IMaster NCE-Campus-G

Datasheet

Product Overview

The IMaster NCE-Campus-G is a new generation of automatic driving network management and control system for campus network. It is a network automation and intelligent platform integrating management, control, analysis and AI intelligence functions. It provides the automation of the whole life cycle of the campus network, the intelligent closed-loop capability of failure based on network digital map, big data and AI, helps enterprises reduce OPEX operation and maintenance costs, accelerates enterprise cloud and digital transformation, and makes network management more automatic and network operation and maintenance more intelligent.

Technical Specification

Features	Description
Network Minimalism Deployment	· Provide APP code scan deployment, DHCP deployment, registration and query center deployment, email deployment and other network equipment plug and play mode, adapt to different network scenarios, realize network planning and deployment through graphical interfaces, minute level network provisioning, greatly reduce the difficulty of network deployment, shorten the network construction period.
Automatic Provisioning of Virtual Network Services	· Automatic virtual network deployment based on VXLAN-based Fabric planning, configuration, and provisioning. Automatic end-to-end VxLAN network deployment implements service isolation and multi-purpose on one network; · Visual service configuration provides topology-based virtual network configuration and monitoring to view service delivery status in real time; · Supports automatic VXLAN tunnel establishment based on BGP-EVPN; · Support centralized/distributed VXLAN gateway scheme, elastic expansion, flexible and efficient.
SD-WAN Converged Management	· Apply EVPN, cloud computing and other technologies to realize the automatic deployment capability of dedicated line services from headquarters to branches and branches to branches, provide enterprises with cloud-based dedicated line management services quickly, and help enterprises reduce OPEX and accelerate the cloud and digital transformation of business; · Enterprise branch interconnect line service automatic deployment, support business policy, value-added service orchestration, VPN dynamic connection and other service automatic configuration, simplify the branch network deployment complexity; · Prioritizing application experience and supporting comprehensive route selection based on bandwidth and link quality; · Visual operation and maintenance, the whole network application traffic can be seen, the application and link management can be visualized, the whole network status can be visualized, the network status can be controlled in real time, and the operation and maintenance efficiency can be improved.
Multi-tenant Management	· The cloud management model based on physical sharing and logical isolation supports multi-tenant management based on user roles and regions, providing enterprise users with flexible rights - and domain-specific management; · Supports the three-level user management model of system administrator, Managed Service Provider (MSP), and tenant. System administrators are responsible for the management, operation and maintenance of the entire platform. MSP administrator can create subordinate tenants, and support tenants to provide agent construction and maintenance services; Tenant administrators are responsible for their own network deployment, operation and maintenance, and can also specify that the tenant's network is maintained by MSP; · Supports rights - and domain-based management. In the three-level user management model, you can configure different administrators based on their roles and sites to improve network management security; · Services between tenants are invisible, and data of each tenant is isolated from each other end to end. Tenant data is distinguished in the database by tenant ID. Only the owning administrator of a tenant can access the data, ensuring the data security of tenants to the greatest extent.
User Access Authentication	· A new authentication protocol, HTTP2.0, is introduced to support massive network device management and user network access authentication, providing 802.1x authentication, Portal authentication, SMS authentication, social media authentication and other user access modes to meet the needs of access user policy control, and effectively improve network security; · Support user and IP decoupling, anytime, anywhere access to the network and maintain the same rights, so that business, experience, to meet the needs of authority control, while effectively guaranteeing user experience.
Intelligent Terminal Identification	· Built-in terminal fingerprint database, through intelligent identification, comprehensive application of a variety of identification methods, greatly improve the accuracy of terminal type identification, mass IoT terminal intelligent access, automatic policy matching, automatic delivery, IoT terminal plug and play.
Intelligent HQoS	· Support multi-level QoS hierarchical scheduling capabilities based on users and service priorities, to achieve different users, different applications, different policies, bandwidth policy management and control more fine, more effective protection of user access experience.

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