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Rocky Enterprise Linux 9.2 Manual Pages on command 'nm-initrd-generator.8'

\$ man nm-initrd-generator.8

NM-INITRD-GENERATOR(8)

System Administration

NM-INITRD-GENERATOR(8)

NAME

nm-initrd-generator - early boot NetworkManager configuration generator

SYNOPSIS

nm-initrd-generator [OPTIONS...] -- [CMDLINE...]

DESCRIPTION

nm-initrd-generator scans the command line for options relevant to network configuration and creates configuration files for an early instance of NetworkManager run from the initial ramdisk during early boot.

OPTIONS

-c | --connections-dir path

Output connection directory.

-p | --persistent-connections-dir path

Persistent connection directory. If it exists, rd.neednet will not cause a default connection to be generated in absence of other options.

-i | --initrd-data-dir path

Output directory for initrd data (e.g. hostname).

-d | --sysfs-dir path

The sysfs mount point.

-r | --run-config-dir path

Output directory for config files.

-s | --stdout

Dump connections to standard output. Useful for debugging.

CMDLINE

The options that appear on the kernel command line. The following options are recognized:

- ip
- rd.route
- bridge
- bond
- team
- vlan
- ib.pkey
- bootdev
- nameserver
- rd.peerdns
- rd.bootif
- rd.ethtool
- rd.net.timeout.dhcp
- rd.net.timeout.carrier
- rd.znet
- rd.znet_ifnames

BOOTIF

Please consult the `dracut.cmdline(7)` manual for the documentation of the precise format of the values supported.

DIFFERENCES FROM THE NETWORK-LEGACY DRACUT MODULE

`nm-initrd-generator` generates a set of connections that are then configured by the `NetworkManager` instance running in the `initrd`. There are some differences in behavior compared to the `network-legacy` `dracut` module:

- ? When an interface is configured with a static address and a gateway, the `network-legacy` module waits that the gateway responds to `arping` requests before proceeding, while `NetworkManager` doesn't.
- ? `network-legacy` configures interfaces one by one in the order in which they are announced by `udev`. If multiple interfaces specify a hostname (from command line or from `DHCP`), the one from the last interface activated wins. With `NetworkManager`, hostnames from command line have higher precedence over ones from `DHCP`, and the last

that appears in the command line wins.

- ? NetworkManager supports the `ib.pkey=PARENT.PKEY` argument to set up an Infiniband partition on IPoIB parent device `PARENT` using the specified partition key `PKEY`. The partition key must be in hexadecimal notation without leading "0x", for example `"ib.pkey=ib0.8004"`.
- ? NetworkManager supports the `rd.ethtool=INTERFACE:AUTONEG:SPEED` kernel command line option to set up ethtool NIC configuration parameters `AUTONEG` and `SPEED`. The `INTERFACE` being configured must be specified, and the other parameters are optional and can be left blank. When `SPEED` is set, duplex mode is automatically set to 'full'. `INTERFACE` accepts string values, `AUTONEG` accepts boolean values (true and false / on or off / 0 or 1), and `SPEED` accepts positive integer values.

EXIT STATUS

`nm-initrd-generator` exits with status 0. It ignores unrecognized options and prints an error message if it encounters a malformed option.

SEE ALSO

`dracut cmdline(7)`, `NetworkManager(8)`.

`NetworkManager 1.36.6`

`NM-INITRD-GENERATOR(8)`