

Zigbee2MQTT in LXC

Z2M in Proxmox's LXC

Installation hints: [Linux](#)

3rd party Proxmox installer scripts:

1. `bash -c "$(wget -qLO - https://github.com/tteck/Proxmox/raw/main/ct/zigbee2mqtt.sh)"`
2. <https://raw.githubusercontent.com/tteck/Proxmox/main/ct/zigbee2mqtt.sh>
3. `build.func`

CT configuration

- unprivileged
- keyctl, nesting
- additional permissions to access USB dongle:

```
lxc.cgroup2.devices.allow: c 188:* rwm
lxc.mount.entry: /dev/serial/by-id dev/serial/by-id none
bind,optional,create=dir
lxc.mount.entry: /dev/ttyUSB0 dev/ttyUSB0 none
bind,optional,create=file
```

- unprivileged container has mapped own UID to host uids 100000 and higher. So dialout GID=20 in LXC is visible for host as 100020. It is need to give correct permissions to device node:

```
chown 100000:100020 /dev/ttyUSB0
```

Guest system

Zigbee2MQTT requires:

```
# Verify that the correct nodejs and npm (automatically installed with
nodejs)
# version has been installed
node --version # Should output v14.X, V16.x, V17.x or V18.X
npm --version # Should output 6.X, 7.X or 8.X
```

So best is to start with Debian 12 bookworm system.

HA

Get MQTT user and password from MQTT settings or create new HA user which also will become MQTT user.

Enable [MQTT Discovery](#)

From:

<https://niziak.spox.org/wiki/> - **niziak.spox.org**

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