



ZebraCloud

AI-Driven Networks

The ZebraCloud Mist AI Platform makes networking predictable. The Mist AI Platform makes networking predictable, reliable, and measurable with unprecedented visibility into the user experience. Time-consuming manual IT tasks are replaced with AI-driven proactive automation and self-healing capabilities, lowering networking operational costs and saving substantial time and money.

All operations are made in an open and programmable microservices cloud architecture. This delivers maximum scalability and performance while also bringing DevOps agility to wired and wireless networking and location services.

AI engine lowers OpEx, delivers unprecedented insight

The ZebraCloud Mist Platform uses AI and data science to analyze large amounts of rich metadata collected from Mist Access Points and Juniper EX Series Switches to provide actionable insight.

For example:

- Supervised machine learning correlates events for rapid root cause identification.
- Time-series anomaly detection identifies negative trends and determines the magnitude of their impact.
- AI-driven Radio Resource Management (RRM) optimizes the RF settings in real-time based on changing conditions.
- Natural Language Processing (NLP) is used for making complex queries simple and fast.
- Unsupervised machine learning is used accurately locate users and devices.

Networking-as-a-Service

The ZebraCloud Mist Platform enables networking and location services to be consumed in a scalable and cost-effective manner. Customers select the specific subscription services that are best for their environment, and can easily add/remove cloud services as business requirements change. No additional hardware is required.

Fully programmable cloud

The ZebraCloud Mist platform is 100% programmable, using open APIs, for full automation and seamless integration with complementary products including our AI for IT partners across LAN, WAN, security, engagement, and asset location.

Accelerate your digital transformation with network and business insights

Mist's Wired/Wireless Assurance, User Engagement, or Asset Management service includes a base analytics capability for analyzing up to 30 days of data, simplifying the process of extracting network insights from data and analytics across your enterprise. Allowing you to properly align support resources or introduce enhanced premium services.

For enterprises needing deeper flexibility to extend the data timeline beyond 30 days or access other 3rd Party solutions with customizable reporting for better visibility and guest behavior, Mist Premium Analytics Subscription services are available.

Enterprise networking cloud services

Wired and Wi-Fi Assurance

The ZebraCloud Mist Platform makes your networks predictable, reliable and measurable. Automate operations, save time and money and get visibility into your users networks experience.

Wired and Wi-Fi Service Levels Set, monitor, and enforce Service Level Expectations (SLE) for Wired/WIFI performance metrics such as throughput, successful connects and hardware health.

Root Cause Identification in One Click Proactively identify and fix the root causes of problems using Mist's Proactive Analytics and Correlation Engine (PACE)

Guest Wi-Fi The industry's most scalable guest access solution with options including multiple language support, customizable branding, social login, and external portal/AAA/RADIUS integration.

AI-Driven Radio Resource Management Learn and better optimize radio settings to assure performance, while also instantaneously adapting to intermittent outside interference.

Real-time User State Information Dynamically captures packets the moment an event occurs; Rewind to see any user's state at any point in time.

Simple Resource Assignment and QoS With WxLAN, assign and prioritize network resources to users with the click of a mouse or via pre-assigned policies.

Provides Insight into Wired Service Levels Get switch insights down to the port level for detailed views of CPU, memory utilization, bytes transferred, traffic utilization, and power draw.

Deliver Data to the Mist Cloud Platform with Juniper EX Series Ethernet Switches and AP's, fueling AI and data science.

Premium analytics

End-to-end Network Visibility Get 30 days of insights through the analysis of network data from Mist across your network to optimize end-user/client experiences and identify trends to improve network resource optimization. Additional insights with other 3rd Party networking and security solutions with customized* reporting are available.

Orchestrated Networking and Application Performance Queries Correlate and analyze data across Mist Cloud for optimized application delivery. Deeper insights across 3rd Party networking solutions and devices to generate customized queries for WAN performance from campus to branch is available.

Simplified Network Transparency Access to the real-time line of site reporting to view network abnormalities, like rogues and honeypots. Extend viewing periods beyond 30-days and request customized reports with other 3rd Party networking and security solutions.

Marvis virtual assistant

Meet Marvis – the first AI-driven virtual network assistant. Now you can ask questions and get intuitive answers on par with a wireless expert.

Simple Natural Language Interface Marvis uses Natural Language Processing (NLP) and Information Theory to analyze massive amounts of data and draw a precise picture of your network. Simply ask Marvis a question and it will help you extract insights from the system or troubleshoot an issue for you.

Anomaly Detection Marvis adds anomaly detection to the Mist SLE dashboard so that administrators can rapidly and proactively identify service impacting events that assure rapid determination and resolution of the root cause of issues.

Correlate Data to Understand Scope Marvis correlates information across a large knowledge base to determine the scope and magnitude of a problem.

Integrated Help Desk Marvis uses machine learning to perform unique troubleshooting and helpdesk functions like anomaly detection, event correlation, and confidence ratings.

Accurate Root Cause Analysis is a part of our data science toolbox, it is used to identify causes with the highest probability of association to the problem occurring on the network.

Asset and location visibility

With Mist's patented virtual Bluetooth LE technology, the same infrastructure for engaging with mobile users can be used for asset visibility.

Get Full Visibility Into People and Things Using Standards-based Bluetooth LE Services

Easily locate key resources, like nurses, security guards, and sales associates. Track IV pumps, forklifts, and high-value assets with Bluetooth LE tags.

Asset Identity Assign names to asset tags or BLE-enabled mobile/IoT devices to locate these assets on your venue map or integrate location with business applications.

Detailed Analytics Monitor visits and dwells times, with detailed drill-down into zone traffic patterns and congestion points.

Asset Location and Analytics Powered by APIs A complete and open set of APIs enable you to integrate your asset tags as well as asset location and analytics applications with the Mist virtual Bluetooth LE infrastructure.

ZebraCloud Mist AI Driven Platform

