

Building and Configuring Zigbee2mqtt with BLZ Protocol Support

version: 1.2

Prerequisites

- An MQTT Broker (e.g., Mosquitto) installed and running.
- Git installed.
- For an overview of a standard setup for node.js, see the [official Zigbee2mqtt Installation guide](#).

Step 1: Install Local Dependency (zigbee-herdsman)

1. Clone the **zigbee-herdsman** repository from the BLZ feature branch:

```
git clone -b feat/blz https://github.com/fangzheli/zigbee-herdsman.git
```

2. Enter the directory:

```
cd zigbee-herdsman
```

3. Install dependencies:

```
pnpm install
```

Step 2: Clone and Build Zigbee2mqtt

1. Go up one directory:

```
cd ..
```

2. Clone the **zigbee2mqtt** repository from the BLZ feature branch:

```
git clone -b feat/blz-local-dev https://github.com/fangzheli/zigbee2mqtt.git
```

3. Enter the directory:

```
cd zigbee2mqtt
```

4. Install dependencies:

```
pnpm install
```

Step 3: Configure Zigbee2mqtt for BLZ Protocol

1. Open (or create) the Zigbee2mqtt configuration file (`data/configuration.yaml`).
 - If the `data/configuration.yaml` file doesn't exist, copy and rename the `configuration.example.yaml` from the same directory.
2. Set the following options:
 - **Adapter:** `BLZ`
 - **Baud rate:** `2000000` (2M baud)

- **Port:** The appropriate serial port for your system (e.g., `/dev/ttyUSB0`).
3. Save the configuration file.

Step 4: Start Zigbee2mqtt

1. Launch Zigbee2mqtt under zigbee2mqtt folder:

```
pnpm start
```

Additional Notes

- Ensure your MQTT Broker is running and properly configured **before** starting Zigbee2mqtt.
- Use the BLZ feature branch URLs and instructions above to access the BLZ protocol support.
- For more details, refer to the [official Zigbee2mqtt GitHub repository](#).