

Huawei eSight Enterprise Management Solution

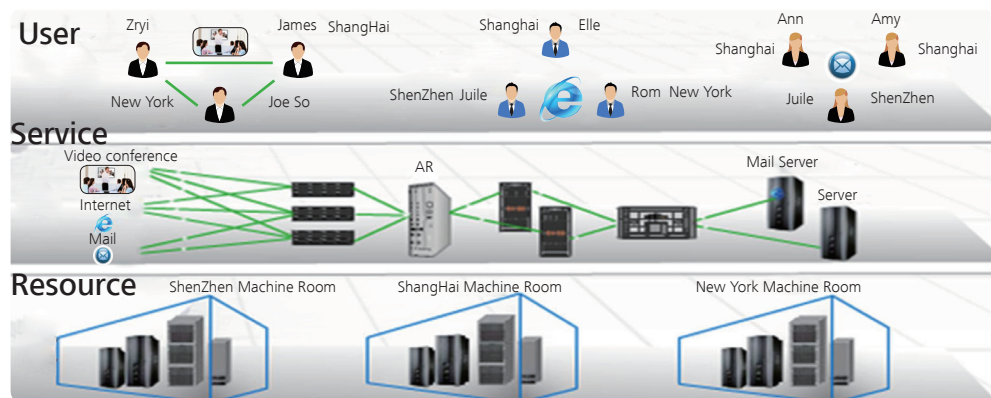


Challenges

As the network scale and the number of enterprise network applications continue to grow, a large number of terminal access devices, such as multi-service routers, gateways, and WLAN APs, are widely used in decentralized networks like enterprise campus networks and branch networks. An increasing number of IT and IP devices from multiple vendors are used in enterprises and these devices use different network management systems. Enterprises require a unified network management system to manage devices on the entire network, ensure network stability, and improve the O&M efficiency.

eSight—Integrated Enterprise O&M Solution

Huawei eSight is a new-generation network management system designed for enterprises. eSight manages enterprise resources, services, user data, and applications in compliance with Information Technology Infrastructure Library (ITIL) standards. eSight is able to manage IT and IP devices, and third-party devices used by enterprises. It provides an open platform that allows enterprises to build their own intelligent management systems.



eSight can reduce IT device investment and maintenance costs and improve the O&M efficiency.

eSight is applicable to:

- **Any customer**
 - Multiple editions are provided to meet management requirements of different enterprises, such as SMB and large-scale and medium-sized enterprises.
- **Any device**
 - eSight can manage devices from Huawei, Cisco, HP, and other vendors.
 - eSight manages IP and IT devices and third-party devices in a unified manner, reducing network management costs.
 - eSight provides basic management functions including fault management, configuration management, performance management, and security management for all devices.
- **Any service**
 - eSight services including the IPSec VPN management, MPLS VPN network management, WLAN network management, and SLA, those make networks visible.

Multiple editions and open platforms, reducing the initial investment: eSight provides multiple editions to meet management and business requirements of different enterprises. The open secondary development platform and API interface can meet enterprises' requirements for integrating existing systems and developing personalized tools. In addition, eSight can manage IP and IT devices and third-party devices on the entire network in a unified manner.

Batch delivery and quick diagnosis, improving the work efficiency: The smart configuration tool provides the template-based and plan file-based batch configuration and command authentication functions, which improve the service deployment efficiency. The MPLS VPN service provides the one-click fault diagnosis function, which helps users to diagnose faults efficiently. The customizable system portal and device portal implement one-stop information monitoring.

Visible services and unified O&M, reducing O&M costs: Network Quality Analysis (NQA) counters are encapsulated into SLA services. The SLA compliance indicates the service quality, reducing skill requirements on maintenance personnel. The unified O&M solution supports unified deployment and O&M and interaction between different functions, which simplifies O&M for enterprises.

Highlights

Lightweight system: eSight uses the B/S architecture and can run on portable computers, enabling users to access the network and check the network status anytime, anywhere.

Multiple editions: eSight provides the express, compact, standard, and professional editions, meeting requirements of different enterprises.

Comprehensive device management capabilities: eSight can manage IP and IT devices and third-party devices and provide device customization capabilities, reducing device investment and improve the O&M efficiency.

Unified O&M experience: Based on the unified enterprise management platform, eSight provides a complete O&M solution and supports interaction between system functions, providing the same O&M experience and reducing training costs.

Integration of Huawei best practices: Based on Huawei best practices, eSight provides the network quality evaluation, fast fault diagnosis, and detailed fault rectification suggestion functions, helping users to quickly diagnose faults and reducing skill requirements on maintenance personnel.

Visible management: eSight provides multiple views and icons, which display the network status and quality from different layers in different modes.

Product Components

Basic Network Management Platform

The basic network management platform can manage IP and IT devices and third-party devices. It provides the basic management functions including fault management, configuration management, performance management, and security management for all devices. The physical topology and IP topology show the network structure and status in different dimensions. The smart report function meets O&M requirements.

IPSec VPN network management

The IPSec VPN service provides the service management and monitoring and service topology browsing functions.

MPLS VPN network management

The MPLS VPN service provides the service management and monitoring functions. It can automatically discover services on the entire network, including network of Full-Mesh, Hub-Spoke, MCE, HoVPN, Inter-AS option A, Inter-AS option B. The access topology, service monitoring, and one-click fault diagnosis functions protect enterprise backbone networks. In addition, interaction between the SLA, smart report, and performance monitoring services is supported.

WLAN network management

Users can deploy WLAN services following the wizard. Visible management is implemented based on the service topology and location topology. The service topology shows the connections between the AC, APs, and STAs, and marks rouge APs, and the detailed information about them. Users can diagnose service faults in the service topology. The location topology shows the hotspots and radio signal coverage scope, and marks unauthorized APs and collision domains. The WLAN network management service provides the functions of restarting, replacing, and restoring APs to factory settings in batches.

SLA

NQA counters are encapsulated into SLA services including voice and video services. The SLA compliance indicates the service quality. SLA historical data provides a basis for optimizing the network. Based on the interaction with the smart report service, SLA compliance statistics reports and counter statistics reports can be provided.

Why Huawei?

- eSight provides multiple editions to meet different business requirements and reduce the initial investment.
- eSight manages IP and IT devices and third-party devices in a unified manner, reducing network management costs.
- Based on a unified management platform, eSight supports unified deployment and O&M and interaction between different functions. This ensures that users have the same O&M experience.
- eSight reduces training costs and skill requirements on maintenance personnel in multiple aspects.

Obtaining More Information

<http://enterprise.huawei.com>

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