Product-Info | **Solution Overview**

racksnet® is the first IT network automation software that allows customers to configure, analyze and manage dual or even multivendor networks across vendors without having any scripting skills. The open architecture meets increasing network challenges; simple, fast and secure.

Challenge

IT-customers all over the world are facing major tasks. Rapidly increasing data volumes, lack of resources, increasingly complex structures: The demand for efficient and secure networks is growing and can no longer be satisfied with con-ventional technologies. SDN and cloud solutions create new opportunities. Unfortunately, all SDN and cloud solutions so far have only been vendor-specific and lack practicability, performance and scope of services.

The unique racksnet® solution eliminates the vendor dependency

As the first and only supplier worldwide, racksnet® has combined all functions for successful network automation in a vendor-independent, easy-to-use software complete solution. Customers of racksnet® can freely design their hardware base using their existing devices or adding devices from other vendors. Even inexpensive white label devices can now be managed uniformly.

Standardized interfaces (NETCONF, REST, SNMP, OPENFLOW, PYTHON etc.) offer a great deal of flexibility for all planning tasks.

With the racksnet® solution you not only gain new scope for action and decision making for network automation, but also valuable time and cost advantages.

Product Features

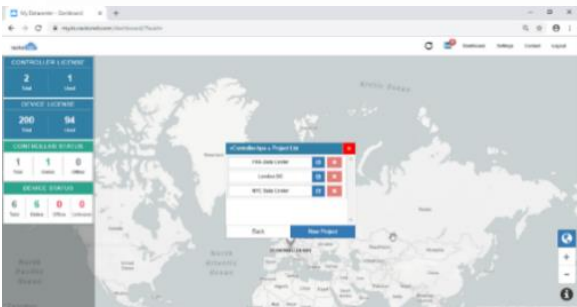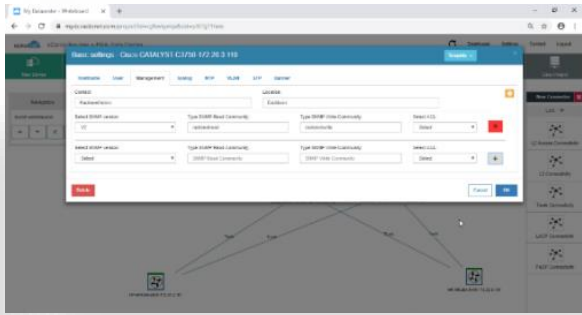| Functional Highlights	
▪ Vendor-independent uniform configuration interface	▪ Network scan at the push of a button (import of existing networks)
▪ Automatic integration of vendor-independent templates/playbooks	▪ Zero-Touch-Provisioning
▪ Simple port management incl. port tagging for an easy search	▪ Network planning, configuration, management and documentation
▪ Fast deployments even in a dual- or multi-vendor environment	▪ Clear presentation of "racks & networks
▪ Administration of all network relevant information and alarms	▪ Displays the operating status of your network devices
▪ Global inventory list at the touch of a button	▪ Intuitive navigation and innovative user guidance
▪ Simple and clear license management	▪ No scripting anymore. NOC employee training within 2 hours
▪ Integration of 3d party software (API for existing business solution)	▪ Rapid cloning of projects and networks
▪ Access from any place and at any time - 24/7	▪ Easy and secure migration from one vendor to another vendor

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Customer Values

Function	Description	Benefit	USP
Graphical User Interface	One uniform graphical user interface for all enterprise devices and manufacturers (CISCO, HP, HUAWEI, ARISTA, DELL EMC, CUMULUS Networks etc.)	No vendor-specific programming knowledge is required	Cross-vendor simplification
racksINSIGHT	Gain deep insight into your rack structures (servers, storage and other systems) via the Top-of-the-Rack-Switch (TOR) and manage the allocation and release of ports	Fast configuration, provisioning or relocation of server or storage ports	Deployment and relocation simply by Drag & Drop
Scan-Your-Network	Scan your network, e.g. for inventory purposes (vendor/device types, serial numbers, IP addresses, firmware versions, etc.) in standardized CSV format	Creation of comprehensive visibility of your company-wide network	Inventory at the push of a button
Fast-Deployment	Deploy new network devices or complete racks with pre-configured settings (port validation, security policies etc.) in minutes, centrally and without on-site commissioning	Enables fast, standardized, template-based network roll-out of your network	Fast and cross-vendor templating and settings
Zero-Touch-Deployment	No additional services required, all critical ZTP services are already included in the racksnet® Network SDN Controller	Minimization of operational expenses during commissioning	Vendor-independent automation
Multi-Controller-Architecture	Improve performance, such as network automation, control and monitoring, in distributed enterprise networks	Simplification of control and monitoring of global corporate networks	Multi-Controller-Management
Cloning	Copy or clone your available network objects (racks, routers, switches, etc.) at any time and including all device settings 1:1 via drag and drop	Substantial simplification of network extensions and roll-outs	Error-free provisioning of additional network capacities at the push of a button
Migration	Minimize time, cost, and human resources in the transformation process when changing vendors and homogenizing your network infrastructures	Continuity of network operation during manufacturer change/migration	Independence in the choice of the device vendor

The device and vendor-independent graphical user interface of the racksnet® software does not require any specific programming knowledge on the user side. No matter which enterprise provider you prefer, the management of your network is always in the same. Start your network automation now.

Dashboard | Company-wide overview of all locations and networks as well as all licenses

Whiteboard | Basic settings and one standard for all vendors

racksnet® is providing an unique software as a service for automating IT networks.

The revolutionary multi-vendor software works according to the principles of vision of open networking, which means that the software manages all major vendors and device typese.g. Cisco, DELL EMC, Hewlett Packard Enterprises, Cumulus and Huawei.
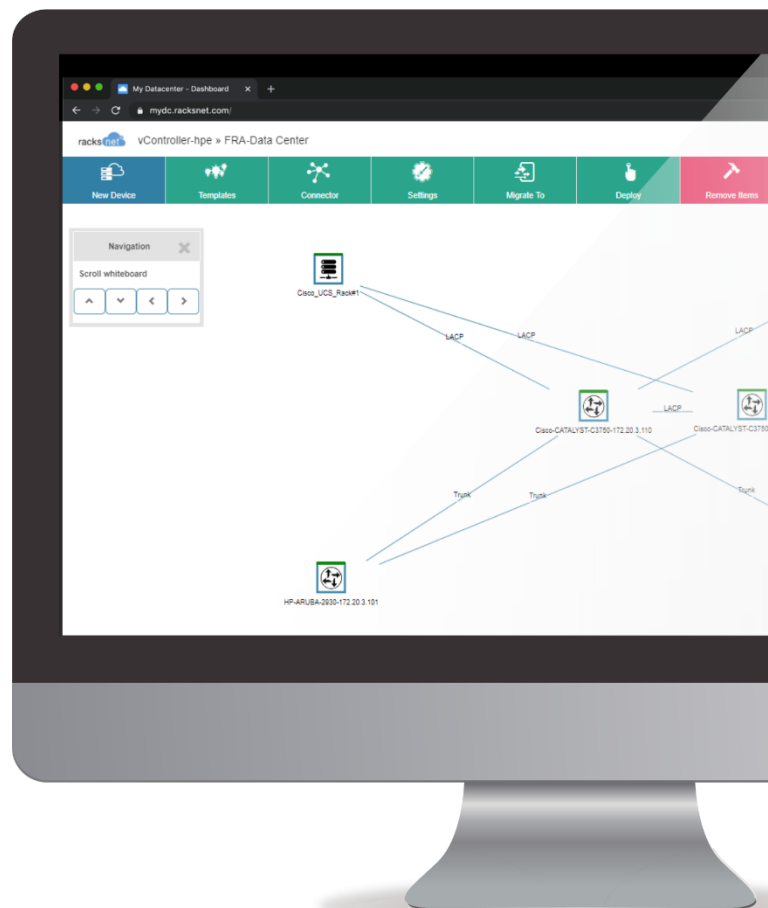
" Digital Transormation does not differentiate between small company and large enterprise, between major network or small network. A functioning network is the backbone of every organization. That is, what we are providing to our customer.

By automating ever-recurring tasks, we relieve employees and give them the opportunity to take care of the really big challenges.

Nauman Bastit | racksnet GmbH

About racksnet®:

racksnet GmbH was founded in 2017 by two former Cisco and HPE IT engineers and is now hosted in Eschborn and Fulda / Germany:

https://www.linkedin.com/company/racksnet-gmbh
https://www.instagram.com/racksnet_team