协议

-- 云世 mqtt 协议

修改说明

总则

1. UUID 名词解析

   - 在设备端表示设备 mac 等唯一标识符
   - 在 APP 端 APP 端 username 等唯一标识符
   - 源 UUID 动作发起者
   - 目标 UUID 动作接收者

2. 设备

   - 发送 TOPIC /DEV/源 UUID/目标 UUID
   - 订阅 TOPIC /SER2DEV/自己 UUID

3. APP

   - 发送 TOPIC /APP/源 UUID/目标 UUID
   - 发送 TOPIC /APP/源 UUID/目标 UUID
   - ~~发送 TOPIC /GET/源 UUID/目标 UUID~~
   - ~~发送 TOPIC /POST/源 UUID/目标 UUID~~
   - 订阅 TOPIC /SER2APP/自己 UUID
   - ~~订阅 TOPIC /HTTP/自己 UUID~~

4. 路由器

   - 发送 TOPIC /SER2APP/源 UUID/目标 UUID
   - 发送 TOPIC /SER2DEV/源 UUID/目标 UUID
   - 订阅 TOPIC /DEV/#
   - 订阅 TOPIC /APP/#
   - 订阅 TOPIC /POST/#
   - 订阅 TOPIC /GET/#

5. 服务器

- 发送 TOPIC /CLOUD_OTA/源 UUID/目标 UUID

HTTP

一、请求登录鉴权

1. 请求

- 主题 TOPIC

```
/GET/UUID/confidence-uaa/user/login
```

- paload sha1 加密

```
{
"url": "?username=uername&password=password"
}
```

 2. 应答

- 主题 TOPIC

```
/HTTP/UUID/confidence-uaa/user/login
```

- paload json sha1 加密

```
{
  "code": 20000,
  "message": "登录成功！",
  "data": {
    "accessToken":
"eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOlsiY29uZmlkZW5jZS11c2VyIiwiY2
9uZmlkZW5jZS1kZWl2Y2UiXSwic2NvcGUiOlsiYXNkZmFzZiJdLCJuYW1lIjpudWxsLCJpZCI6bn
VsbCwiZXhwIjoxNjE3MzAxMjcwLCJhdXRob3JpdGllcyI6WyJST0xFX0NPTU1PTiJdLCJqdGkiOi
JiOTY0ZWQxMi1jODE0LTQ3OGMtYjE1Ni0wYWUwY2IwZjU2YjgiLCJjbGllbnRfaWQiOiJjb25maW
RlbmNlIiwidXNlcm5hbWUiOiJicnVjZXlhbiJ9.FFRyMG6sWAykX0VQtSUc4YP9FKoUy67A7aMSP
2X4y4--9o2HotEU_o88SBBeByOvE8ay68Hmmg0qk2bf39vT-JImCPxFGBb-
SWRZsudodyVv_IKN3BKBqxJWmOFhR1Gxf8Abw1YgQ2ntdLi2z3Lp6855N5vKlW7GClz8kGxSKttz
RO7RIJ_LL4pDBWDdpithrI-
BObOWBNX9Qy6lHMSOfewy8GzhxTtadliMNS_5fU2fIklyXoafcCPGco-
scjOnAydcZUShXEoxCWU-
i4ApQobbpY6FOj8_j7nleBfSs1SchJlBYoug_GIgr1CPDViH3pqg0eP3TDYbEgFVwhqoJw",
    "refreshToken":
"eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOlsiY29uZmlkZW5jZS11c2VyIiwiY2
9uZmlkZW5jZS1kZWl2Y2UiXSwic2NvcGUiOlsiYXNkZmFzZiJdLCJhdGkiOiJiOTY0ZWQxMi1jOD
E0LTQ3OGMtYjE1Ni0wYWUwY2IwZjU2YjgiLCJuYW1lIjpudWxsLCJpZCI6bnVsbCwiZXhwIjoxNj
E5ODUwMDcwLCJhdXRob3JpdGllcyI6WyJST0xFX0NPTU1PTiJdLCJqdGkiOiI0ZmU0NmFlZi1mYT
Q1LTRjYzgtYThkNy1hYWQ1ZDExZjg3ZjYiLCJjbGllbnRfaWQiOiJjb25maWRlbmNlIiwidXNlcm
5hbWUiOiJicnVjZXlhbiJ9.lLnZntI5wtRs4B6Jykp1X4KG03ART3KlLx6wuxXpV7eQSwghJF3MH
1S2a2bFiCrNVZNWZjFjZDQnPMAICaewu_Dl2Bi2ULVMlug4p0xtkqqlBeKO-M5ilYnJ-
acKUM3xpubkxeqFn65iXHINpk4Gb6wCRdhLulYASXIKyKsmHXe9RViOiDHYXzZyjDS23bO-
f7p8P55AapbYWCUginepN4tQiYrvDpSwYSMaGwox2mzM2dPA0P0lZJPjdRx0eCFxJhFZcKUUZdgQ
ePdQL1Lv3CLQOWhKFa_JUWjHYLlVfLY5RYJGPXmipm8qBYQx3saVGhE-EbncNVPwFIGm8RTarA",
    "jti": "b964ed12-c814-478c-b156-0ae0cb0f56b8"
  }
}
```

二、请求注册

1. 请求

- 主题 TOPIC

```
/POST/UUID/confidence-user/user/register
```

- paload json sha1 加密

```
{
    "userEmail": "邮箱",
    "userGender": "MAN",
    "userName": "用户",
    "userPassword": "密码",
    "userPhone": "13312345678"
};
```

2. 应答

- 主题 TOPIC

```
/HTTP/UUID/confidence-user/user/register
```

- paload json sha1 加密

```
{
  "code": 20000,
  "message": "注册成功！",
  "data": null
}
```

三、添加设备

1. 请求

- 主题 TOPIC

```
/POST/UUID/confidence-device/device/registerDevice
```

- paload json sha1 加密

```
{
    "url": "?deviceMac=44237CBD76AA",
    "accessToken":
"eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOlsiY29uZmlkZW5jZS11c2VyIiwiY2
9uZmlkZW5jZS1kZWl2Y2UiXSwic2NvcGUiOlsiYXNkZmFzZiJdLCJuYW1lIjpudWxsLCJpZCI6bn
VsbCwiZXhwIjoxNjE3MzAxMjcwLCJhdXRob3JpdGllcyI6WyJST0xFX0NPTU1PTiJdLCJqdGkiOi
JiOTY0ZWQxMi1jODE0LTQ3OGMtYjE1Ni0wYWUwY2IwZjU2YjgiLCJjbGllbnRfaWQiOiJjb25maW
RlbmNlIiwidXNlcm5hbWUiOiJicnVjZXlhaiJ9.FFRyMG6sWAykX0VQtSUc4YP9FKoUy67A7aMSP
2X4y4--9o2HotEU_o88SBBeByOvE8ay68Hmmg0qk2bf39vT-JImCPxFGBb-
SWRZsudodyVv_IKN3BKBqxJWmOFhR1Gxf8Abw1YgQ2ntdLi2z3Lp6855N5vKlW7GClz8kGxSKttz
RO7RIJ_LL4pDBWDdpithrI-
BObOWBNX9Qy6lHMSOfewy8GzhxTtadliMNS_5fU2fIklyXoafcCPGco-
scjOnAydcZUShXEoxCWU-
i4ApQobbpY6FOj8_j7nleBfSs1SchJlBYoug_GIgr1CPDViH3pqg0eP3TDYbEgFVwhqoJw"
}
```

2. 应答

- 主题 TOPIC

```
/HTTP/UUID/confidence-device/device/registerDevice
```

- paload json sha1 加密

```
{
    "code": 20000,
    "message": "成功",
    "data": null
}
```

四、更新设备信息

1. 请求

- 主题 TOPIC

```
/POST/UUID/confidence-device/device/updateDevice
```

- paload json sha1 加密

```
{
    "accessToken":
"eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOlsiY29uZmlkZW5jZS11c2VyIiwiY2
9uZmlkZW5jZS1kZWl2Y2UiXSwic2NvcGUiOlsiYXNkZmFzZiJdLCJuYW1lIjpudWxsLCJpZCI6bn
```

```
VsbCwiZXhwIjoxNjE3MzAxMjcwLCJhdXRob3JpdGllcyI6WyJST0xFX0NPTU1PTiJdLCJqdGkiOi
JiOTY0ZWQxMi1jODE0LTQ3OGMtYjE1Ni0wYWUwY2IwZjU2YjgiLCJjbGllbnRfaWQiOiJjb25maW
RlbmNlIiwidXNlcm5hbWUiOiJicnVjZWlhbiJ9.FFRyMG6sWAykX0VQtSUc4YP9FKoUy67A7aMSP
2X4y4--9o2HotEU_o88SBBeByOvE8ay68Hmmg0qk2bf39vT-JImCPxFGBb-
SWRZsudodyVv_IKN3BKBqxJWmOFhR1Gxf8Abw1YgQ2ntdLi2z3Lp6855N5vKlW7GClz8kGxSKttz
RO7RIJ_LL4pDBWDdpithrI-
BObOWBNX9Qy6lHMSOfewy8GzhxTtadliMNS_5fU2fIklyXoafcCPGco-
scjOnAydcZUShXEoxCWU-
i4ApQobbpY6FOj8_j7nleBfSs1SchJlBYoug_GIgr1CPDViH3pqg0eP3TDYbEgFVwhqoJw",
  "devId": 001,
  "devName": "devdesc"
}
```

2. 应答

- 主题 TOPIC

```
/HTTP/UUID/confidence-device/device/updateDevice
```

- paload json sha1 加密

```
{
  "code": 20000,
  "message": "成功",
  "data": null
}
```

五、获取用户信息

1. 请求

- 主题 TOPIC

```
/GET/UUID/confidence-user/user/selectUserInfo
```

- paload json sha1 加密

```
{
  "url": "?userName=admin",
  "accessToken":
```
```
"eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOlsiY29uZmlkZW5jZS11c2VyIiwiY2
9uZmlkZW5jZS1kZWl2Y2UiXSwic2NvcGUiOlsiYXNkZmFzZiJdLCJuYW1lIjpudWxsLCJpZCI6bn
VsbCwiZXhwIjoxNjE3MzAxMjcwLCJhdXRob3JpdGllcyI6WyJST0xFX0NPTU1PTiJdLCJqdGkiOi
JiOTY0ZWQxMi1jODE0LTQ3OGMtYjE1Ni0wYWUwY2IwZjU2YjgiLCJjbGllbnRfaWQiOiJjb25maW
RlbmNlIiwidXNlcm5hbWUiOiJicnVjZWlhbiJ9.FFRyMG6sWAykX0VQtSUc4YP9FKoUy67A7aMSP
```

```
2X4y4--9o2HotEU_o88SBBeByOvE8ay68Hmmg0qk2bf39vT-JImCPxFGBb-
SWRZsudodyVv_IKN3BKBqxJWmOFhR1Gxf8Abw1YgQ2ntdLi2z3Lp6855N5vKlW7GClz8kGxSKttz
RO7RIJ_LL4pDBWDdpithrI-
BObOWBNX9Qy6lHMSOfewy8GzhxTtadliMNS_5fU2fIklyXoafcCPGco-
scjOnAydcZUShXEoxCWU-
i4ApQobbpY6FOj8_j7nleBfSs1SchJlBYoug_GIgr1CPDViH3pqg0eP3TDYbEgFVwhqoJw"
}
```

2. 应答

- 主题 TOPIC

```
/HTTP/UUID/confidence-user/user/selectUserInfo
```

- paload json sha1 加密

```json
{
  "code": 20000,
  "message": "查询成功",
  "data": [
    {
      "devId": 25,
      "devName": "12",
      "devVendorName": null,
      "devVendorCode": null,
      "devMac": "1234",
      "devSerialNumber": null,
      "devSn": null,
      "devCreateTime": null,
      "devProtocol": null,
      "devAddress": null,
      "devStatus": null,
      "devFirmwareVersion": null,
      "devHardwareVersion": null,
      "devSdkVersion": null,
      "devRunningNumber": null,
      "devUpdateTime": null,
      "devPdId": 23,
      "devPdName": "插座",
      "devPdUrl": null,
      "devUserId": 245,
      "devUserName": "admin",
      "devFunction": {
        "functionCmdConut": 3,
        "function": [
          {
            "functionId": 23,
            "functionName": "9",
            "functionCmd": "9",
```

```
                    "functionData": "9"
                },
                {
                    "functionId": 24,
                    "functionName": "power",
                    "functionCmd": "1",
                    "functionData": "75768634ED"
                },
                {
                    "functionId": 25,
                    "functionName": "timer",
                    "functionCmd": "2",
                    "functionData": "AE1224"
                }
            ]
        }
    }
  ]
}
```

五、通过手机号查找用户

1. 请求

- 主题 TOPIC

```
/GET/UUID/confidence-user/user/selectUserByUserPhone
```

- paload string sha1 加密

```
{
  "url": "?userPhone=13200001110",
  "accessToken":
"eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOlsiY29uZmlkZW5jZS11c2VyIiwiY2
9uZmlkZW5jZS1kZWl2Y2UiXSwic2NvcGUiOlsiYXNkZmZZiJdLCJuYW1lIjpudWxsLCJpZCI6bn
VsbCwiZXhwIjoxNjE3MzAxMjcwLCJhdXRob3JpdGllcyI6WyJST0xFX0NPTU1PTiJdLCJqdGkiOi
JiOTY0ZWQxMi1jODE0LTQ3OGMtYjE1Ni0wYWUwY2IwZjU2YjgiLCJjbGllbnRfaWQiOiJjb25maW
RlbmNlIiwidXNlcm5hbWUiOiJicnVjZXlhbiJ9.FFRyMG6sWAykX0VQtSUc4YP9FKoUy67A7aMSP
2X4y4--9o2HotEU_o88SBBeByOvE8ay68Hmmg0qk2bf39vT-JImCPxFGBb-
SWRZsudodyVv_IKN3BKBqxJWmOFhR1Gxf8Abw1YgQ2ntdLi2z3Lp6855N5vKlW7GClz8kGxSKttz
RO7RIJ_LL4pDBWDdpithrI-
BObOWBNX9Qy6lHMSOfewy8GzhxTtadliMNS_5fU2fIklyXoafcCPGco-
scjOnAydcZUShXEoxCWU-
i4ApQobbpY6FOj8_j7nleBfSs1SchJlBYoug_GIgr1CPDViH3pqg0eP3TDYbEgFVwhqoJw"
}
```

2. 应答

- 主题 TOPIC

```
/HTTP/UUID/confidence-user/user/selectUserByUserPhone
```

- paload json sha1 加密

```
{
  "code": 20000,
  "message": "查询成功！",
  "data": {
    "userId": 245,
    "userName": "admin",
    "userPhone": "13200001110",
    "userGender": "MAN",
    "userEmail": "0303@qq.com",
    "userRoleId": null,
    "userRoleName": null,
    "userCreateTime": "2021-03-27",
    "userUpdateTime": "2021-04-01",
    "userStatus": "ENABLE"
  }
}
```

六、分享设备

1. 请求

- 主题 TOPIC

```
/GET/UUID/confidence-device/devShared/insertDevShared
```

- paload json sha1 加密

```
{
  "accessToken":
"eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOlsiY29uZmlkZW5jZS11c2VyIiwiY2
9uZmlkZW5jZS1kZWl2Y2UiXSwic2NvcGUiOlsiYXNkZmFzZiJdLCJuYW1lIjpudWxsLCJpZCI6bn
VsbCwiZXhwIjoxNjE3MzAxMjcwLCJhdXRob3JpdGllcyI6WyJST0xFX0NPTU1PTiJdLCJqdGkiOi
JiOTY0ZWQxMi1jODE0LTQ3OGMtYjE1Ni0wYWUwY2IwZjU2YjgiLCJjbGllbnRfaWQiOiJjb25maW
RlbmNlIiwidXNlcm5hbWUiOiJicnVjZXllaFiJ9.FFRyMG6sWAykX0VQtSUc4YP9FKoUy67A7aMSP
2X4y4--9o2HotEU_o88SBBeByOvE8ay68Hmmg0qk2bf39vT-JImCPxFGBb-
SWRZsudodyVv_IKN3BKBqxJWmOFhR1Gxf8Abw1YgQ2ntdLi2z3Lp6855N5vKlW7GClz8kGxSKttz
RO7RIJ_LL4pDBWDdpithrI-
BObOWBNX9Qy6lHMSOfewy8GzhxTtadliMNS_5fU2fIklyXoafcCPGco-
scjOnAydcZUShXEoxCWU-
i4ApQobbpY6FOj8_j7nleBfSs1SchJlBYoug_GIgr1CPDViH3pqg0eP3TDYbEgFVwhqoJw",
```

```json
      "sharedDeviceId": 0,
      "sharedUserId": 0,
      "userName": "string"
  }
```

2. 应答

- 主题 TOPIC

```
/HTTP/UUID/confidence-device/devShared/insertDevShared
```

- paload json sha1 加密

```json
{
  "code": 20000,
  "message": "成功! ",
  "data": null
}
```

控制