How do I set up an additional IP address?

An additionally ordered IP address must be set up on your server so that it can be reached. This article is only valid for Dedicated and Virtual Dedicated Server. With a VPS the network configuration is automatically configured. Proceed as follows:

Debian and Ubuntu up to version 16.04

Add the following entry to the file <a>/etc/network/interfaces:

auto eth0:1 iface eth0:1 inet static address <additional IP-Address> netmask 255.255.255.255

<additional IP-Adresse> The corresponding IP address is inserted here. The network service is then restarted using the following command:

service networking restart

Ubuntu >= 18.04

In the file /etc/netplan/01-netcfg.yaml adapt the following line:

addresses: ["<Haupt-IP-Adresse>/32", "<additional-IP-Adresse>/32"]

<additional-IP-Adresse> The corresponding IP address is inserted here. The network service is then restarted using the following command

netplan apply

If an error should have crept into the YAML file, it is immediately displayed and can then be directly edited again.

Note: When using Netplan, you must work with spaces. The use of "Tab" is not possible.

CentOS Linux

A permanent configuration is only possible by default via alias interfaces (eth0:1, eth0:2 etc.). For this purpose, a file must be created for each IP address.

Note: The network interface is called eth0 in the example. This may differ from your network interface. You can read out the currently used network interface with the following command:

ip r s | grep default default via 192.168.178.1 dev eth0 proto static metric 100

eth0 -> the network interface used. The main IP of your server is also configured here.

create file

/etc/sysconfig/network-scripts/ifcfg-eth0:1

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These files must each contain the following information:

DEVICE=eth0:1 BOOTPROTO=none ONBOOT=yes IPADDR=<additional IP-Adresse> NETMASK=255.255.255.255

Windows

Setting up an additional IP address can be done via the graphical user interface or via the CMD.

graphic solution

Switch to the properties of the network card:

# Ethernet Properties 2					
Networking					
Connect using:					
Red Hat VirtIO Ethemet Adapter					
Configure					
This connection uses the following items:					
Client for Microsoft Networks					
File and Printer Sharing for Microsoft Networks					
QoS Packet Scheduler					
Internet Protocol Version 4 (TCP/IPv4)					
Incrosoft Network Adapter Multiplexor Protocol					
Microsoft LLDP Protocol Driver					
✓ Internet Protocol Version 6 (TCP/IPv6)					
< >					
Install Uninstall Properties					
Description					
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.					

nternet Protocol Version 4	(TCP/IPv4) Properties	×
General		
	igned automatically if your network supports you need to ask your network administrator ngs.	
Obtain an IP address	automatically	
• Use the following IP a	ddress:	
IP address:	192.168.1.90	
Subnet mask:	255 . 255 . 255 . 0	
Default gateway:	192.168.1.1	
Obtain DNS server ad	dress automatically	
• Use the following DNS	server addresses:	
Preferred DNS server:	192 . 168 . 100 . 11	
Alternate DNS server:	10 . 1 . 1 . 7	
Validate settings upo	n exit Advanced	
	OK Cano	el

Open the advanced settings and add the additional IP-address.

IP addr	esses		
IP address 192.168.1.90		Subnet mask 255.255.255.0	
	Add	. Edit	Remove
Defaul Gate 192	TCP/IP Address		>
	IP address: Subnet mask:	192 . 168 . 1 . 92 255 . 255 . 255 . 0	
		Add	Cancel
✓ Auto	omatic metric		

Important: The subnet mask of the additional IP is basically: 255.255.255.255

СМД

netsh interface ipv4 add address name="Ethernet" <zusätzliche IP-Adresse> 255.255.255.255

Carry out IP configuration in the ZKM

In order for the additional IP address to be used, the IP configuration in the ZKM must be adjusted and set to "host route". "Virtualisation" is used for virtualisation purposes.

To do this, log into the ZKM and navigate to the corresponding server contract. Now select "Configuration".

Net Configuration (IPv4)				
Net address				
Gateway				
Subnet mask	255.255.255.255			
Connection				
Failover-IP No assigned Failover-IP.				
IP-Address	Main Address			
Net configuration Orde	er IP Address Failover IP Management			
RDNS Management	Ianage Bandwidth			

Now set the additional IP addresses to "Host-Route".

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