

ADMQ for MQTT over WebSocket使用说明

通过WebSocket使用MQTT

配置文件参数

Admq单机部署

配置config/standalone.conf文件

设置MQTT服务器侦听器

```
## ip根据主机修改
mqttListeners=mqtt://127.0.0.1:1883,ws://127.0.0.1:8083
## 采用tls
#mqttListeners=mqtt://127.0.0.1:1883,mqtt+ssl://127.0.0.1:8883,ws://127.0.0.1:8083,ws+ssl://127.0.0.1:8084
```

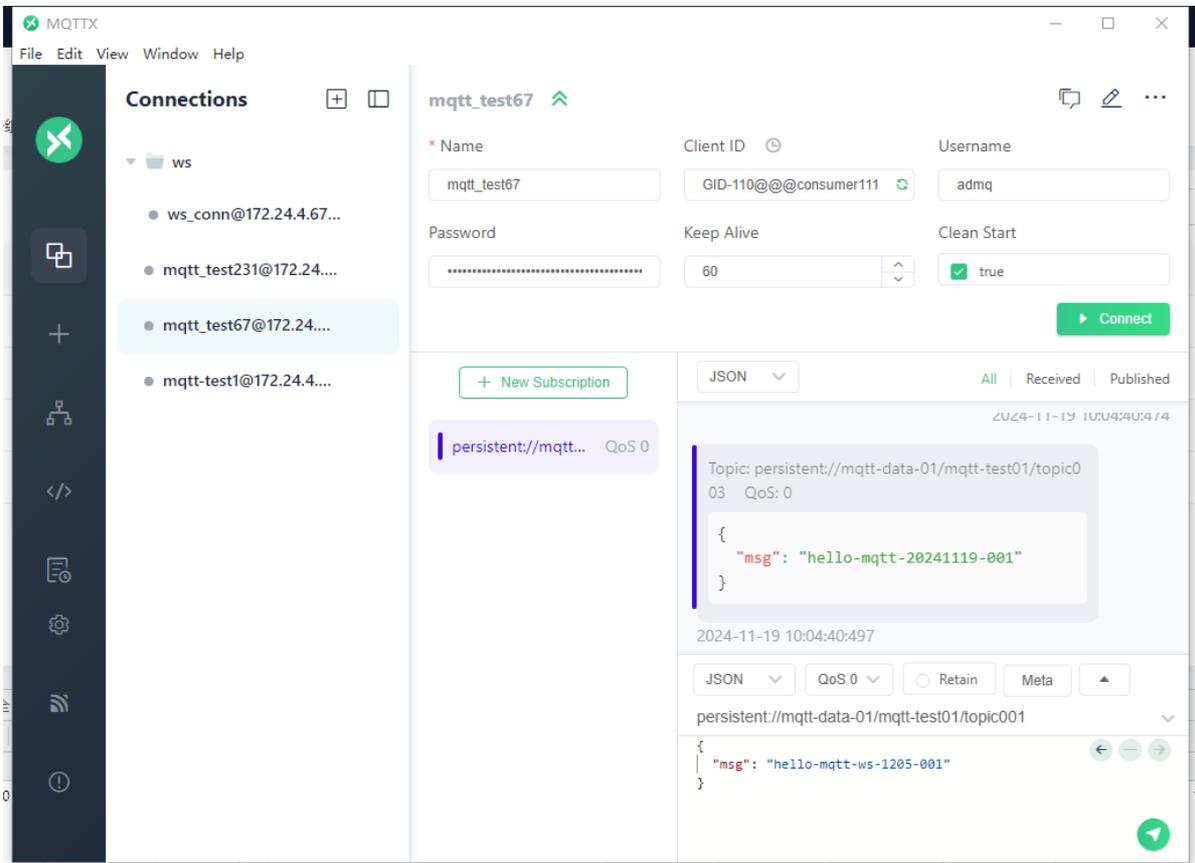
测试

通过MQTTX工具，在其提供的GUI上进行交互，进行测试：

1、下载安装MQTTX工具

The screenshot shows the MQTTX website's download page. At the top, there is a navigation menu with 'MQTTX', 'Features', 'Docs', 'Blog', 'Community', and 'MQTT'. A user profile icon with '3.4k' is visible on the right. The main content area has a large heading 'MQTTX Download' and a subheading 'Choose the right platform for you and start using MQTTX now.' Below this, there are three buttons for 'Windows', 'Mac', and 'Linux'. Under the 'Desktop' section, there are two download buttons: 'x86-64 | v1.9.10.win64.exe' and 'x86 | v1.9.10.win32.exe'.

2、启动MQTT

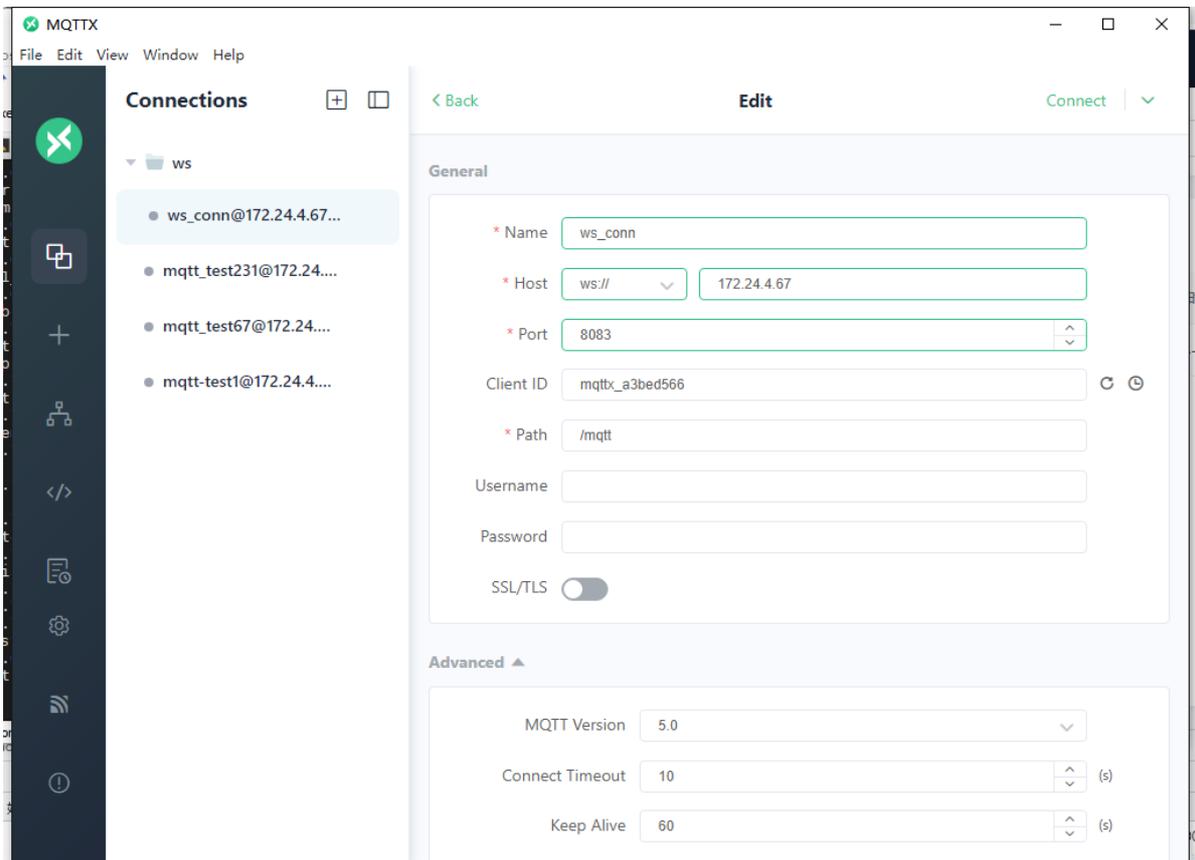


WS系列

1、配置websocket连接

不开启设备组

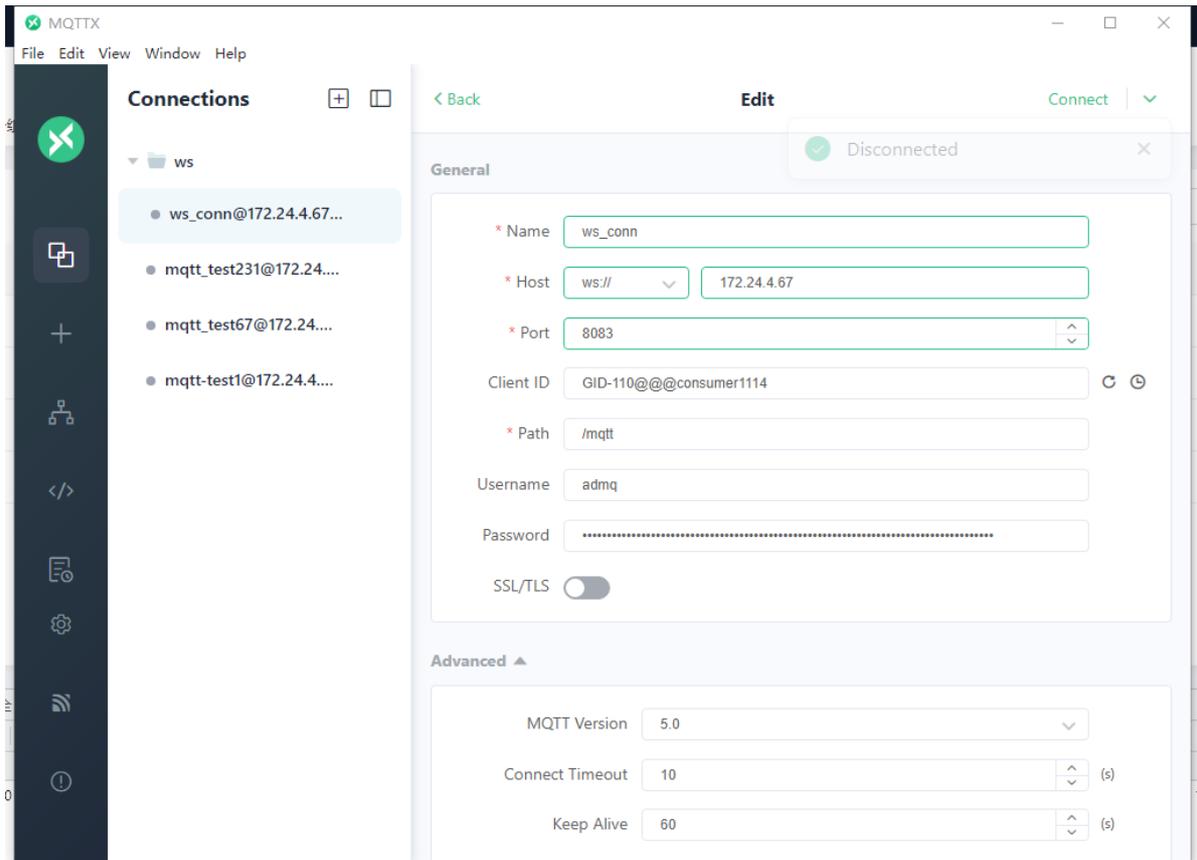
设置配置文件中的参数mqttGroupParserEnabled=false



需要填写ip地址和端口

开启设备组

设置配置文件中的参数mqttGroupParserEnabled=true，使得连接需要符合设备组的格式并需要用户和密码



- Host: 配置为ws://，IP地址依据admq配置ip
- Port: 端口8083（确保监听侦察已经配置）
- Client ID: 需要在admq上创建对应设备组（以GID_为前缀），创建方式可以在admq管控台插件中mqtt插件设备组进行创建，注意对应集群、租户、命名空间、主题存在且正确；ID格式为GID_xxx@@@xxxxx
- Username和Password: 可在管控台用户管理找到对应角色的令牌；在对应的配置文件中，比如单机部署下的conf/stanalone.conf，集群下的broker.conf文件中的brokerClientAuthenticationParameters参数即对应的passwd

2、开启websocket连接

创建订阅，订阅需要对应相应主题，主题地址可由管控台中获取或者在admq上通过命令行 `/bin/admqctl admin topics list [tenants]/[namespace]`

然后进行消息收发

开启group

The screenshot shows the MQTTX interface with a connection named 'ws_conn'. A subscription is set for the topic 'persistent://mqtt-data-01/mqtt-test01/topic001' with QoS 0. The message history shows two messages:

- Message 1: Received at 2024-12-05 10:18:27:936. Topic: persistent://mqtt-data-01/mqtt-test01/topic001, QoS: 0. Payload: {"msg": "hello-mqtt-ws-1205-001"}
- Message 2: Received at 2024-12-05 10:18:27:994. Topic: persistent://mqtt-data-01/mqtt-test01/topic001, QoS: 0. Payload: {"msg": "hello-mqtt-ws-1205-001"}

The interface includes a 'Connections' sidebar, a 'New Subscription' button, and a message preview area with a 'JSON' dropdown and 'All', 'Received', and 'Published' filters.

不开启group

The screenshot shows the MQTTX interface with a connection named 'ws_conn'. A subscription is set for the topic 'persistent://mqtt-data-01/mqtt-test01/topic001' with QoS 0. The message history shows two messages:

- Message 1: Received at 2024-12-05 11:12:07:461. Topic: persistent://mqtt-data-01/mqtt-test01/topic001, QoS: 0. Payload: {"msg": "hello-mqtt-ws-1205-002"}
- Message 2: Received at 2024-12-05 11:12:07:498. Topic: persistent://mqtt-data-01/mqtt-test01/topic001, QoS: 0. Payload: {"msg": "hello-mqtt-ws-1205-002"}

The interface includes a 'Connections' sidebar, a 'New Subscription' button, and a message preview area with a 'JSON' dropdown and 'All', 'Received', and 'Published' filters.