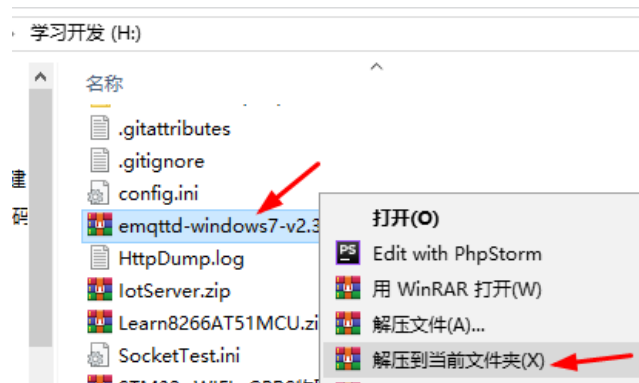


安装MQTT软件

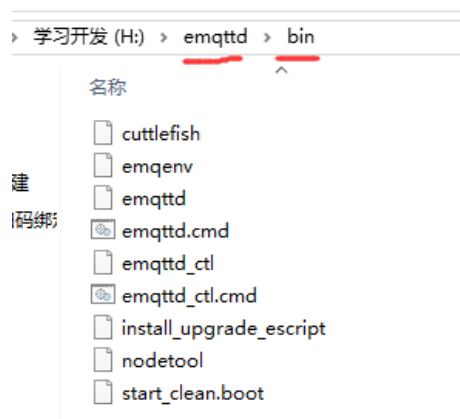
1.把下面的软件放到一个没有中文的目录下,并解压

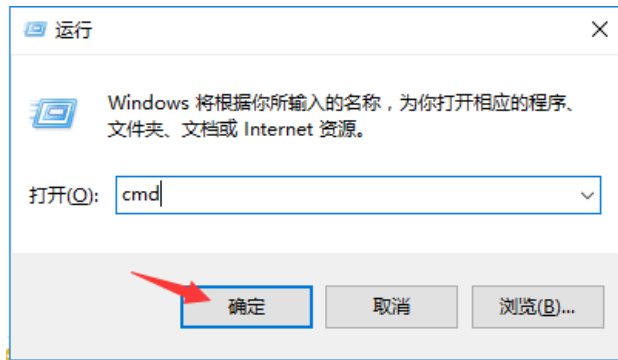
名称	日期
MQTT包_C语言	2023/11
安装补丁	2023/11
C#MQTT调试助手(含源码).rar	2022/9/
emqtt-centos7-v2.3.11.zip	2019/11
emqtt-windows7-v2.3.0.zip	2018/11
MqttDebugWeb.rar	2020/12
MQTT协议.pdf	2022/3/
购买云主机,安装MQTT软件(.Windows系统),测试C# 和 网页web连接MQTT...	2022/6/
购买云主机,安装MQTT软件(linux系统),测试C# 和 网页web连接MQTT服务...	2022/6/

2.我解压到了H盘(随意哈)



3.运行cmd 进入emqtt/bin目录





```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [版本 10.0.14393]
(c) 2016 Microsoft Corporation. 保留所有权利。

C:\Users\yang>cd /d H:/emqtttd/bin
H:\emqtttd\bin>
```

4.启动服务器(控制台模式),一次启动不起来,再执行一次!

emqtttd console

```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [版本 10.0.14393]
(c) 2016 Microsoft Corporation. 保留所有权利。

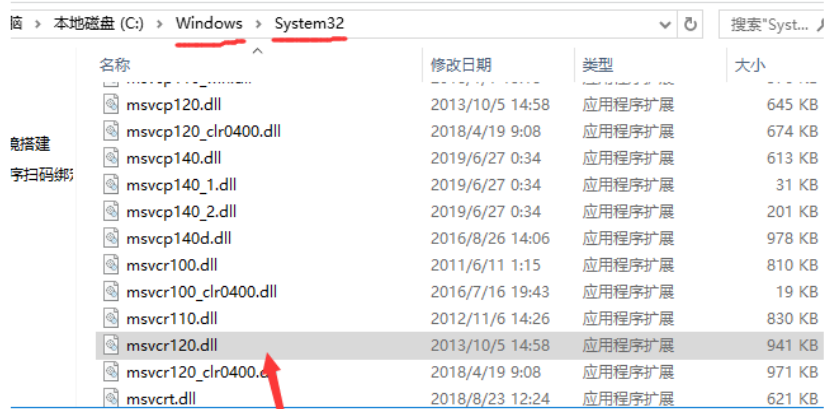
C:\Users\yang>cd H:/emqtttd/bin
C:\Users\yang>cd /d H:/emqtttd/bin
H:\emqtttd\bin>emqtttd console ←
^C^C终止批处理操作吗(Y/N)?
^C^C^C终止批处理操作吗(Y/N)? y
H:\emqtttd\bin>emqtttd console
H:\emqtttd>
```

5.提示,如果出现下面的错误,需要拷贝补丁,然后重新执行命令



安装补丁	20
emqttd-windows7-v2.3.0.zip	20
安装补丁.rar	20
安装步骤.txt	20

把补丁拷贝到 Windows/System32里面



6. 出现下面的窗口说明服务器已经以控制台模式运行起来了

```
Erlang
File Edit Options View Help
alarm_handler: {set,{{disk_almost_full,"F:\\"},[]}}
=INFO REPORT=== 28-Dec-2020:23:41:29 ===
alarm_handler: {set,{{disk_almost_full,"H:\\"},[]}}
starting emqttd on node 'emq@127.0.0.1'
emqttd ctl is starting...[ok]
emqttd hook is starting...[ok]
emqttd router is starting...[ok]
emqttd pubsub is starting...[ok]
emqttd stats is starting...[ok]
emqttd metrics is starting...[ok]
emqttd pooler is starting...[ok]
emqttd trace is starting...[ok]
emqttd client manager is starting...[ok]
emqttd session manager is starting...[ok]
emqttd session supervisor is starting...[ok]
emqttd wsclient supervisor is starting...[ok]
emqttd broker is starting...[ok]
emqttd alarm is starting...[ok]
emqttd mod supervisor is starting...[ok]
emqttd bridge supervisor is starting...[ok]
emqttd access control is starting...[ok]
emqttd system monitor is starting...[ok]
emqttd 2.3.0 is running now
Eshell V8.3 (abort with ^G)
(emq@127.0.0.1)1> Load emq_mod_presence module successfully.
Load emq_mod_subscription module successfully.
dashboard:http listen on 0.0.0.0:18083 with 2 acceptors.
mqtt:tcp listen on 127.0.0.1:11883 with 16 acceptors.
mqtt:tcp listen on 0.0.0.0:1883 with 16 acceptors.
mqtt:ws listen on 0.0.0.0:8083 with 4 acceptors.
mqtt:ssl listen on 0.0.0.0:8883 with 16 acceptors.
mqtt:wss listen on 0.0.0.0:8084 with 4 acceptors.
mqtt:api listen on 127.0.0.1:8080 with 4 acceptors.
```

18083端口是网页端控制台

11883端口是普通TCP连接(仅限于安装MQTT软件的本机上的客户端连接)

1883端口是普通TCP连接

8883端口是TCP + SSL

8083端口是WebSocket

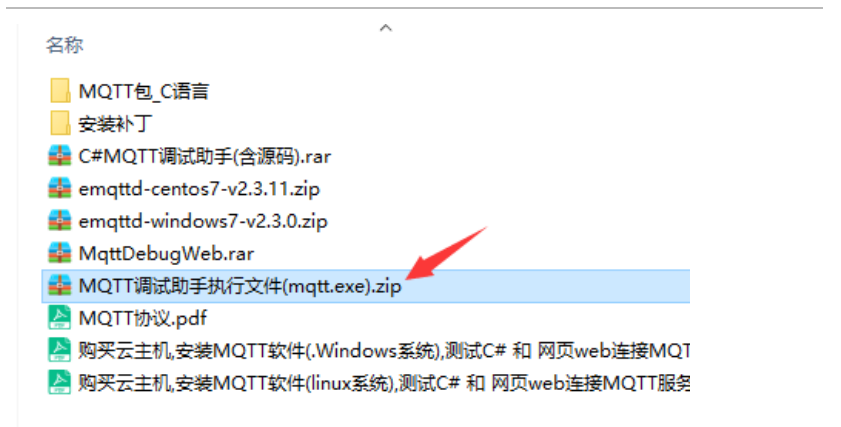
8084端口是WebSocket + SSL

8080端口是配置MQTT参数

测试MQTT软件是否可以连接

1.打开MQTT调试软件

注:这是我使用C#写的一个MQTT调试助手,含源码



名称	修改日期
M2Mqtt.Net.dll	2015/12/6 15:10
M2Mqtt.Net.pdb	2015/12/6 15:10
mqtt.exe	2019/11/22 12:51
mqtt.exe.config	2019/3/30 12:51
mqtt.pdb	2019/11/22 12:51
mqtt.vshost.exe	2019/11/22 12:51
mqtt.vshost.exe.config	2019/3/30 12:51
mqtt.vshost.exe.manifest	2016/7/16 19:44
MQTTnet.Core.dll	2017/10/9 19:44
MQTTnet.dll	2017/10/9 19:44
Newtonsoft.Json.dll	2018/11/27 18:51
Newtonsoft.Json.pdb	2018/11/27 17:51
Newtonsoft.Json.xml	2018/11/27 17:51
如果运行执行文件有问题,安装VS运行库....	2019/3/4 16:54

2.查看自己电脑的IP地址

网络连接详细信息

网络连接详细信息(D):

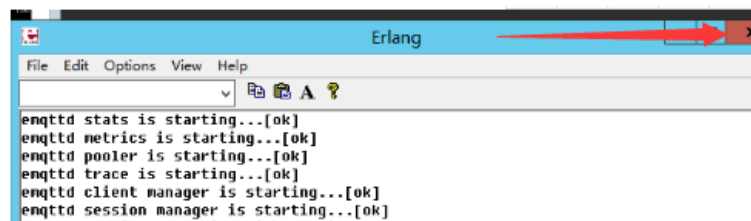
属性	值
连接特定的 DNS 后缀	
描述	Realtek PCIe GbE Family Controller
物理地址	F4-B5-20-09-8A-F9
已启用 DHCP	是
IPv4 地址	192.168.1.93
IPv4 子网掩码	255.255.255.0
获得租约的时间	2020年12月25日 20:16:37
租约过期的时间	2020年12月30日 1:16:52
IPv4 默认网关	192.168.4.1
	192.168.1.1
IPv4 DHCP 服务器	192.168.1.1
IPv4 DNS 服务器	114.114.114.114
	114.114.115.115
	192.168.1.1
	192.168.1.1

3.测试连接服务器



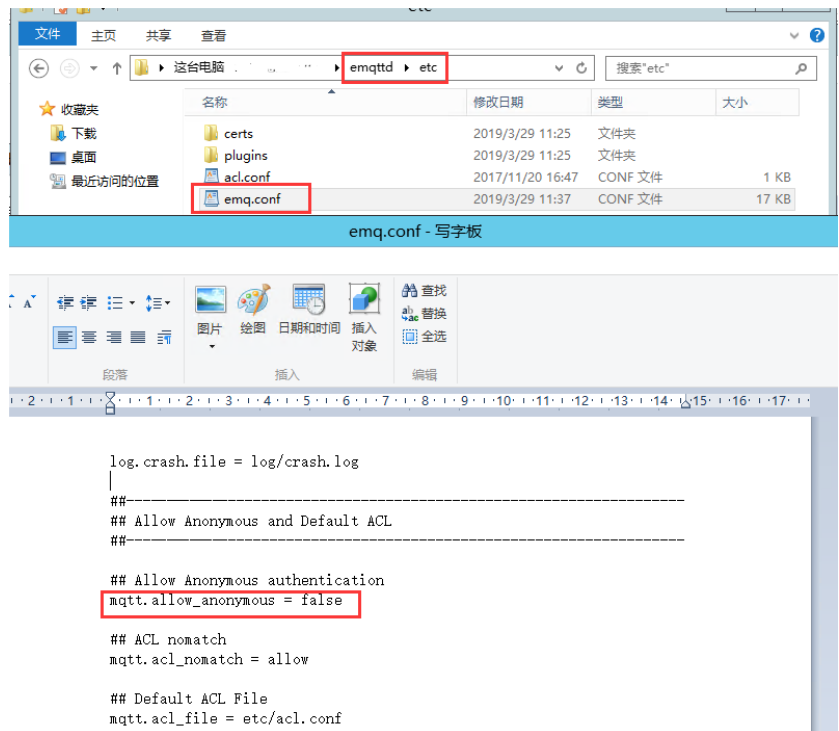
更改MQTT用户名和密码

1,退出控制台



2,使用写字板打开! 使用写字板打开! 使用写字板打开!

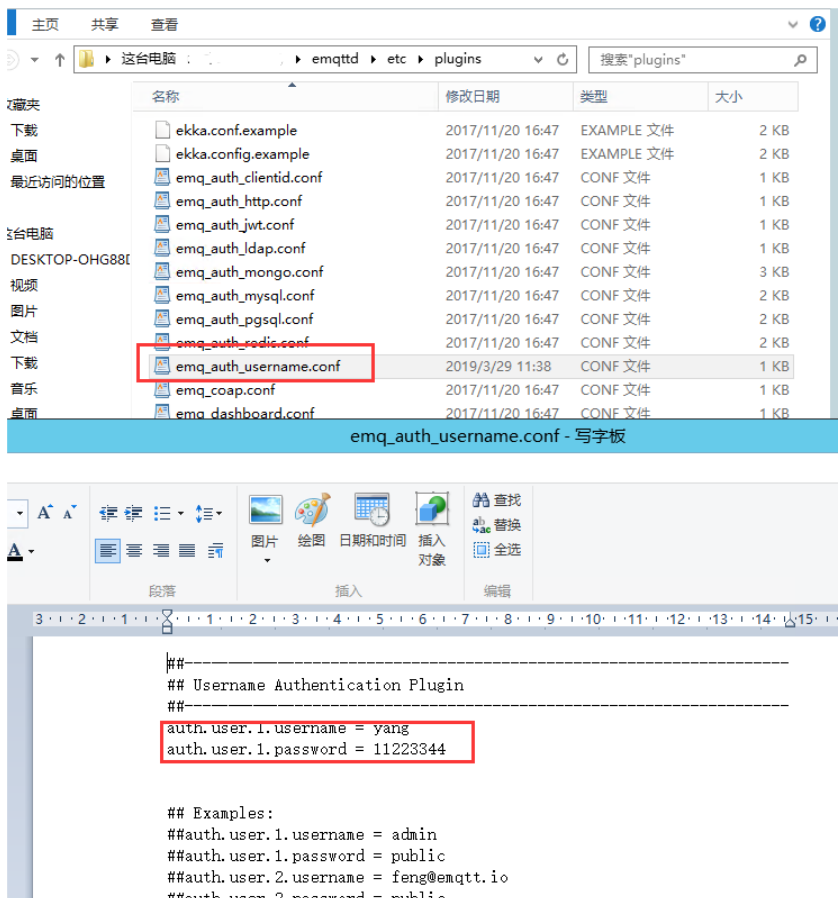
修改一下文件里面的 `mqtt.allow_anonymous = false`



3.修改用户名和密码(可以设置多个)

auth.user.1.username = yang

auth.user.1.password = 11223344



4.启动控制台

emqtt console

```
管理员: C:\Windows\system32\cmd.exe
Microsoft Windows [版本 6.3.9600]
(c) 2013 Microsoft Corporation. 保留所有权利。

C:\Users\Administrator.IZUQDLZPFP62NOZ>cd C:\emqttd-windows7-v2.3.0\emqttd\bin
C:\emqttd-windows7-v2.3.0\emqttd\bin>emqttd console_
```

```
Erlang
File Edit Options View Help
enqttd stats is starting...[ok]
enqttd netrics is starting...[ok]
enqttd pooler is starting...[ok]
enqttd trace is starting...[ok]
enqttd client manager is starting...[ok]
enqttd session manager is starting...[ok]
enqttd session supervisor is starting...[ok]
enqttd usclient supervisor is starting...[ok]
enqttd broker is starting...[ok]
enqttd alarm is starting...[ok]
enqttd nod supervisor is starting...[ok]
enqttd bridge supervisor is starting...[ok]
enqttd access control is starting...[ok]
enqttd system monitor is starting...[ok]
enqttd 2.3.0 is running now
Eshell V08.3 (abort with ^C)
(enq@127.0.0.1)> Load enq_mod_presence module successfully.
Load enq_mod_subscription module successfully.
dashboard:http listen on 0.0.0.0:18083 with 2 acceptors.
nqtt:tcp listen on 127.0.0.1:11883 with 16 acceptors.
nqtt:tcp listen on 0.0.0.0:1883 with 16 acceptors.
nqtt:ws listen on 0.0.0.0:8083 with 4 acceptors.
nqtt:ssl listen on 0.0.0.0:8883 with 16 acceptors.
nqtt:uss listen on 0.0.0.0:8084 with 4 acceptors.
nqtt:api listen on 127.0.0.1:8080 with 4 acceptors.
```

好了

5.浏览器输入: <http://电脑的IP地址:18083> 会出现登录页面

默认用户名 admin 密码: public

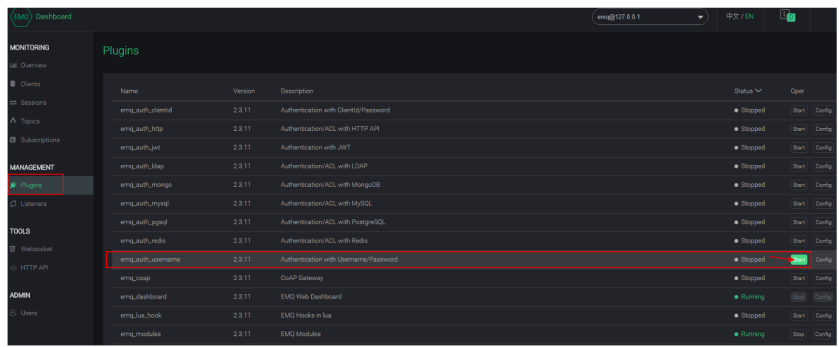
LOG IN

Username

Password

Remember

6.启用用户鉴权



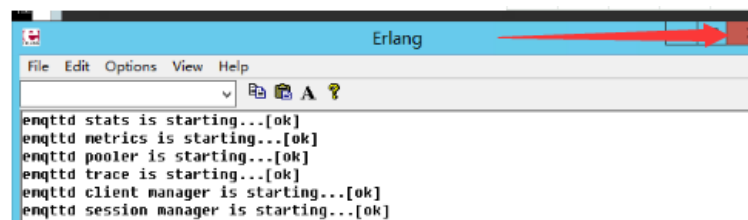
测试

用户名密码填写自己设置的密码

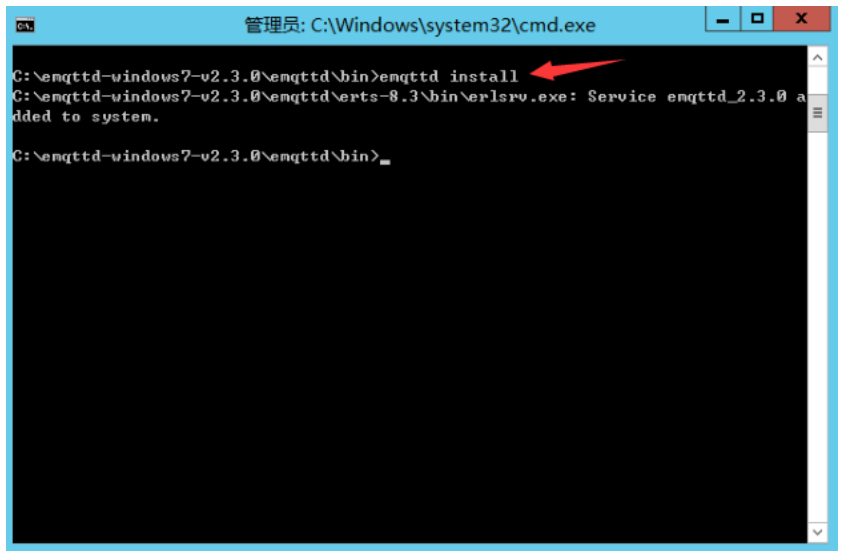


把MQTT安装到电脑

1.退出控制台

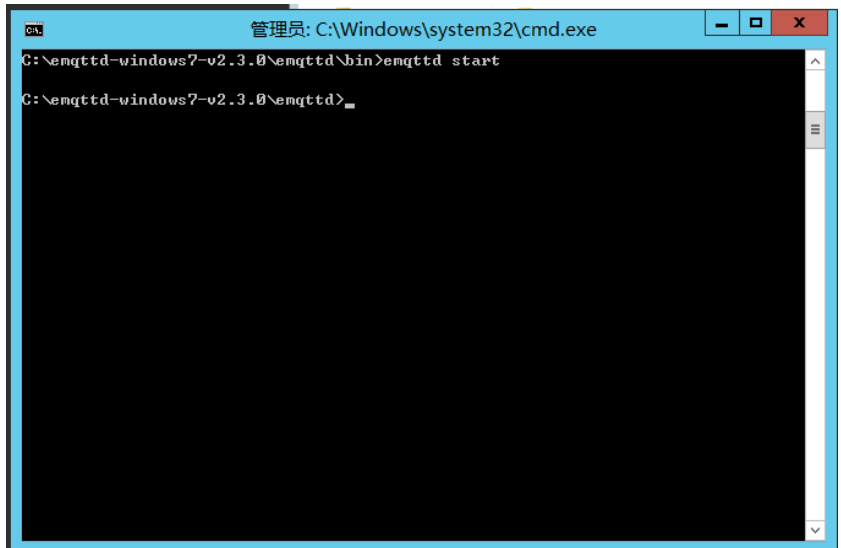


2,执行 emqtt install



```
管理员: C:\Windows\system32\cmd.exe
C:\emqtt-windows7-v2.3.0\emqtt\bin>emqtt install
C:\emqtt-windows7-v2.3.0\emqtt\verts-8.3\bin\erlsrv.exe: Service emqtt_2.3.0 added to system.
C:\emqtt-windows7-v2.3.0\emqtt\bin>
```

3.执行 emqtt start



```
管理员: C:\Windows\system32\cmd.exe
C:\emqtt-windows7-v2.3.0\emqtt\bin>emqtt start
C:\emqtt-windows7-v2.3.0\emqtt>
```

其它:

停止MQTT: emqtt stop

卸载MQTT: emqtt uninstall

网页端调试助手测试

1,这边也提供了一个网页端连接MQTT的调试助手

- MQTT包_C语言
- 安装补丁
- C#MQTT调试助手(含源码).rar
- emqttd-centos7-v2.3.11.zip
- emqttd-windows7-v2.3.0.zip
- MqttDebugWeb.rar**
- MQTT调试助手执行文件(mqtt.exe).zip
- MQTT协议.pdf
- 购买云主机,安装MQTT软件(.Windows系统),测试C# 和 网页web连接MQ
- 购买云主机,安装MQTT软件(linux系统),测试C# 和 网页web连接MQTT服:

名称	修改日期
css	2019/12/
js	2019/12/
index.html	2019/12/

2,连接

ws://电脑的IP地址:8083/mqtt

连接配置

IP地址:

useSSL:

ClientID:

用户名:

密码:

发布的主题:

连接状态: 连接断开 连接

数据发送

hex 发送数据 清除

订阅

数据接收

清除

使用SSL连接

wss://电脑的IP地址:8084/mqtt

连接配置

IP地址:

useSSL:

ClientID:

用户名:

密码:

发布的主题:

连接状态: 连接断开

数据发送

hex

数据接收