORM — THE EASY WAY TO KEEP YOUR WIRELESS LAN UP AND RUNNING AT PEAK PERFORMANCE. FOR MORE INFORMATION, VISIT WWW.ZEBRA.COM/ZEBRANSIGHT OR ACCESS OUR GLOBAL CONTACT DIRECTORY AT WWW.ZEBRA.COM/CONTACT

ZEBRA

NA and Corporate Headquarters
+1 800 423 0442
inquiry4@zebra.com

Asia-Pacific Headquarters
+65 6858 0722
contact.apac@zebra.com

EMEA Headquarters
zebra.com/locations
mseurope@zebra.com

Latin America Headquarters
+1 847 955 2283
la.contactme@zebra.com