NAME

netplan−generate − generate backend configuration from netplan YAML files

SYNOPSIS

netplan [–debug] **generate** −h | –help

netplan [–debug] **generate** [–root−dir *ROOT_DIR*] [–mapping *MAPPING*]

DESCRIPTION

netplan generate converts netplan YAML into configuration files understood by the backends (**systemd−networkd**(8) or **NetworkManager**(8)). It *does not* apply the generated configuration.

You will not normally need to run this directly as it is run by **netplan apply**, **netplan try**, or at boot.

For details of the configuration file format, see **netplan**(5).

OPTIONS

−h, –help
Print basic help.

–debug Print debugging output during the process.

–root−dir *ROOT_DIR*
Instead of looking in /{lib,etc,run}/netplan, look in /*ROOT_DIR*/{lib,etc,run}/netplan

–mapping *MAPPING*
Instead of generating output files, parse the configuration files and print some internal information about the device specified in *MAPPING*.

HANDLING MULTIPLE FILES

There are 3 locations that netplan generate considers:

- /lib/netplan/*.yaml
- /etc/netplan/*.yaml
- /run/netplan/*.yaml

If there are multiple files with exactly the same name, then only one will be read. A file in /run/netplan will shadow − completely replace − a file with the same name in /etc/netplan. A file in /etc/netplan will itself shadow a file in /lib/netplan.

Or in other words, /run/netplan is top priority, then /etc/netplan, with /lib/netplan having the lowest priority.

If there are files with different names, then they are considered in lexicographical order − regardless of the directory they are in. Later files add to or override earlier files. For example, /run/netplan/10−foo.yaml would be updated by /lib/netplan/20−abc.yaml.

If you have two files with the same key/setting, the following rules apply:

- If the values are YAML boolean or scalar values (numbers and strings) the old value is overwritten by the new value.
- If the values are sequences, the sequences are concatenated − the new values are appended to the old list.
- If the values are mappings, netplan will examine the elements of the mappings in turn using these rules.

SEE ALSO

netplan(5), **netplan−apply**(8), **netplan−try**(8), **systemd−networkd**(8), **NetworkManager**(8)

AUTHORS

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