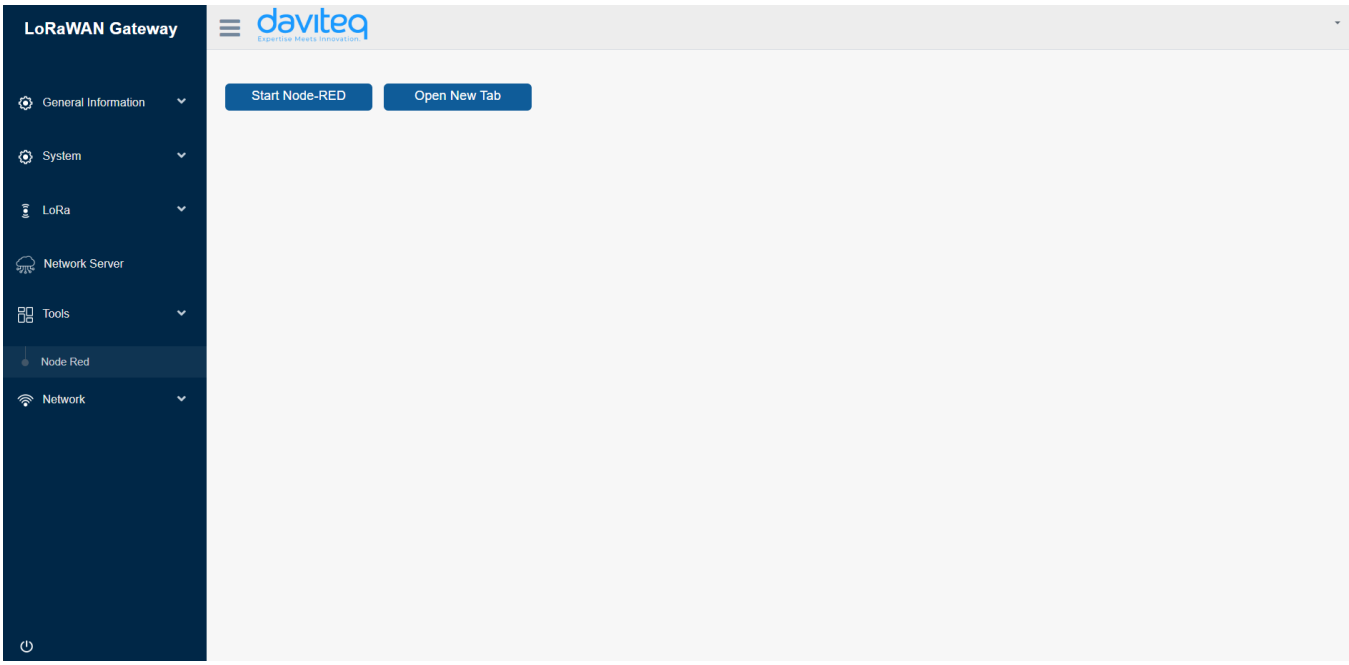
Instructions to configure embedded Node RED development tool in PINEX

Node-RED Version

The embedded version Node-RED in the PINEX gateway firmware 6 is v3.x

Turn on Node Red

Navigate to Tool on the left panel→ click Node Red → click Star Node-Red then click Open New Tab



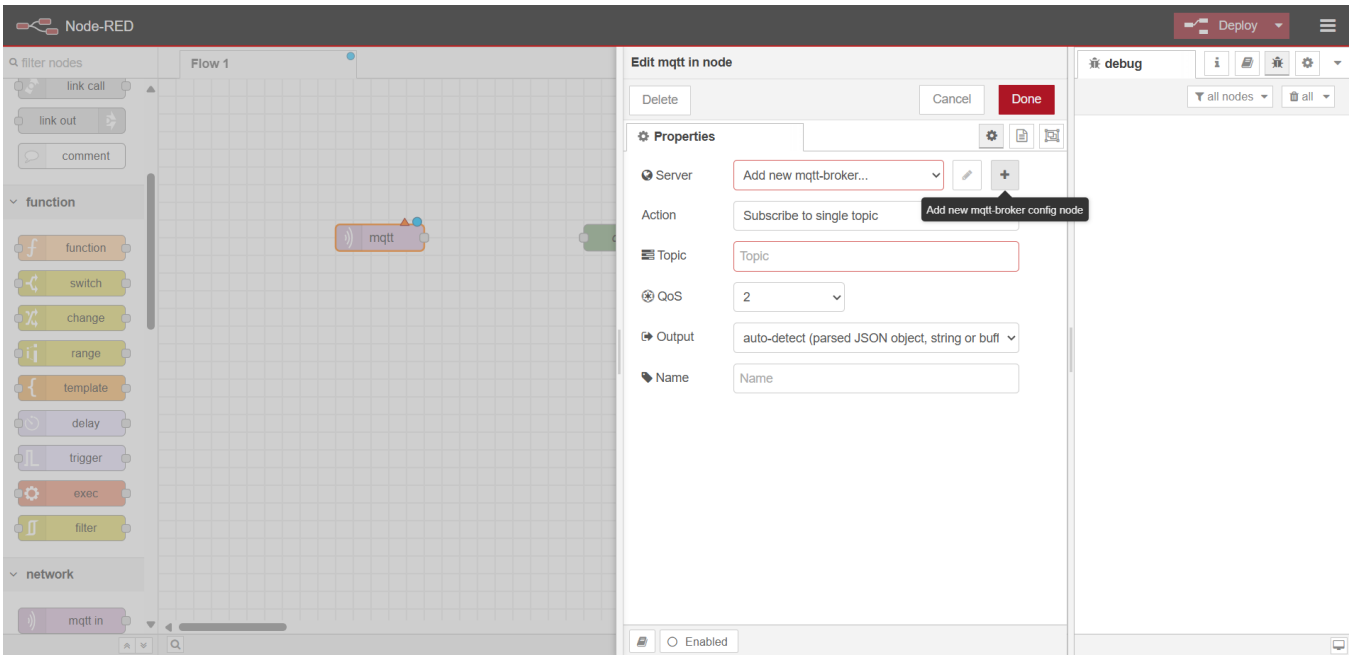
Setup Connection

Prerequisite:

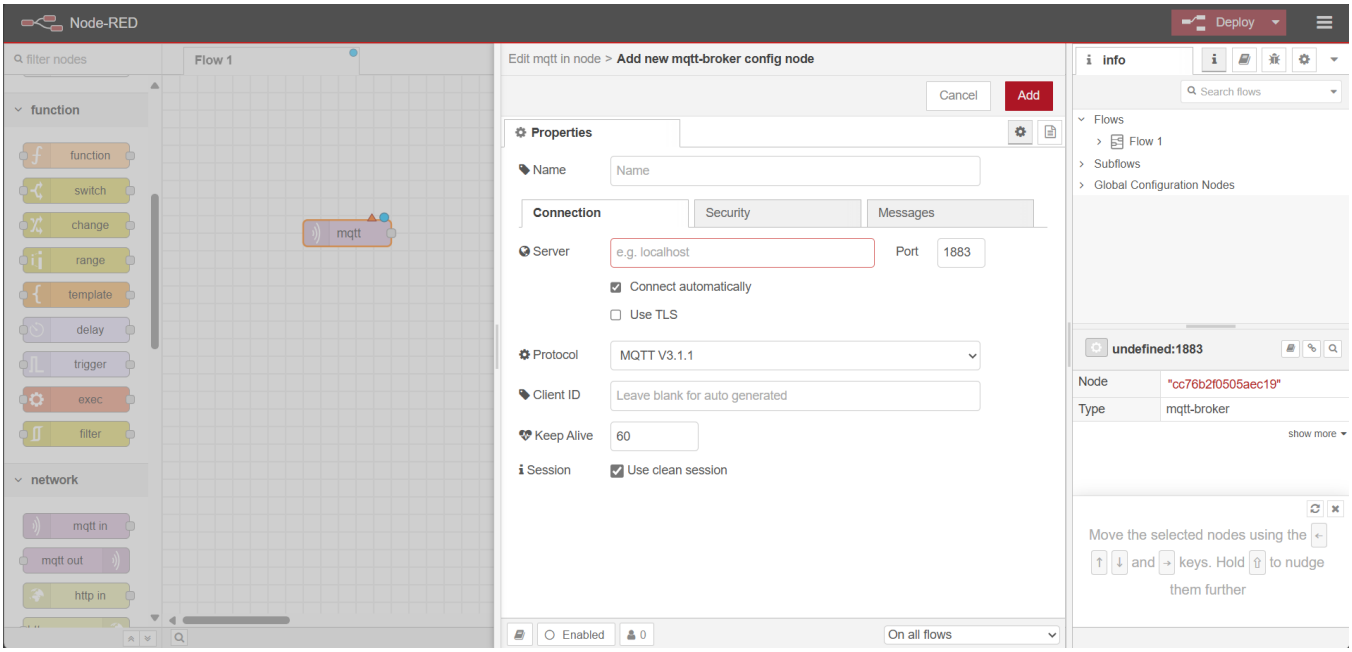
> *The Embedded Chirp Stack Network Server in the PINEX gateway must be active and configured properly to forward data to embedded Node RED development tool. Details to activate and configure embedded Chirp Stack are at the link:*
>
> *https://daviteq.com/en/manuals/books/manual-for-lorawan-sensor/page/instruction-to-configure-embedded-chirpstack-network-server-in-pinex-firmware-6*

Use the MQTT-in node to receive data from embedded Chirp Stack Network Server

Double click mqtt node→ click + Add new mqtt-broker config node and Fill in the following fields

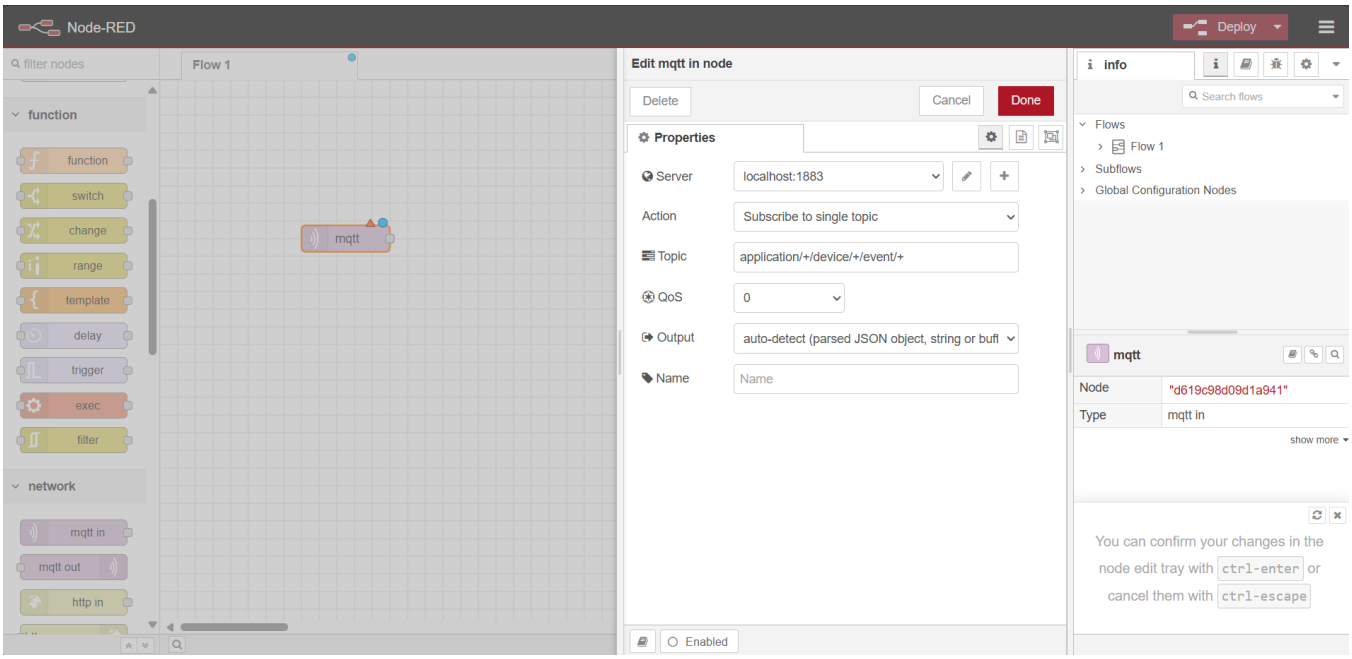


- Server: localhost
- Port: 1883
- Protocol: Select MQTT V3.1.1
- Client ID: Leave blank for auto generated
- Click Add to save settings

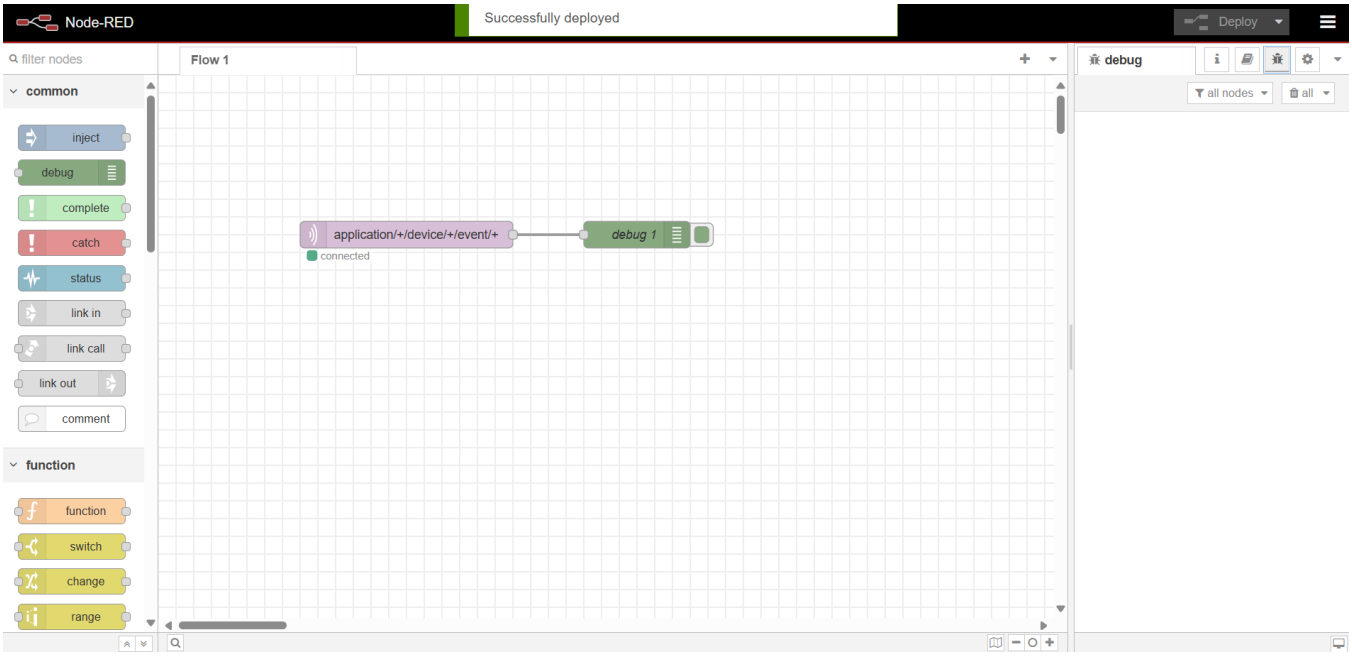


Configure mqtt node following field (after adding mqtt broker)

- Topic: application/+/device/+/event/+
- QoS: 0
- Output: auto-detect



Add debug node and click deploy



Further reference

For further reference on Node RED development tool, please access the referenced document at link:

Low-code programming for event-driven applications : Node-RED

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★ Created Mon, May 5, 2025 10:21 AM by Phan Van Luc
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