



Rocky Enterprise Linux 9.2 Manual Pages on command 'systemd-networkd.8'

C:\>man systemd-networkd.8

SYSTEMD-NETWORKD.SERVICE(8) systemd-networkd.service SYSTEMD-NETWORKD.SERVICE(8)

NAME

systemd-networkd.service, systemd-networkd - Network manager

SYNOPSIS

systemd-networkd.service

/lib/systemd/systemd-networkd

DESCRIPTION

systemd-networkd is a system service that manages networks. It detects and configures network devices as they appear, as well as creating virtual network devices.

To configure low-level link settings independently of networks, see [systemd.link\(5\)](#).

systemd-networkd will create network devices based on the configuration in [systemd.netdev\(5\)](#) files, respecting the [Match] sections in those files.

systemd-networkd will manage network addresses and routes for any link for which it finds a [.network](#) file with an appropriate [Match] section, see [systemd.network\(5\)](#).

For those links, it will flush existing network addresses and routes when bringing up the device. Any links not matched by one of the [.network](#) files will be ignored.

It is also possible to explicitly tell systemd-networkd to ignore a link by using `Unmanaged=yes` option, see [systemd.network\(5\)](#).

When systemd-networkd exits, it generally leaves existing network devices and configuration intact. This makes it possible to transition from the `initramfs` and

to restart the service without breaking connectivity. This also means that when configuration is updated and `systemd-networkd` is restarted, `netdev` interfaces for which configuration was removed will not be dropped, and may need to be cleaned up manually.

`systemd-networkd` may be introspected and controlled at runtime using `networkctl(1)`.

CONFIGURATION FILES

The configuration files are read from the files located in the system network directory `/lib/systemd/network`, the volatile runtime network directory `/run/systemd/network` and the local administration network directory `/etc/systemd/network`.

Networks are configured in `.network` files, see `systemd.network(5)`, and virtual network devices are configured in `.netdev` files, see `systemd.netdev(5)`.

SEE ALSO

`networkctl(1)`, `systemd(1)`, `systemd.link(5)`, `systemd.network(5)`, `systemd.netdev(5)`, `systemd-networkd-wait-online.service(8)`, `systemd-networkd-generator.service(8)`

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