

# Networkmanager command line

<https://fedoraproject.org/wiki/Networking/CLI>

Reference Manual: <https://people.freedesktop.org/~lkundrak/nm-docs/nm-settings.html>

Bridging:

<https://www.happyassassin.net/2014/07/23/bridged-networking-for-libvirt-with-networkmanager-2014-fedora-21/>

Aktive Verbindungen zeigen

```
nmcli connection show --active
```

Alle Verbindungen zeigen

```
nmcli connection show
```

Aktivieren

```
nmcli connection up id <connection name>
```

Deaktivieren

```
nmcli connection down id <connection name>
```

Neu anlegen

```
nmcli connection edit con-name <name of new connection>
```

Konfigurieren

mit goto navigieren, mit back zurück. describe beschreibt Optionen.

Z.B. mit describe bridge:

```
===| nmcli interactive connection editor |===
```

```
Adding a new 'bridge' connection
```

```
Type 'help' or '?' for available commands.
```

```
Type 'describe [<setting>.<prop>]' for detailed property description.
```

```
You may edit the following settings: connection, bridge, 802-3-ethernet  
(ethernet), ipv4, ipv6
```

```
nmcli> describe
```

```
Error: no setting selected; valid are [connection, bridge, 802-3-ethernet  
(ethernet), ipv4, ipv6]
```

```
use 'goto <setting>' first, or 'describe <setting>.<property>'
```

```
nmcli> describe bridge
```

```
<<<bridge>>>
```

```
=== [mac-address] ===
```

```
[NM property description]
```

If specified, the MAC address of bridge. When creating a new bridge, this MAC address will be set. When matching an existing (outside NetworkManager created) bridge, this MAC address must match.

```
=== [stp] ===
```

```
[NM property description]
```

Controls whether Spanning Tree Protocol (STP) is enabled for this bridge.

```
=== [priority] ===
```

```
[NM property description]
```

Sets the Spanning Tree Protocol (STP) priority for this bridge. Lower values are "better"; the lowest priority bridge will be elected the root bridge.

```
=== [forward-delay] ===
```

```
[NM property description]
```

The Spanning Tree Protocol (STP) forwarding delay, in seconds.

```
=== [hello-time] ===
```

```
[NM property description]
```

The Spanning Tree Protocol (STP) hello time, in seconds.

```
=== [max-age] ===
```

```
[NM property description]
```

The Spanning Tree Protocol (STP) maximum message age, in seconds.

```
=== [ageing-time] ===
```

```
[NM property description]
```

The Ethernet MAC address aging time, in seconds.

Mit set wird eine property gesetzt

z.B.

```
set bridge.stp true
```

```
set bridge.mac 78:24:af:88:eb:99
```

```
nmcli ipv4> set ipv4.addresses 192.168.72.1
```

```
nmcli ipv4>?
```

```
-----  
--
```

```
---[ Main menu ]---
```

```
goto      [<setting> | <prop>]      :: go to a setting or property
```

```
remove    <setting>[.<prop>] | <prop> :: remove setting or reset property
```

```
value
set      [<setting>.<prop> <value>]  :: set property value
describe [<setting>.<prop>]          :: describe property
print    [all | <setting>[.<prop>]]  :: print the connection
verify   [all | fix]                :: verify the connection
save     [persistent|temporary]      :: save the connection
activate [<ifname>] [/<ap>|<nsp>]    :: activate the connection
back     :: go one level up (back)
help/?   [<command>]                :: print this help
nmcli    <conf-option> <value>      :: nmcli configuration
quit     :: exit nmcli
-----
--
```

**print** listet die gesetzten Einstellungen auf.

**verify** verifiziert die Einstellungen

**save persistent** sichert die Einstellungen und aktiviert die Verbindung sofort

From:

<https://wiki.netzwissen.de/> - **netzwissen.de Wiki**

Permanent link:

<https://wiki.netzwissen.de/doku.php?id=networkmanager&rev=1503768008>

Last update: **05/03/2024 - 10:52**

