

The NetzDesignManager (NDM) has over 150 functions.

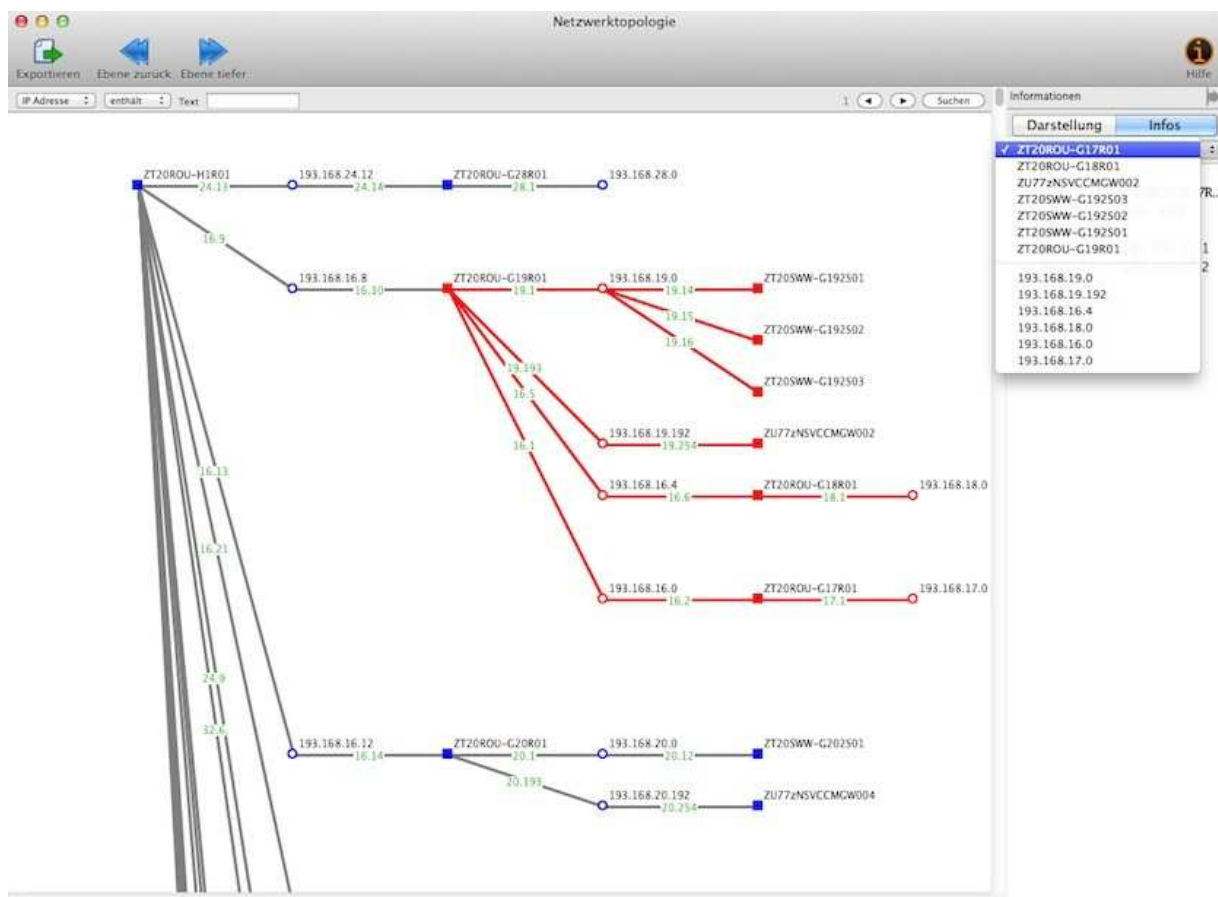
Here are the most important. Using various functions such as "Find and Replace" changes are relatively simple. The changes are, of course, performed only in the database. The custom configurations can be transferred to this result by the standard method of network components. Another option is NetzDesignManager (NDM) the JOB tool implemented. This feature is designed to customize standard commands to the network components.

Interface-representation

The NDM also performs routines to complex network configurations. The representation of IP networks in tabular form with the associated network components, interfaces, etc., creates a good and quick network topology overview.

Network topology

The graph shows an overview of all network components, which is automatically structured. Colors reflects the current status of a connection. Use the search function based on individual components its device name or IP address quickly found.



Planning and changes

Within the NetzDesignManager it is possible router / switch configurations manually create. Thus, the network is virtual to enhance the workplace and with regard to the impact. IP topology can be investigated by analyzing opportunities. Ready-made templates facilitate the creation of configurations.

The screenshot shows a configuration window for a Cisco Router. The fields are as follows:

- Hostname: TestRouter
- Manufacturer: Cisco Systems
- OS Version: 12.x
- Management IP Adresse: 9.9.9.9

Startkonfiguration:

```
hostname TestRouter
```

A dropdown menu is open, showing the following options:

- Cisco Router 1841 ohne QoS (highlighted)
- Cisco Switch 2950-24 mit QoS
- Cisco Router 1841 mit QoS
- Cisco Router 2801 ohne QoS
- Cisco Switch 3750-24 Layer II ohne QoS
- WAN Interface anlegen
- DHCP Server anlegen
- SNMP hinzuf,gen
- GRE Tunnel anlegen
- GRE Tunnel mit Verschlusselung
- Tacacs anlegen
- VRF mit OSPF und einem VLAN anlegen

At the bottom, there is a 'Label:' field and two buttons: 'Abbrechen' and 'Okay'.

Nr.	IP Adresse	Hostname	Status	Zeit
<input type="checkbox"/> 1	192.168.200.20	---	aktiv	2011-08-20 13:21:14
<input type="checkbox"/> 2	192.168.20.252	---	aktiv	2011-08-20 13:21:47
<input type="checkbox"/> 3	192.168.20.254	---	aktiv	2011-08-20 13:21:47
<input type="checkbox"/> 4	192.168.0.1	---	aktiv	2011-08-20 13:21:47
<input type="checkbox"/> 5	192.168.0.100	---	aktiv	2011-08-20 13:21:55
<input type="checkbox"/> 6	192.168.0.251	---	aktiv	2011-08-20 13:22:04
<input type="checkbox"/> 7	192.168.0.253	---	aktiv	2011-08-20 13:22:06
<input type="checkbox"/> 8	192.168.0.254	---	aktiv	2011-08-20 13:22:06
<input type="checkbox"/> 9	192.168.254.3	---	aktiv	2011-08-20 13:22:06
<input type="checkbox"/> 10	192.168.254.7	---	aktiv	2011-08-20 13:22:06
<input type="checkbox"/> 11	192.168.1.240	---	aktiv	2011-08-20 13:22:39
<input type="checkbox"/> 12	192.168.1.254	---	aktiv	2011-08-20 13:22:39

IP Netze zeigen

Ping-Filterbereich festlegen

192 . 168 . 0. 0 - nur diesen Class B IP Netzbereich für die Ping-Analyse nutzen.

alle-Hosts 24-30Bit Maske

Ping Schliessen

Intelligent Ping

The ping function is used to detect other unknown systems. The intelligent ping function created due to the virtual routing table that is created from all network components, a list of hosts to ping.

VLAN manager

The VLAN Manager provides the VLAN information with the interface assignments and interface descriptions in a table. The VLAN Manager is designed so that only the configuration of the VLAN assignment or trunks (IEEE802.1q) can be changed, If an interface an IP address assigned or heard this a multilink interface, then this interface is not listed in the table and thus is not configured on the VLAN manager.

Other features include...

Asset management, routing analysis, mapping MAC address to the switch port, comparing networks (IS-IS INTENDED), export to ITGuru, export to MS Visio 2007, export to CommandWeb search / replace, create configurations for templates configurations import, edit configurations, search, overview of the hardware and software, export the module information, IP network representation, IP network analysis, interface description, analysis of neighbor relations, statistics, Telnet, Ping, graphical representation of logical routing function VRF OSPF analysis, visual status of the interfaces, graphical presentation of search results, export the IP tables, securing represent the configurations archiving of network information, duplicate IP networks / addresses, export the configurations automatically changes to the network perform IP subnet calculator, traceroute, and many more....