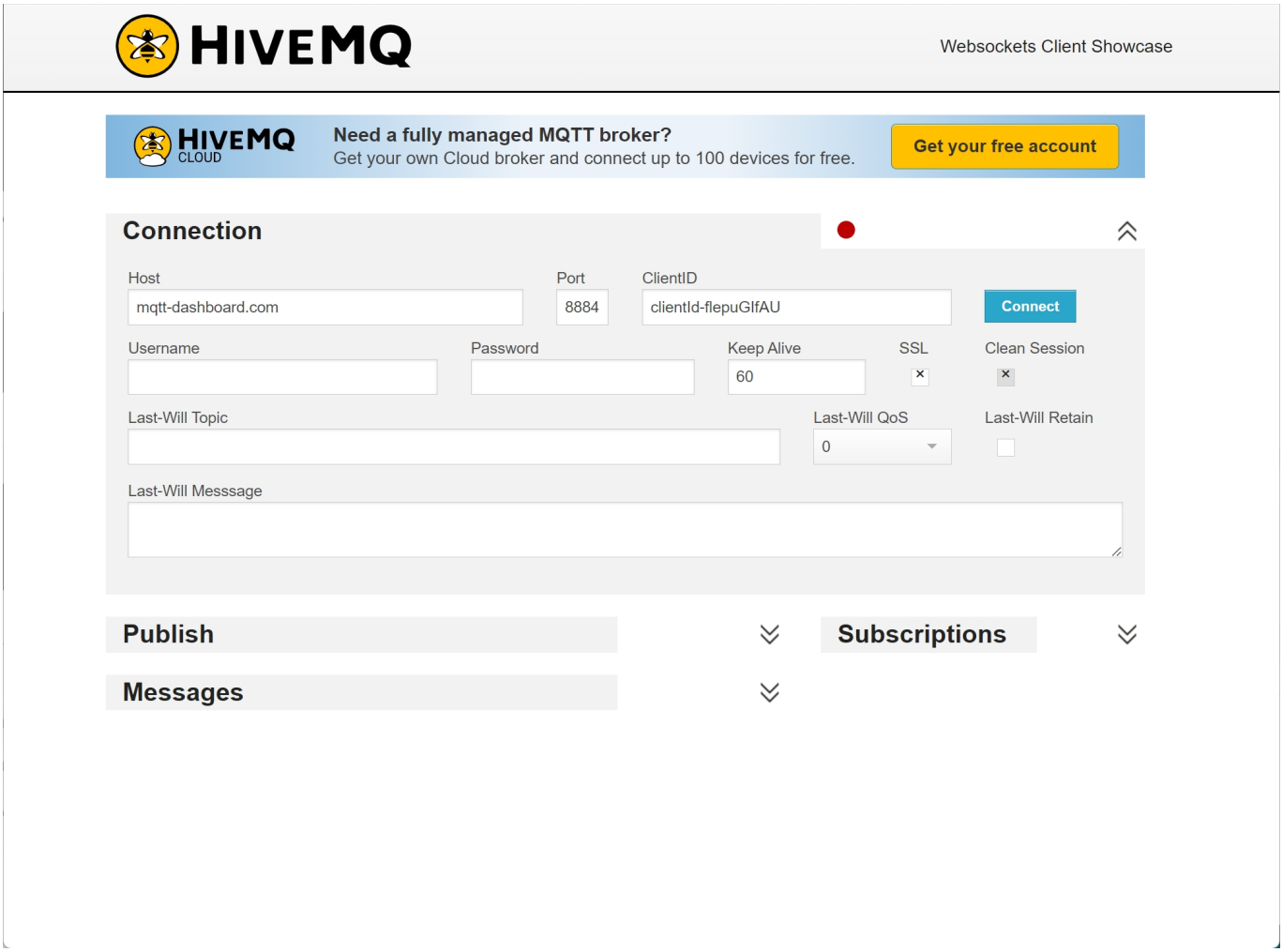
HiveMQ Websocket Client - User Manual

The HiveMQ Websocket Client is a simple tool for testing MQTT message subscriptions and publishing. This guide will help you connect to the client, subscribe to topics, and publish messages.



URL to Access

Visit the client at HiveMQ Websocket Client.

Steps to Use the MQTT Client

1. Connect to the MQTT Broker

1. **Enter Connection Details**:
   - **Host**: Use the broker `06a68c084516440da5d6c84b6514ed49.s1.eu.hivemq.cloud`.
   - **Port**: The default port is `8884` (for SSL-enabled Websocket Port connection). No need to change.
   - **ClientID**: Auto-generated by default. You can replace it with your unique identifier.
   - **Username and Password**: Test username would be `webui` and password would be `1qaz@WSX`.
   - **Keep Alive**: Default is `60` seconds. This defines the interval for sending PING messages. No need to change.

- **SSL**: Check this box to enable an encrypted connection. No need to change.

2. **Connect**:
   - Click the **Connect** button to establish a connection with the broker.
   - A successful connection will display a red indicator turning green.

---

2. Subscribe to a Topic (Getting status from the farm kit)

1. Expand the **Subscriptions** section. Click on `Add New Topic Subscription` button
2. Enter the topic name in the text field.
   - Use `#` to subscribe to all topics or enter specific topic like `farm/esp32_01/pir/state` according to our MQTT protocol.
   - Set QoS level to `0` since our ESP32 kit only support this.
3. Click the **Subscribe** button.
4. Messages for the subscribed topic(s) will appear in the **Messages** section.

---

3. Publish a Message (Controlling the farm kit)

1. Expand the **Publish** section.
2. Enter the topic name in the **Topic** field.
   - Example: `farm/esp32_01/servo/cmd`.
3. Write your message in the **Message** field. Should be a valid JSON object.
   - Example: `{ "position": "OPEN" }`
4. Set the **QoS** level 0 since our ESP32 kit only support this.
5. Click the **Publish** button to send the message.

---

4. View Messages

1. Expand the **Messages** section to see incoming messages from the subscribed topics.
2. Each message will display the **Topic** name, **QoS**, and the message content.

Notes

- The wildcard topic `#` can be used to subscribe to all topics for testing.
- Ensure you use an active internet connection to communicate with the broker.
- Refresh the page if you encounter connectivity issues.

Enjoy testing your MQTT applications with the HiveMQ Websocket Client!