

IClientSubscribeOptions

August 18, 2026

IClientSubscribeOptions

Kind: Interface

Source: [packages/microservices/external/mqtt-options.interface.ts](#)

Part of: [Microservices](#)

`IClientSubscribeOptions` defines configuration for MQTT topic subscriptions in the microservices transport layer. It currently specifies the Quality of Service (`qos`) level used when subscribing, controlling message delivery guarantees between the MQTT broker and client.

Properties

Property	Type
<code>qos</code>	<code>QoS</code>

Diagram

```
graph LR
  Client["Client[MQTT Client]"] -->|subscribe(topic, options)| Options["Options[IClientSubscribeOptions]"]
  Options -->|qos| QoS["QoS[MQTT QoS Level]"]
  Client --> Broker["Broker[MQTT Broker]"]
  Broker -->|messages with delivery guarantee| Client
```

Usage

```
import { QoS } from 'mqtt-packet';
import type { IClientSubscribeOptions } from './mqtt-options.interface';

const subscribeOptions: IClientSubscribeOptions = {
  qos: QoS.AtLeastOnce,
};
```

```
mqttClient.subscribe('devices+/status', subscribeOptions, (error) => {  
  if (error) {  
    console.error('Unable to subscribe to device status updates', error);  
  }  
});
```

AI Coding Instructions

- Provide a valid MQTT `QoS` enum value for `qos`; do not use arbitrary numeric values unless supported by the MQTT client dependency.
- Match the subscription QoS level to delivery requirements: lower levels favor performance, while higher levels provide stronger delivery guarantees.
- Pass this interface as the options object when integrating with MQTT client `subscribe()` calls.
- Keep subscription options transport-specific; avoid reusing MQTT QoS settings for non-MQTT microservice transports.