

HUAWEI eSight Brief Product Brochure





eSight - Integrated Enterprise NMS

Product Overview

With the development of enterprise network applications and the expansion of network scale, a large number of routers, gateways, and Wireless 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 is based on the following concepts: topology-centric, simplified management, and improved Operation and Maintenance (O&M) efficiency. eSight provides an all-round, open, and unified management platform, and various service components, to implement unified management of devices, services, and applications.

Product Characteristics

Protecting enterprise investments

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

Improving O&M efficiency

- 1、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 automatically applies matching monitoring policies to the device.
 - eSight provides unified configuration templates and pages for wired and wireless users to improve configuration efficiency.

- Network administrators can quickly complete batch service configurations by following the service configuration wizard provided by eSight. The configuration process is more clear and smooth.

- 2、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.

- 3、Efficient troubleshooting

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

Improving network security

- 1、Visualized network security
 - eSight provides redundancy policy analysis, matching analysis, risk analysis, and comprehensive analysis to refine security policies, improving network security and firewall efficiency.
 - eSight analyzes massive logs to find to security vulnerabilities on the network.

- 2、System security hardening

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



Product Components

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

| Component | Description |
|--|---|
| eSight Unified Network Management Platform | Provides compact, standard, and professional editions for enterprise users. In addition to unified management of devices from various vendors, topology management, fault management, performance management, a smart configuration tool, configuration file management, and a Simple Network Management Protocol (SNMP) northbound interface, the eSight Unified Network Management Platform allows users to customize third-party devices, helping establish a network management system customized to their own needs. |
| eSight Smart Reporter | Provides preset report templates to meet requirements in most management scenarios. Provides a professional report design tool for users to customize statistics reports. |
| eSight 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 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 N2 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 | Collects router and Layer 3 switch traffic, analyzes network traffic based on NetFlow, NetStream, and sFlow protocols, and allows users to customize reports. This helps network administrators monitor traffic and bandwidth usage and detect network bottlenecks in a timely manner, providing evidence for network planning and fault diagnosis. |
| eSight LogCenter Manager | Provides a platform for collecting, storing, and auditing multiple types of large-scale logs in a unified manner. Manages logs from Huawei and other vendors' devices. Provides industry-leading Network Address Translation (NAT) tracing and security events analysis functions. |
| eSight WLAN Manager | Provides integrated management of wired and wireless networks. Supports wizard configuration to improve deployment efficiency of wireless services. Displays information about WLAN network quality, interference sources, wireless intrusion, and access terminals. Supports one-click diagnosis, interference source locating, and spectrum analysis to implement highly efficient troubleshooting. |
| eSight MPLS VPN Manager | Integrates scattered VPN information into visible management objects and displays the information using figures and graphs. Provides End-to-End (E2E) service deployment and hierarchical fault diagnosis capabilities. Administrators can easily deploy, monitor, and diagnose VPN services to guarantee quality and reliability for key services. |
| eSight MPLS Tunnel Manager | Automatically discovers Multiprotocol Label Switching (MPLS) Traffic Engineering (TE) and Label Distribution Protocol (LDP) tunnels that have been deployed on the network, monitors tunnels in real time, dynamically displays tunnel operating status, and monitors active-standby switchover and bypasses. |
| eSight 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 Secure Center | Provides unified security services management functions for the entire network, including Huawei firewalls, Unified Threat Management (UTM), and Access Routers (AR). Provides policy redundancy analysis, risk analysis, policy matching analysis, and comprehensive analysis for USG series firewalls to provide basis for policy optimization. |

More Information



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



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