

NAME

netplan-dbus - daemon to access netplan's functionality via a DBus API

SYNOPSIS

netplan-dbus

DESCRIPTION

netplan-dbus is a DBus daemon, providing `io.netplan.Netplan` on the system bus. The `/io/netplan/Netplan` object provides an `io.netplan.Netplan` interface, offering the following methods:

- `Apply()` -> `b`: calls **netplan apply** and returns a success or failure status.
- `Generate()` -> `b`: calls **netplan generate** and returns a success or failure status.
- `Info()` -> `a(sv)`: returns a dict "Features -> as", containing an array of all available feature flags.
- `Config()` -> `o`: prepares a new config object as `/io/netplan/Netplan/config/<ID>`, by copying the current state from `{etc,run,lib}/netplan/*.yaml`

The `/io/netplan/Netplan/config/<ID>` objects provide a `io.netplan.Netplan.Config` interface, offering the following methods:

- `Get()` -> `s`: calls **netplan get --root-dir=/run/netplan/config-ID all** and returns the merged YAML config of the the given config object's state
- `Set(s:CONFIG_DELTA, s:ORIGIN_HINT)` -> `b`: calls **netplan set --root-dir=/run/netplan/config-ID --origin-hint=ORIGIN_HINT CONFIG_DELTA**

`CONFIG_DELTA` can be something like: `network.ethernets.eth0.dhcp4=true` and `ORIGIN_HINT` can be something like: `70-snapd` (it will then write the config to `70-snapd.yaml`). Once `Set()` is called on a config object, all other current and future config objects are being invalidated and cannot `Set()` or `Try()/Apply()` anymore, due to this pending dirty state. After the dirty config object is rejected via `Cancel()`, the other config objects are valid again. If the dirty config object is accepted via `Apply()`, newly created config objects will be valid, while the older states will stay invalid.

- `Try(u:TIMEOUT_SEC)` -> `b`: replaces the main netplan configuration with this config object's state and calls **netplan try --timeout=TIMEOUT_SEC**
- `Cancel()` -> `b`: rejects a currently running `Try()` attempt on this config object and/or discards the config object
- `Apply()` -> `b`: replaces the main netplan configuration with this config object's state and calls **netplan apply**

For information about the `Apply()/Try()/Get()/Set()` functionality, see **netplan-apply(8)/netplan-try(8)/netplan-get(8)/netplan-set(8)** accordingly. For details of the configuration file format, see **netplan(5)**.

SEE ALSO

netplan(5), **netplan-apply(8)**, **netplan-try(8)**, **netplan-get(8)**, **netplan-set(8)**

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