

**NAME**

kaco2mqttd.conf – Configuration file for the kaco2mqttd daemon

**DESCRIPTION**

The file *kaco2mqttd.conf* is used as system wide configuration for *kaco2mqttd*. This file contains the runtime configuration for the daemon and the settings to access the MQTT server as well as those for the serial device, where the USB-RS485 adapter is connected. More details regarding operating *kaco2mqttd* you will find in manual page *kaco2mqttd*(8).

**DEFAULT CONFIGURATION FILE**

The default file is shipped with *kaco2mqttd* and contains the default settings which are typical examples to access MQTT server, serial device and one inverter:

```
# configuration file for kaco2mqttd
#
# MQTT server data
host=localhost
port=1883
username=kacouser
password=secret
# serial device for RS485 connection
device=/dev/ttyUSB0
# group to access RS485 device
group=dialout
# interval for inverter poll commands in seconds
interval=10
# inverter address list, e.g. 1 or 1 2 3 or 7 9 12 18
addresses=1
```

**FILE FORMAT**

The configuration file is saved in a plain text format that consists of key/value pairs line by line, each separated by character "=". Comment lines begin with a "#". Empty lines are ignored when reading in.

If errors occur while reading the configuration file, the daemon will send appropriate notifications to the syslog daemon. These can be tracked via the */var/log/syslog* file, for example in a terminal window with the following command:

```
tail -f /var/log/syslog
```

The order of the key/value pairs is not predefined. There are no other keywords that are valid. The values shown in the example above are also the default values used by the *kaco2mqttd* daemon if a key is not found when the file is read.

**Key values**

- host** This value configures the host address of the MQTT server. This can be specified as an IP4 or IP6 address and as a hostname that can be resolved via DNS. The default value here is *localhost*.
- port** This key contains the value for the port address of the MQTT server. By default, this is the value *1883*, a change here should only be necessary in the rarest of cases.
- username**  
The user name for accessing the MQTT server is entered here. This must be defined individually.
- password**  
The password for the MQTT user configured above is entered here.
- device** This value specifies the serial interface the USB-RS485 adapter is connected to. As a rule, this is the value */dev/ttyUSB0*. However, this value may vary depending on how many USB interfaces have already been created.
- group** The name of the group required to access the serial interface is entered here. As a rule, this is the value *dialout*. If the USB-RS485 adapter is plugged in, this value can be looked up using the

following command:

```
ls -l /dev/ttyUSB0
```

**interval** This numerical value defines the query interval for the inverter data. It must be an integer and its unit is specified in "seconds". The default value is *10*, so that a query interval of 10 seconds results. If several inverters are to be queried, they are queried immediately one after the other. The interval time then follows the query of the last inverter.

**addresses**

This value defines the address of the inverter respectively inverters on the RS485 bus. This address value can be viewed in the operating menu of the corresponding inverter. The value range from 1 to 32 is valid here. If several inverters are to be queried, the addresses must be entered here as values separated by spaces in one line, i.e. as follows:

```
# example for one address with value 1
addresses=1
```

```
# example for three inverter addresses with the respective address
# values 1, 2 and 3
addresses=1 2 3
```

```
# example for four non sequential inverter addresses
addresses=7 11 13 21
```

Up to 32 inverter addresses can be entered.

## FILES

*/etc/kaco2mqtttd.conf*

## SEE ALSO

*kaco2mqtd(8)*

## AUTHORS

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