



Create a VPN connection to a subnetwork of a C6 HMI

FAQ No.0004

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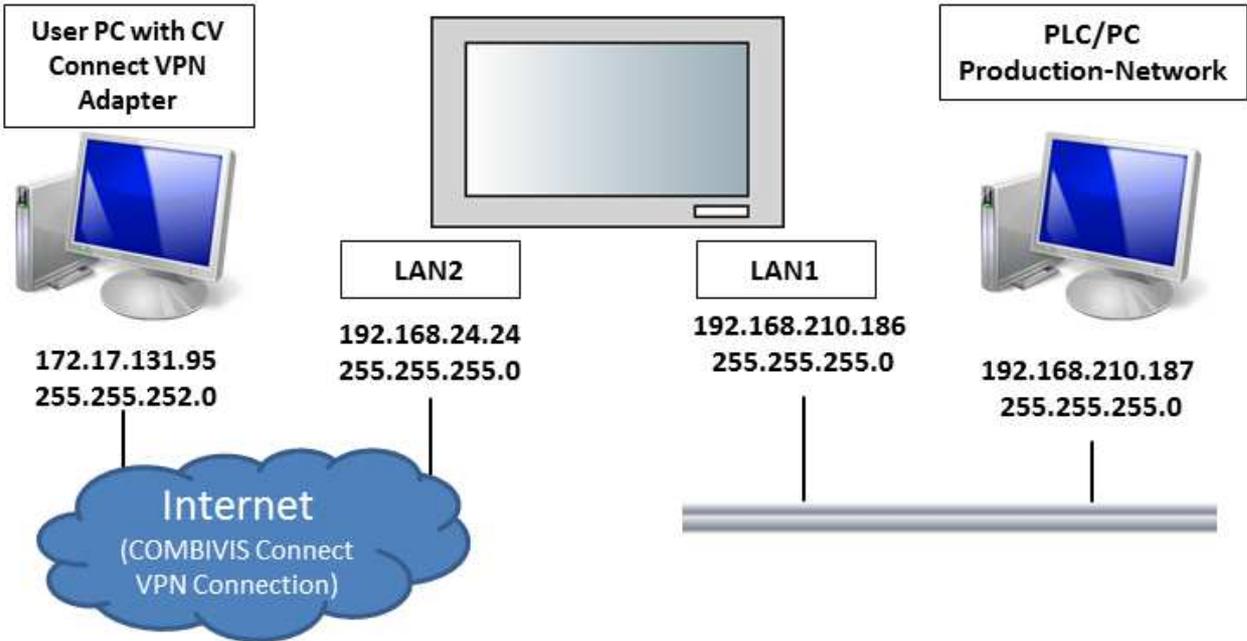


Introduction

This document describes how to create a VPN connection between the virtual COMBIVIS connect adapter on the customers PC and a subnetwork, which is connected to a C6 HMI.

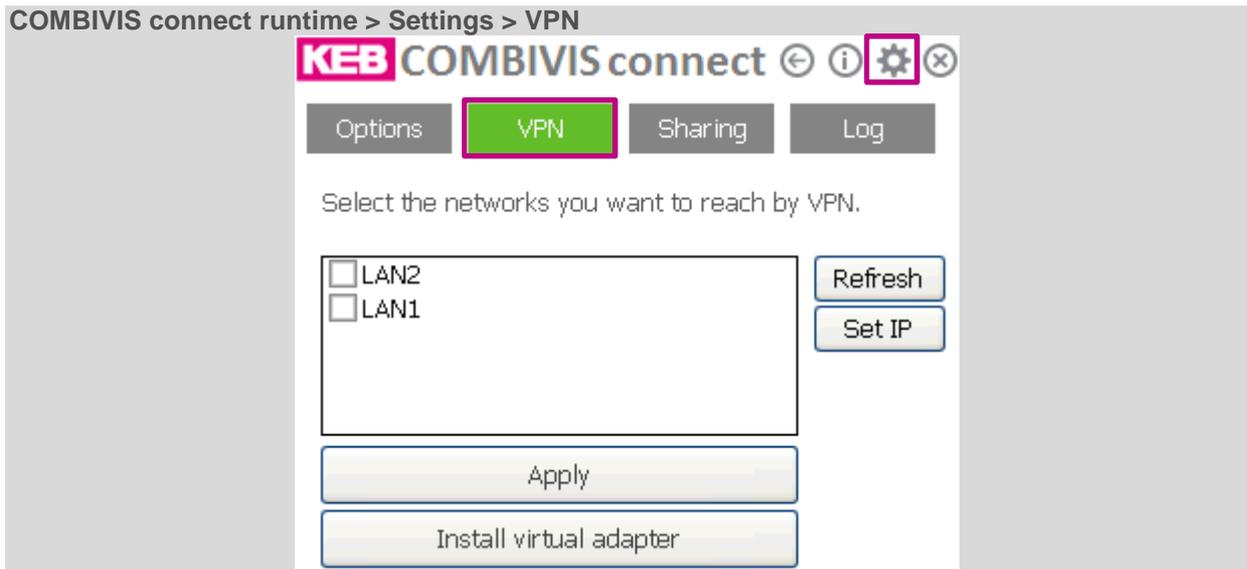
In this sample the LAN2 adapter is set to DHCP, the LAN1 and devices of the subnetwork got static IP-addresses in the same area.

A setup is shown below:

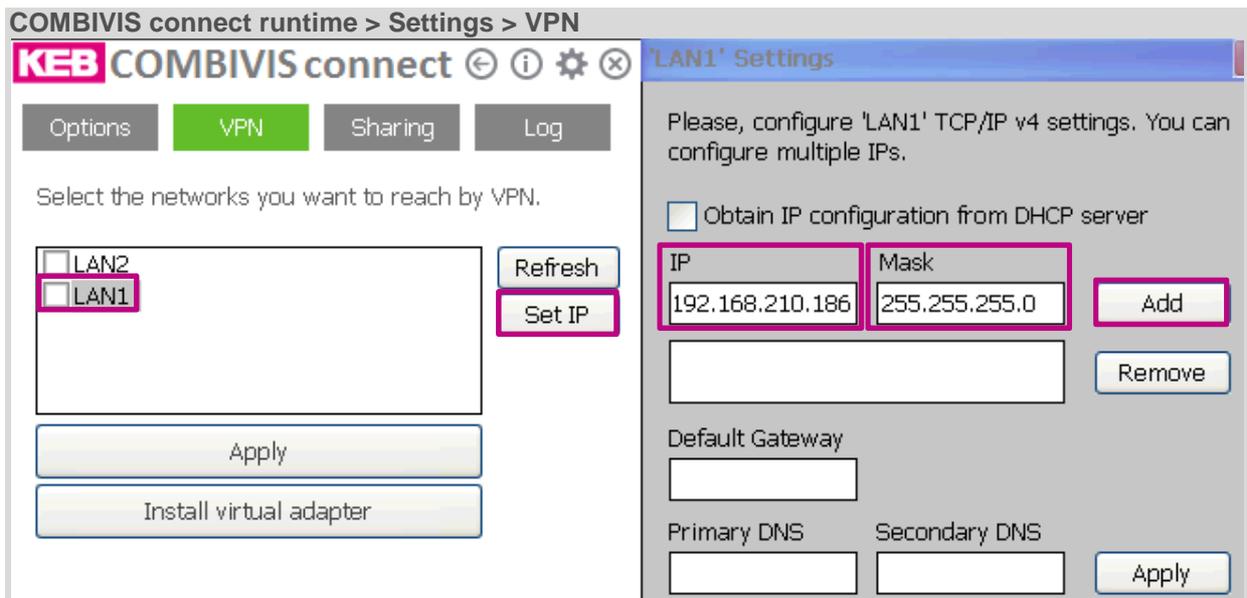


Procedure

1. Open the COMBIVIS connect runtime on the C6 HMI and open the setting “VPN”



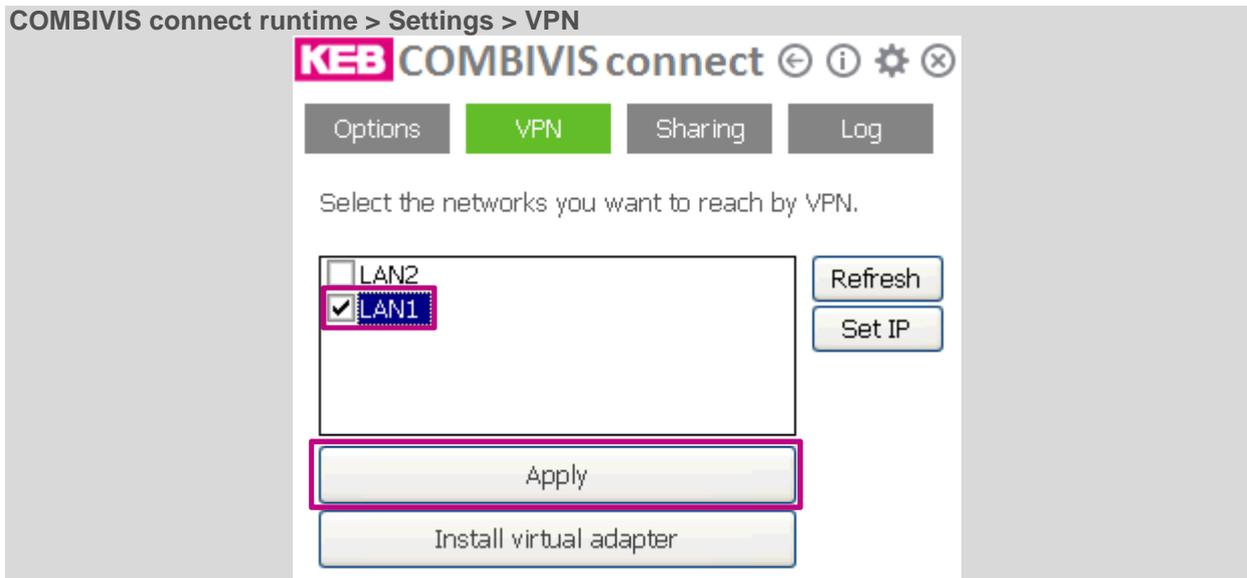
2. Mark the adapter (LAN1 or LAN2), the one you want to connect via VPN to the subnetwork, click on „Set IP“ and insert the settings as needed. The settings will be saved after click on “Apply” and a reboot of the device is mandatory.



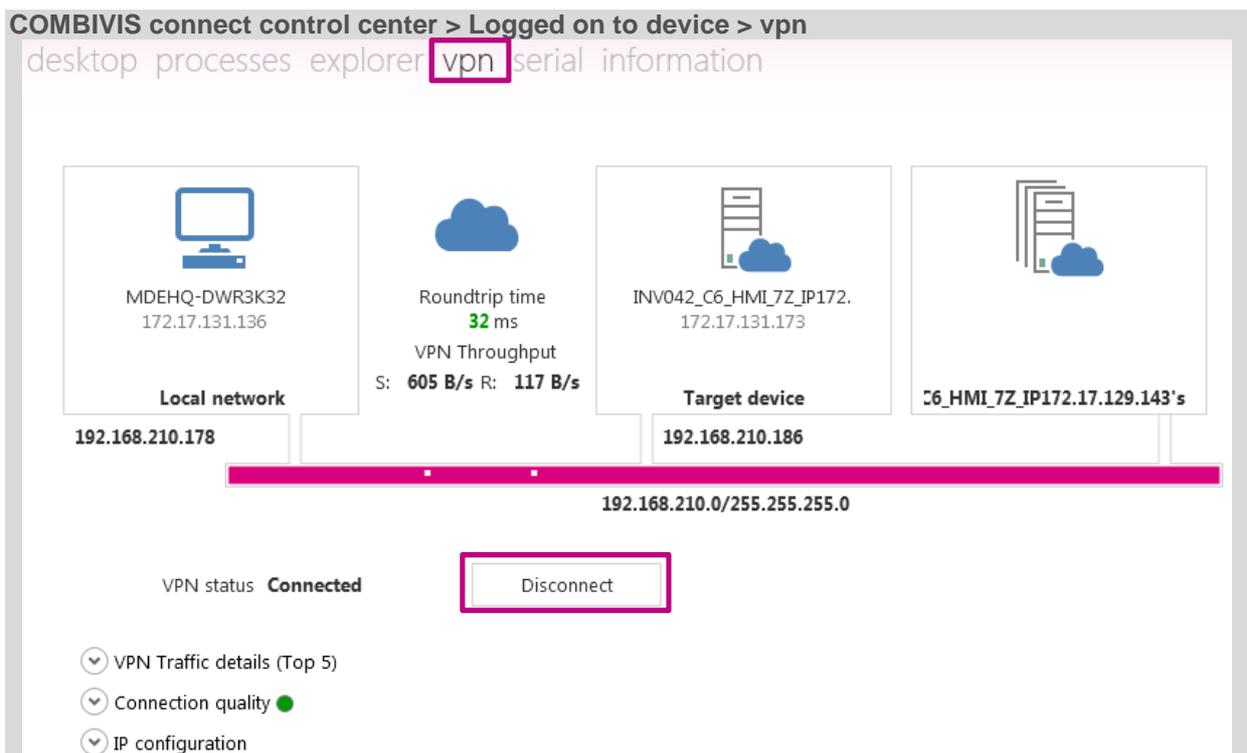
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3. After the reboot, select the adapter you want to reach via VPN and apply the settings.



4. Connect to the C6 HMI via COMBIVIS Connect control center on your PC. Go to the screen "vpn" and create a VPN-Connection by clicking on "Connect".



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Note: The VPN-Connection chooses the right IP-Address, if a device is connected to the used LAN-port. If there is no device connected, the standard-IP-address-area 10.173.249.X will be used. After creating a connection the COMBIVIS Connect VPN-adapter of the user PC will receive an IP address, which lies in the area of the subnet- production-network.

5. To check if the connection and the VPN was successful, it's possible to send a ping-command to all devices of the production network from the user-PC.

A screenshot of a Windows command prompt window titled "User PC > Start > Run". The window shows the execution of a ping command to the IP address 192.168.210.187. The output indicates that the connection is successful, with four packets received and zero lost. The window title bar shows "C:\WINDOWS\system32\cmd.exe" and standard window controls (minimize, maximize, close).

```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. Alle Rechte vorbehalten.

C:\Users\hiermann>ping 192.168.210.187

Ping wird ausgeführt für 192.168.210.187 mit 32 Bytes Daten:
Antwort von 192.168.210.187: Bytes=32 Zeit=103ms TTL=64
Antwort von 192.168.210.187: Bytes=32 Zeit=45ms TTL=64
Antwort von 192.168.210.187: Bytes=32 Zeit=44ms TTL=64
Antwort von 192.168.210.187: Bytes=32 Zeit=45ms TTL=64

Ping-Statistik für 192.168.210.187:
    Pakete: Gesendet = 4, Empfangen = 4, Verloren = 0
    (0% Verlust),
    Ca. Zeitangaben in Millisek.:
    Minimum = 44ms, Maximum = 103ms, Mittelwert = 59ms

C:\Users\hiermann>
```

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KEB Automation KG
Südstraße 38 • D-32683 Barntrup
fon: +49 5263 401-0 • fax: +49 5263 401-116
net: www.keb.de • mail: info@keb.de