

Overview

Intuitive, cloud-based software for automating business-critical network tasks. Cross-vendor SDN management (CISCO®, HPE®, HUAWEI®) of networks (campus). Scalable administration and intelligent documentation of enterprise networks of any size. Standardized interfaces (NETCONF, REST, SNMP, OPEN-FLOW, PYTHON etc.).

Product Highlights

- Open vendor network automation
- Network inventory "Scan your Network"
- Operating and functional status of network devices
- Cloud and on-premise solution on request
- Uniform graphical user interface (GUI)
- Zero Touch Deployment
- Easy Migration from vendor A to vendor B
- Cloning of network devices (projects)

Cloud Managed Network Automation

The vendor and device-independent automation software from racksnet® is designed for the management of enterprise networks via the cloud. Consequently, the racksnet® solution includes numerous configuration and management tools as well as a virtual controller, which ensures real-time communication between the enterprise network and the racksnet® cloud. Alternatively, an on-premise solution is also available.

Both SDN versions, Cloud and On-Premise, are easy and fast to implement in existing network environments. They do not pose any additional, complex requirements to experienced IT network professionals.

The graphical drag & drop user interface of the software is intuitive to use. In addition, the application contains numerous templates which help to further simplify the automation of common network tasks.



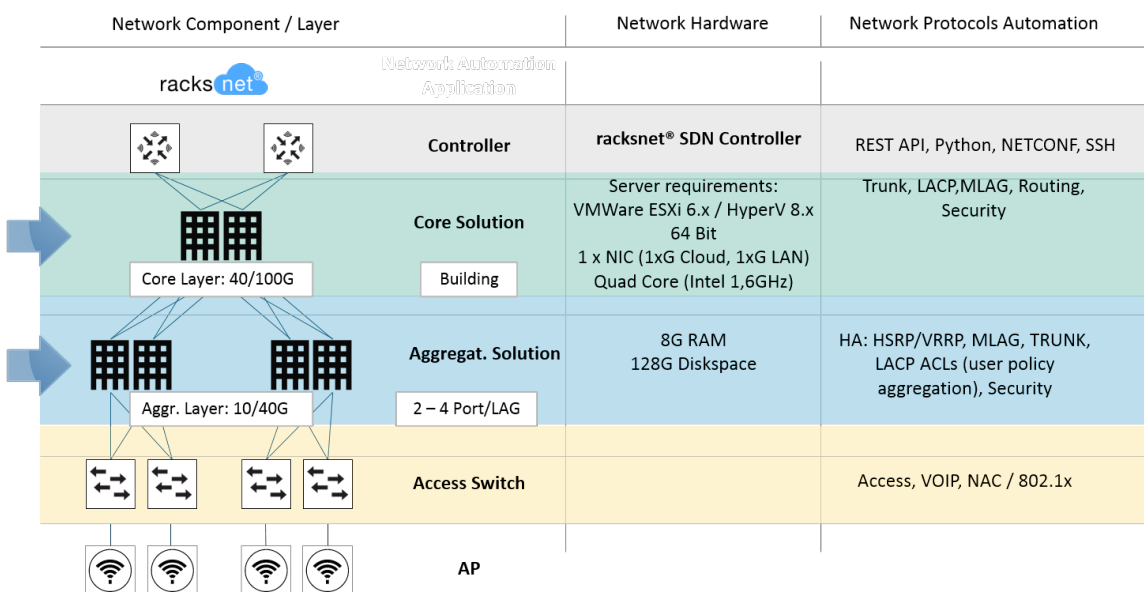
Cloud Management Architecture

The racksnet® architecture offers many design options and functions for network automation via cloud, without complex, time-consuming and costly on-site management. The racksnet® solution easily manages several thousand network devices per site, around the world in real time.

The system architecture ensures maximum speed, flexibility and scalability in deploying enterprise-wide IT standards. Instead of the traditional and usually error-prone command line input, racksnet® offers a feature-rich, intuitive graphical interface for network automation that provides more transparency and overview.

Function

The connected network devices communicate with the racksnet® SDN controller, which passes the data over a secure SSL connection to the Network Automation Application in the racksnet® cloud. The minimal exchange of status information ensures real-time monitoring, configuration and deployment. The software for automation lies in the secure racksnet® cloud, which supports the common devices and series of well-known manufacturers such as Cisco®, HPE® and Huawei®.



Vendor / Device Support

Vendor	Series / Model Number (Switches, Router)
Cisco®	Nexus 2000 (1 GE Fabric Extender; 10GBASE-T Fabric Extender; 10G SFP+ Fabric Extender) Nexus 3000 (3000-Series; 3100-Series; 3100-V-Series; 3100-Z-Series; 3200-Series; 3400-Series; < 3500-Series; 3600-Series) Nexus 5000 (5000-Series; 5500-Series; 5600-Series) Nexus 7000 (7000-Series; 7700-Series) Catalyst 2960-L-Series Catalyst 3560 Series; 3750-Series; 3850-Series; 4500-Series; 6500 Series; 6800-Series C800 (800-Series; 810-Series; 860-Series; 880-Series; 890-Series) C4000 (4200-Series; 4300-Series; 4500-Series; 4600-Series) ASR 1000 Series ISR 1800-Series; 1900-Series ISR 2800-Series; 2900-Series; 3800-Series; 3900-Series
HPE®/H3C®	Comware/HPE® Flex Fabric 5700-Series; 5900-Series; 7900-Series Comware/ HPE® Flex Network 10500-Series Comware/HPE® Flex Fabric 12500-Series; 12900-Series MSR 900-Series MSR 1000-Series; MSR 2000-Series; MSR 3000-Series; MSR 4000-Series; HSR 6800-Series
HPE®/Aruba®	2530-Series 2930 F-Series; 2930 M-Series 3800-Series 5400-Series 8400-Series
Huawei®	AR 100-Series; AR 200-Series S 2000-Series; S 3300-Series; S 5300-Series; S 6300-Series; S 9300-Series
Open Source (Linux®)	Cumulus Operating System

Further vendors in preparation

racksnet® Software Features

VLAN / 802.1q	VLAN ACL	HSRP / VRRP
LACP	Syslog	NTP
SNMP v1/v2c/ v3	SNMP ACL	OSPF
Banner	IP Routing	ACL SSH
ACL Basic	ACL Advanced	Spanning-Tree (Rapid, PVRSTP, etc.)
TACACS	RADIUS	NAC / 802.1x
DHCP	ZTP (Zero Touch Provisioning)	u.v.m.

Spezifikationen / Requirements

racksnet® Software-Instanz	Systemvoraussetzungen	Funktion/Rolle
vController	VMWare ESXi 6.x / HyperV 8.x 64 Bit 1 x NIC (1xG Cloud, 1xG LAN); Quad Core (Intel 1,6GHz); 8G RAM; 128G Diskspace	Secure connection from enterprise network to racksnet® cloud
Dashboard/Whiteboard App	from Windows 7, Apple OS X 10.6.8 alternatively: Internet-Browser Google Chrome; Mozilla Firefox; Apple Safari; Microsoft Edge	Netzwerk-Configuration and -Management