Introduction

This document explains how to use *wiwCheck* node.

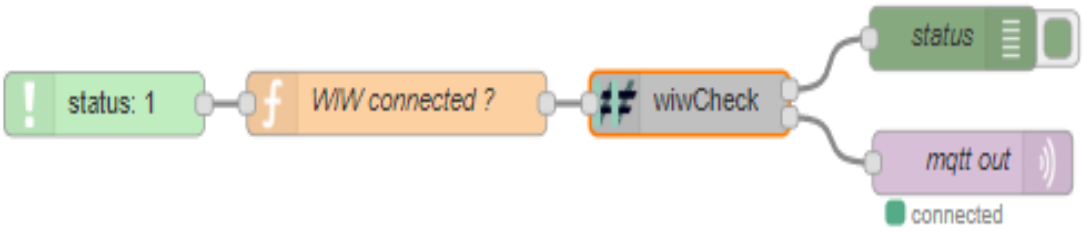
wiwCheck manages communication states.

It is :

- optional (but recommended) when *wiwMqttConfig's wiwConnected* parameter is set to true,
- mandatory when *wiwMqttConfig's wiwConnected* parameter is set to false (otherwise nothing can be sent because Mqtt client is supposed disconnected).

The main goal of wiwCheck is to store messages when Mqtt connection is not available, and send them when connection comes back ON.

The flow



Third party dependencies

A *Mqtt broke*r must be running. See *mqttBroker* document for more information.

Explanation

This flow demonstrates how to use *wiwCheck* to manage communication states and avoid loosing messages (to some extent) when *Mqtt broker* can not be reached.

First line

The *status* node reacts to all Mqtt's connection status modification.

The *function* node uses the status to setup the *wiwConnected* attribute. This attribute is then provided to *wiwCheck* node for it to handle the connection state to Mqtt.

wiwCheck's first output provides current connection status and others properties explained in *wiwCheck*'s documentation.

When *Mqtt broker* comes back online, *wiwCheck*'s second output will provide every message stored while the connection was interrupted (in the order they have been added).

Note

Please make sure to use the right *Mqtt* broker settings in the *Mqtt* client setup.