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

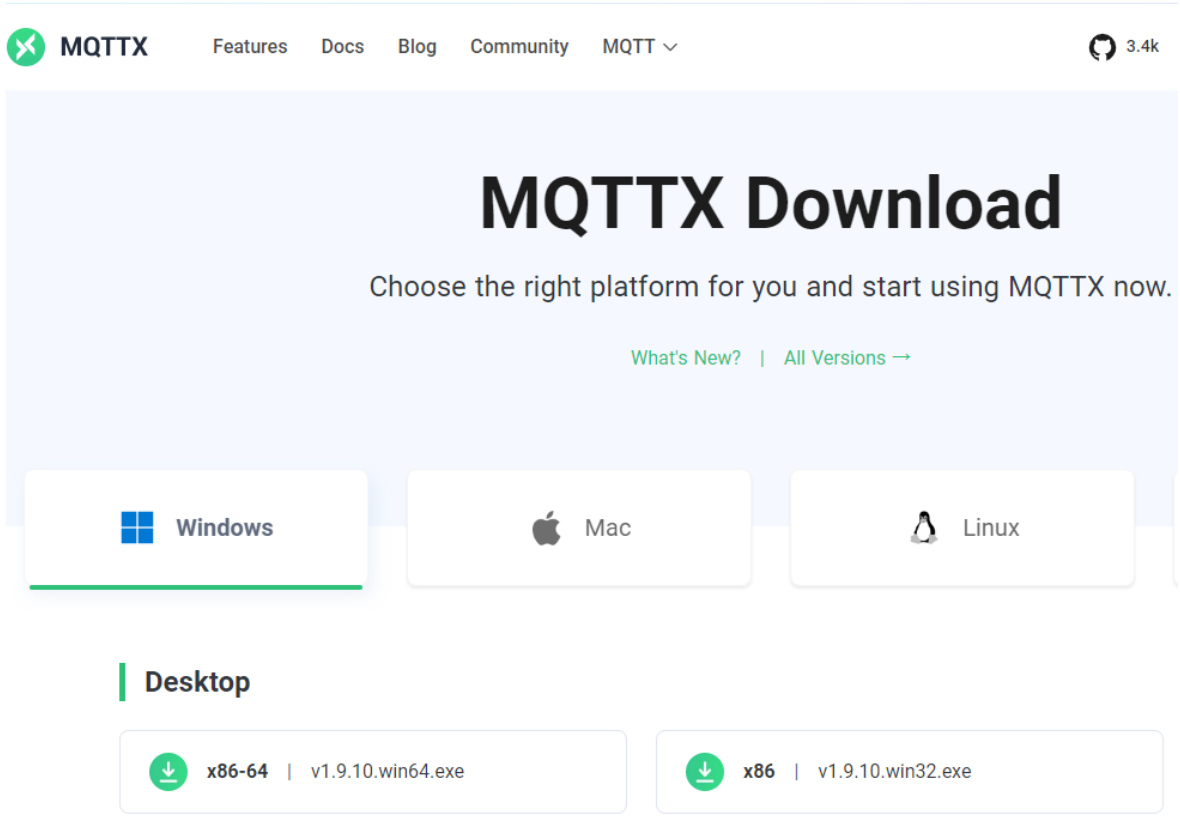
设置MQTT服务器侦听器

```
## 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://127.0.0.1:80
83,ws+ssl://127.0.0.1:8084
```

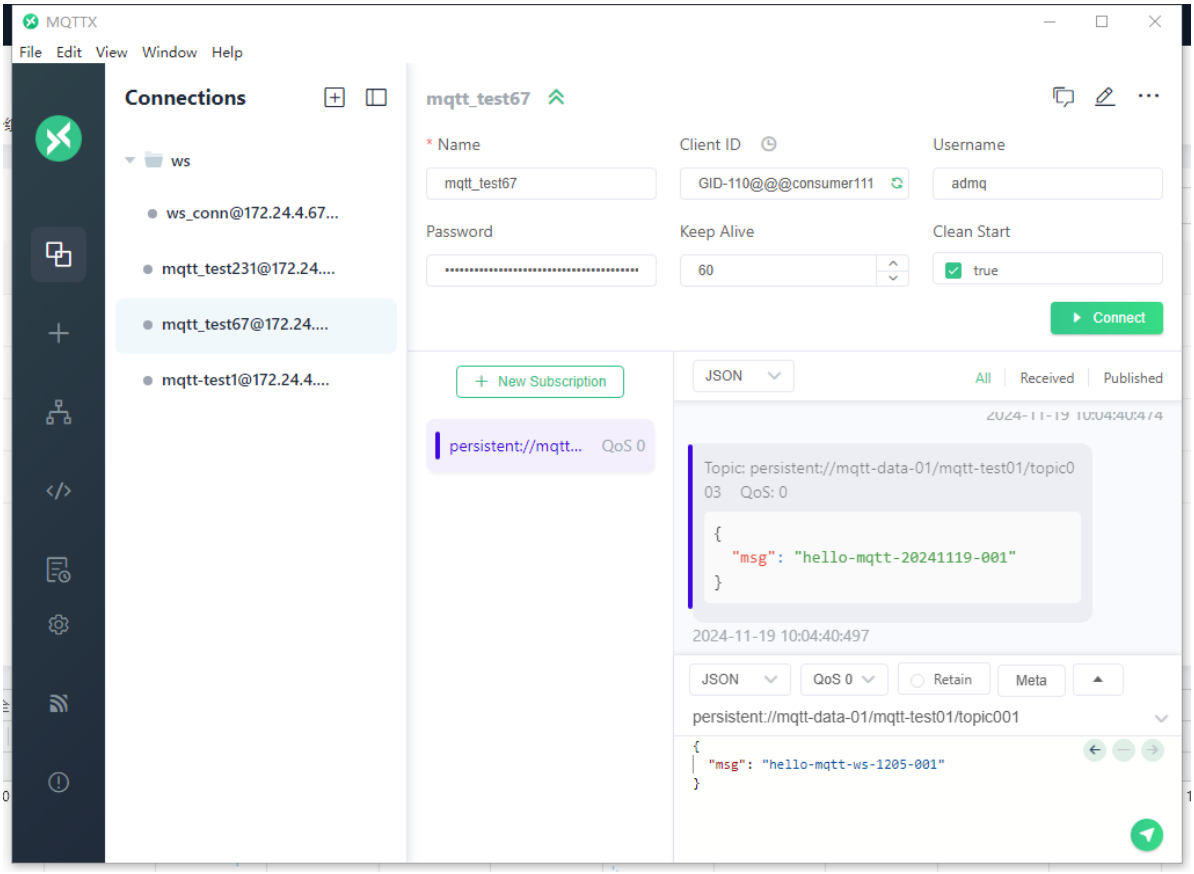
测试

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



2、启动MQTT

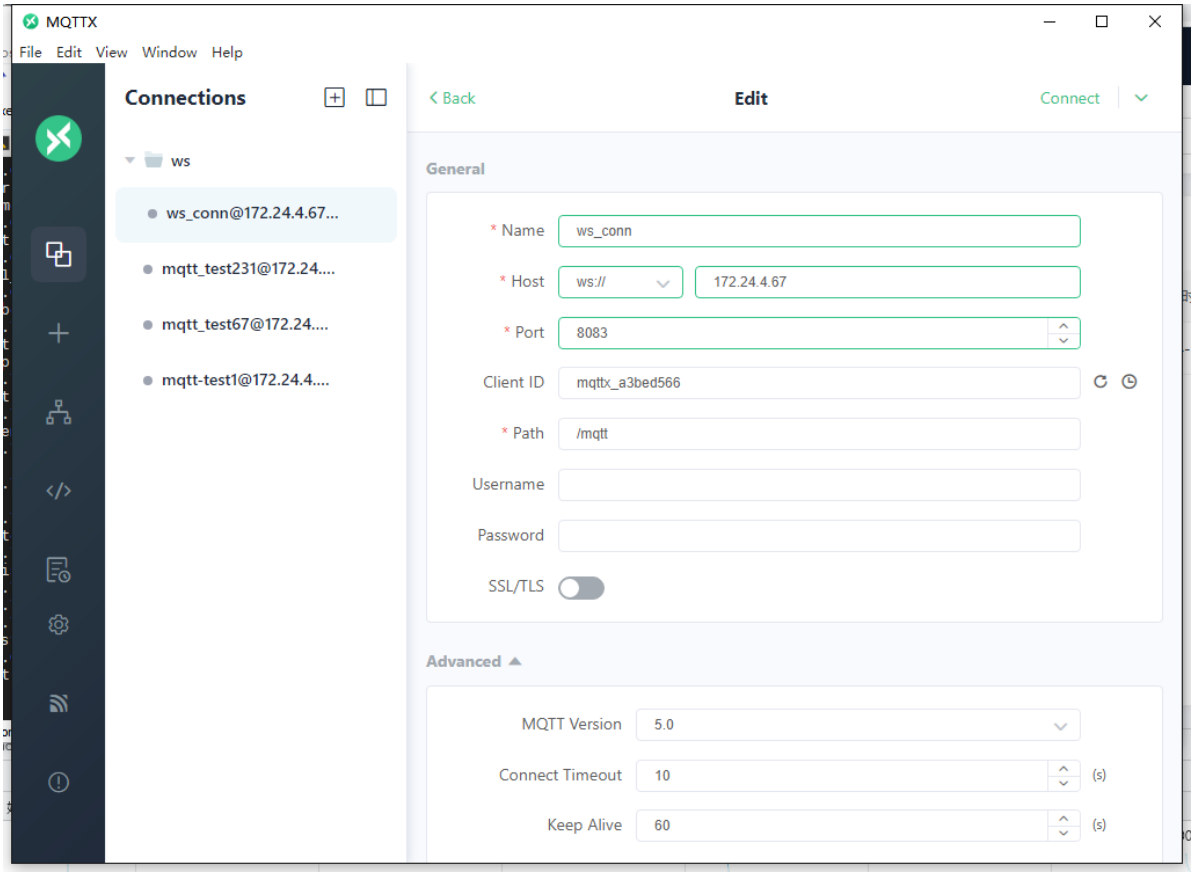


WS系列

1、配置websocket连接

不开启设备组

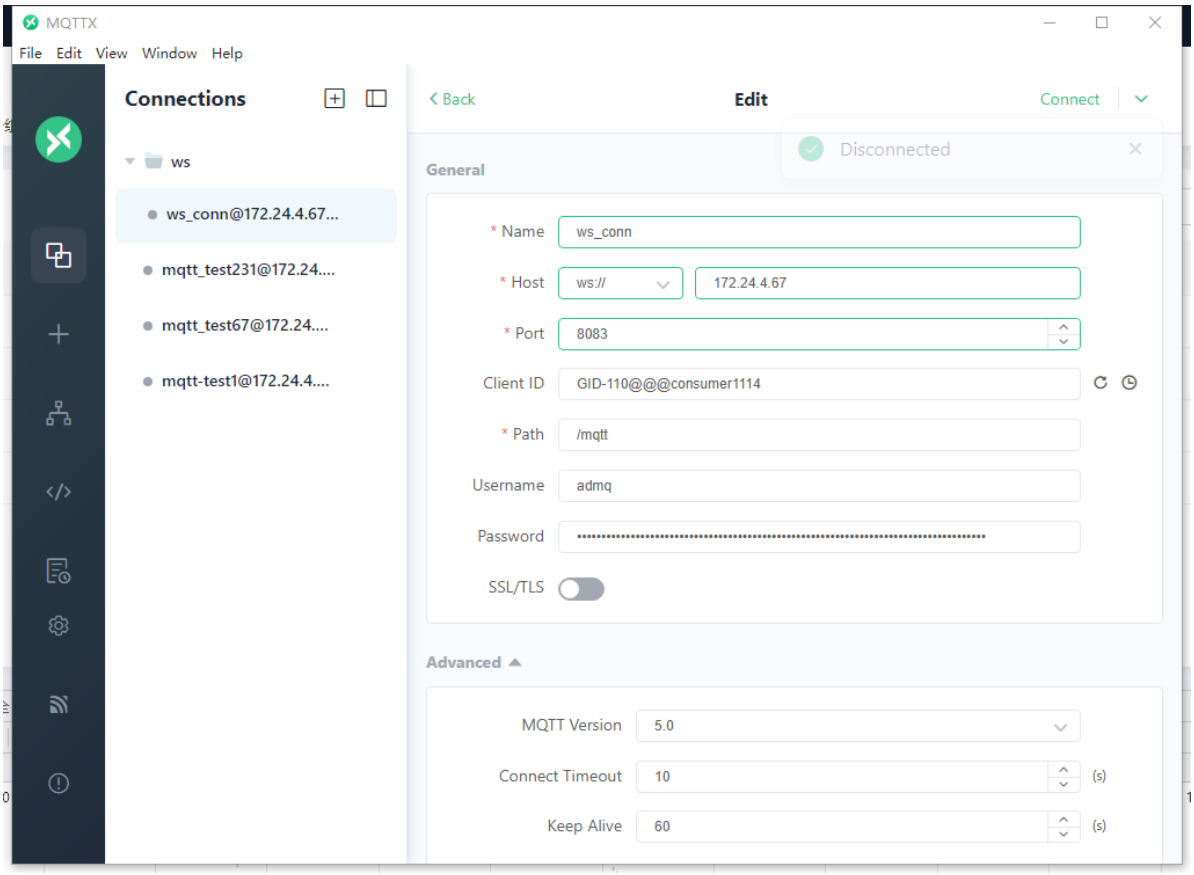
设置配置文件中的参数mqttGroupParserEnabled=false



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



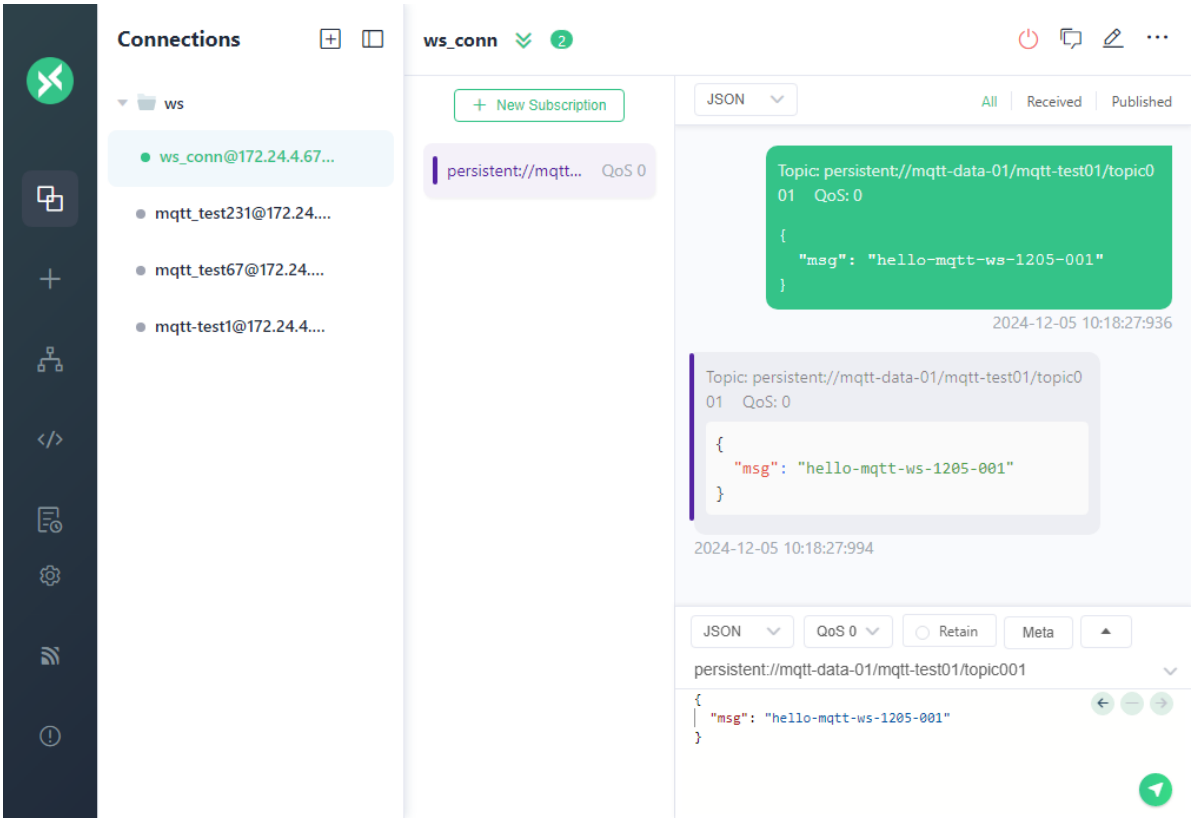
- Host：配置为ws://，IP地址依据admq配置ip
- Port：端口8083（确保监听侦察已经配置）
- Client ID：需要在admq上创建对应设备组（以GID_为前缀），创建方式可以在admq管控台插件中mqtt插件设备组进行创建，注意对应集群、租户、命名空间、主题存在且正确；ID格式为GID_xxx@@@xxxxx
- Username和Password：可在管控台用户管理找到对应角色的令牌；在对应的配置文件中，比如单机部署下的conf/stanalone.conf，集群下的broker.conf文件中的brokerClientAuthenticationParameters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

2、开启websocket连接

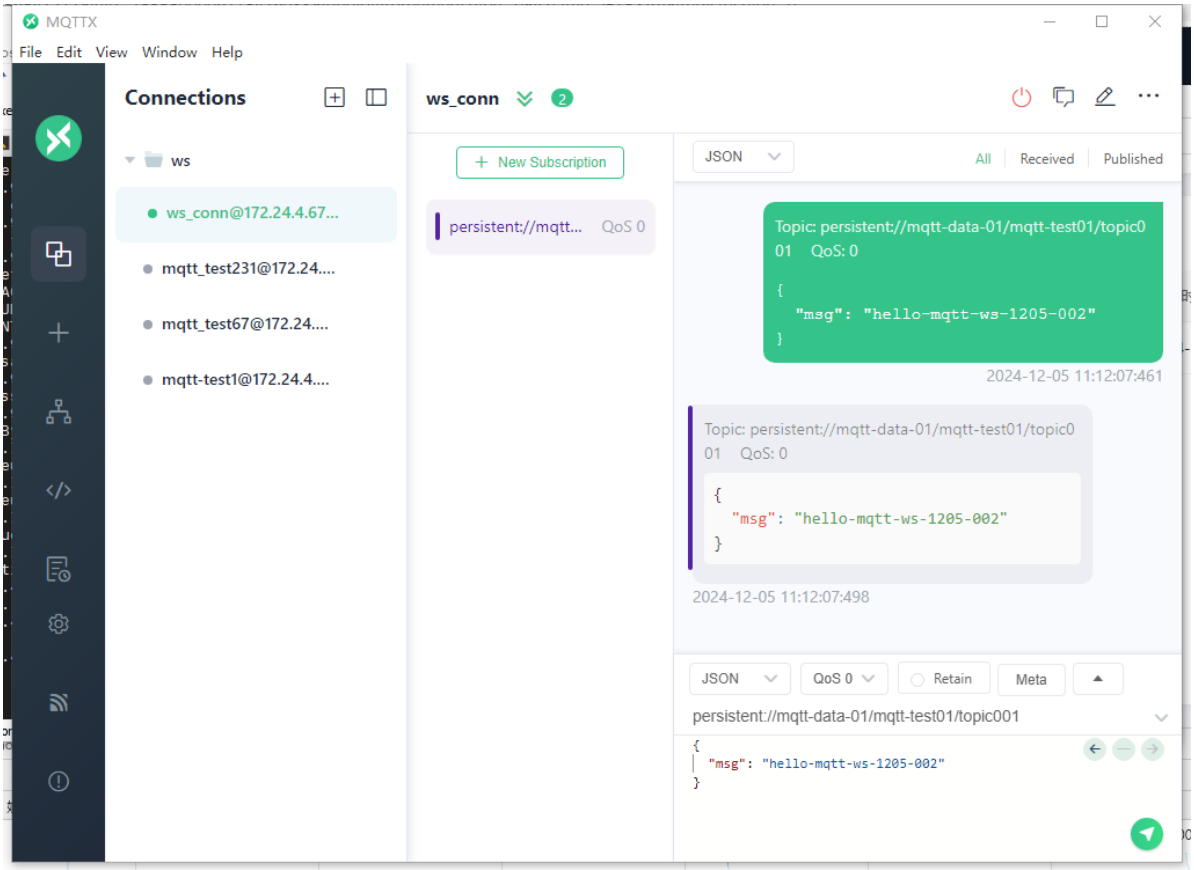
创建订阅，订阅需要对应相应主题，主题地址可由管控台中获取或者在admq上通过命令行`/bin/admqctl admin topics list [tenants]/[namespace]`

然后进行消息收发

开启group


Connections
ws
ws_conn@172.24.4.67...
mqtt_test231@172.24....
mqtt_test67@172.24....
mqtt-test1@172.24.4....
ws_conn
2
New Subscription
persistent://mqtt... QoS 0
JSON
All
Received
Published
Topic: persistent://mqtt-data-01/mqtt-test01/topic001 QoS: 0
{
"msg": "hello-mqtt-ws-1205-001"
}
2024-12-05 10:18:27:936
Topic: persistent://mqtt-data-01/mqtt-test01/topic001 QoS: 0
{
"msg": "hello-mqtt-ws-1205-001"
}
2024-12-05 10:18:27:994
JSON
QoS 0
Retain
Meta
persistent://mqtt-data-01/mqtt-test01/topic001
{
"msg": "hello-mqtt-ws-1205-001"
}

不开启group


MQTTX
File Edit View Window Help
Connections
ws
ws_conn@172.24.4.67...
mqtt_test231@172.24....
mqtt_test67@172.24....
mqtt-test1@172.24.4....
ws_conn
2
New Subscription
persistent://mqtt... QoS 0
JSON
All
Received
Published
Topic: persistent://mqtt-data-01/mqtt-test01/topic001 QoS: 0
{
"msg": "hello-mqtt-ws-1205-002"
}
2024-12-05 11:12:07:461
Topic: persistent://mqtt-data-01/mqtt-test01/topic001 QoS: 0
{
"msg": "hello-mqtt-ws-1205-002"
}
2024-12-05 11:12:07:498
JSON
QoS 0
Retain
Meta
persistent://mqtt-data-01/mqtt-test01/topic001
{
"msg": "hello-mqtt-ws-1205-002"
}