

eSight Network - Integrated Enterprise NMS



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Product Overview

With the development of enterprise network applications and the expansion of network scale, a large number of routers, gateways and wireless local area network (WLAN) devices are used on enterprise campus and branch networks. Enterprises must provide multiple mobile offices, rather than a fixed location, for their employees, and support diversified services, complicating network management. They urgently need a unified network management system to improve efficiency and ensure normal operation of enterprise services.

Huawei eSight Network is based on the following concepts: topology-centric, simplified management, and improved operation and maintenance (O&M) efficiency. eSight Network provides an all-round, open, and unified management platform, and various service components, to implement unified management of devices, services, and applications.

Product Features

Protecting enterprise investments

- eSight Network uniformly manages devices of various types, bringing high-level ease of use for network administrators.
- eSight Network is composed of a unified platform and optional components that can be selected based on enterprise characteristics, facilitating fast expansion.

Improving O&M efficiency

- **Fast network deployment**
 - » Network administrators do not need to memorize commands but use the smart configuration tool instead to complete device configurations in batches. The configuration efficiency is improved.
 - » The group-based performance monitoring solution classifies devices with the same characteristics into the one group to monitor the same performance indicators. After a device is added to a group, eSight Network automatically applies matching monitoring policies to the device.
 - » eSight Network provides unified configuration templates and pages for wired and wireless users to improve configuration efficiency.
- **Visualized routine maintenance**
 - » Topology-centric all-round monitoring clearly displays key fault and performance information.

- » Visualized service, traffic, and security trend allow users to obtain network status and quality.

- **Efficient troubleshooting**

- » eSight Network quickly diagnoses users' network faults and provides troubleshooting suggestions based on Huawei best practices to help network administrators efficiently rectify the faults.
- » eSight Network supports drill-down fault analysis to locate the root causes step by step.
- » eSight Network uses the Packet Conservation Algorithm for Internet (IPCA) technology to timely measure network quality and accurately locate faults.

Improving network security

- **Visualized network security**
 - » eSight Network provides centralized planning and management of firewall policies and supports backup and restoration policies, improving network security and firewall efficiency.

- **System security hardening**

- » eSight Network improves system security by guaranteeing the access side, server side, and device communication security.
- » eSight Network supports dual-node hot standby to ensure high availability.

- **Full lifecycle WLAN management**

- » Supports full lifecycle WLAN management including visible planning, three-step service provisioning, 360-degree WLAN monitoring, and search-centric one-click fault diagnosis, helping administrators effectively deploy and manage WLANs.
- » eSight Mobile uses the universal mobile information platform to manage and control WLANs anytime, anywhere. It can also interconnect with a third-party system to build a win-win ecosystem.
- » eSight Network provides terminal location and supports the Bluetooth location SDK to provide an open precise location interface, helping shopping malls, supermarkets, and the educational industry to provide value-added services.

Product Components

eSight Network provides a unified O&M platform and specific components to meet enterprise user requirements.

Component	Description
eSight Network Management Platform	Provides NMSs of the compact, standard, and professional editions for enterprise users. Supports unified management of devices from various types, topology management, fault management, performance management, and user right management.
eSight Network Device Manager	Manages network devices from multiple types. Provides the IP topology and link management functions for monitoring the network topology and changes in real time. Provides the smart configuration tool, configuration file management, and device software management to update configuration files and software versions.
eSight Network Agile Reporter	Analyzes report data from multiple dimensions and allows users to flexibly drag required content to be contained in reports, implementing complex query from Big Data. Displays reports in an easy-to-understand manner.
eSight Network Open SDK	Provides Simple Network Management Protocol (SNMP) and File Transfer Protocol (FTP) interfaces to integrate with third-party systems.
eSight Network SLA Manager	Implements visible monitoring on network quality by combining the following methods: simulation flow-based and real service flow-based network quality detection. Monitors network quality using simulation flows by integrating with devices' Network Quality Analysis (NQA) function to diagnose and measure link performance between network devices 24x7 and displays Quality of Service (QoS) statistics. eSight Network notifies administrators remotely when QoS reaches the threshold set by administrators. Administrators can use the quick diagnosis function to monitor link performance in real time and diagnose faults, which improves management efficiency. Implements network quality detection based on iPCA, which is the industry's first multiple-input-multiple-output quality measurement technology and solves the N ² connection problem in traditional point-to-point quality measurement technologies. iPCA technology uses the enhanced area-based packet conservation mechanism to monitor the quality on a connectionless network and also provides accurate fault location capabilities.
eSight Network Traffic Analyzer	Analyzes network traffic based on NetFlow, NetStream, and sFlow protocols. This helps network administrators monitor traffic and bandwidth usage on enterprise campus egress and wireless campus networks, generate traffic analysis reports, and detect network bottlenecks in a timely manner, providing evidence for network planning and fault diagnosis.
eSight Network WLAN Manager	Provides integrated management of wired and wireless networks. Supports full lifecycle WLAN management, including visible planning (highly-efficient WLAN planning with professional tools), fast service provisioning in three steps, active O&M, all-round quality awareness regionally or globally. Provides search-centric E2E one-click fault diagnosis, interference source locating, and spectrum analysis to implement highly efficient troubleshooting. Provides position-based terminal location and northbound interfaces to achieve mutual benefits from the wireless network.
eSight Mobile Manager	Allows administrators to manage WLANs using mobile terminals with the 360-degree WLAN monitoring and fault diagnosis, and advertisement pushing apps. With eSight Mobile, administrators can manage WLANs anytime, anywhere. Provides open SDK to allow third parties to develop various industrial applications, building a win-win ecosystem.
eSight Network IPSec VPN Manager	Automatically discovers IPSec VPN services on the hub-spoke and site-to-site networks and provides all-round monitoring and diagnostic functions, including service alarm status monitoring, service topology, performance monitoring, service diagnosis, and historical tunnel information display.
eSight Network Secure Center	Provides unified security policy management functions for the firewalls.



More Information

<http://enterprise.huawei.com/>

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