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 **控制设备**

```
   - 发送 TOPIC /DEV/自己 UUID
   - 订阅 TOPIC /SER2DEV/自己 UUID/#
```

透传设备

```
 - 发送 TOPIC /DEVTUBE/自己 UUID
 - 订阅 TOPIC /TUBE2DEV/自己 UUID/#
```

音频设备

```
 - 发送 TOPIC /ADFDEV/自己 UUID
 - 订阅 TOPIC /SER2ADF/自己 UUID/#
```

3. APP

   - 控制模块 发送 TOPIC /APP/源 UUID/目标 UUID

   - 透传模块 发送 TOPIC /TUBE/源 UUID/目标 UUID

   - 音频模块 发送 TOPIC /ADF/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

- 发送 TOPIC /TUBE2DEV/源 UUID/目标 UUID

- 订阅 TOPIC /ADF/#

- 订阅 TOPIC /ADFDEV/#

- 订阅 TOPIC /TUBEDEV/#

- 订阅 TOPIC /TUBE/#

- 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/目标 UUID

HTTP

一、请求登录鉴权

1. 请求

- 主题 TOPIC

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

- payload sha1 加密

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

2. 应答

- 主题 TOPIC

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

- payload 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
```

- payload 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
```

- payload 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
```

- payload json sha1 加密

```
{
  "url": "?deviceMac=44237CBD76AA",
  "accessToken":
```
"eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOlsiY29uZmlkZW5jZS11c2VyIiwiY29uZmlkZW5jZS1kZWl2Y2UiXSwic2NvcGUiOlsiYXNkZmZzZiJdLCJuYW1lIjpudWxsLCJpZCI6bnVsbCwiZXhwIjoxNjE3MzAxMjcwLCJhdXRob3JpdGllcyI6WyJST0xFX0NPTU1PTiJdLCJqdGkiOiJiOTY0ZWQxMi1jODE0LTQ3OGMtYjE1Ni0wYWUwY2IwZjU2YjgiLCJjbGllbnRfaWQiOiJjb25maWRlbmNlIiwidXNlcm5hbWUiOiJicnVjZXlhbiJ9.FFRyMG6sWAykX0VQtSUc4YP9FKoUy67A7aMSP2X4y4--9o2HotEU_o88SBBeByOvE8ay68Hmmg0qk2bf39vT-JImCPxFGBb-SWRZsudodyVv_IKN3BKBqxJWmOFhR1Gxf8Abw1YgQ2ntdLi2z3Lp6855N5vKlW7GClz8kGxSKttzRO7RIJ_LL4pDBWDdpithrI-BObOWBNX9Qy6lHMSOfewy8GzhxTtadliMNS_5fU2fIklyXoafcCPGco-scjOnAydcZUShXEoxCWU-i4ApQobbpY6FOj8_j7nleBfSs1SchJlBYoug_GIgr1CPDViH3pqg0eP3TDYbEgFVwhqoJw"
}
```

2. 应答

- 主题 TOPIC

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

- payload 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
```

- payload json sha1 加密

```
{
  "accessToken":
"eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOlsiY29uZmlkZW5jZS11c2VyIiwiY2
9uZmlkZW5jZS1kZWl2Y2UiXSwic2NvcGUiOlsiYXNkZmFzZiJdLCJuYW1lIjpudWxsLCJpZCI6bn
VsbCwiZXhwIjoxNjE3MzAxMjcwLCJhdXRob3JpdGllcyI6WyJST0xFX0NPTU1PTiJdLCJqdGkiOi
JiOTY0ZWQxMi1jODE0LTQ3OGMtYjE1Ni0wYWUwY2IwZjU2YjgiLCJjbGllbnRfaWQiOiJjb25maW
RlbmNlIiwidXNlcm5hbWUiOiJicnVjZXXlhbiJ9.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
```

- payload 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
```

- payload json sha1 加密

```
{
  "url": "?userName=admin",
  "accessToken":
"eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOlsiY29uZmlkZW5jZS11c2VyIiwiY2
9uZmlkZW5jZS1kZWl2Y2UiXSwic2NvcGUiOlsiYXNkZmFzZiJdLCJuYW1lIjpudWxsLCJpZCI6bn
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/selectUserInfo
```

- payload 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
  ```

- payload string sha1 加密

  ```
  {
    "url": "?userPhone=13200001110",
    "accessToken":
  "eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOlsiY29uZmlkZW5jZS11c2VyIiwiY2
  9uZmlkZW5jZS1kZWl2Y2UiXSwic2NvcGUiOlsiYXNkZmZiZiJdLCJuYW1lIjpudWxsLCJpZCI6bn
  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
  ```

- payload 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,
  ```

```json
        "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
```

- payload json sha1 加密

```json
{
  "accessToken":
"eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOlsiY29uZmlkZW5jZS11c2VyIiwiY2
9uZmlkZW5jZS1kZWl2Y2UiXSwic2NvcGUiOlsiYXNkZmFzZiJdLCJuYW1lIjpudWxsLCJpZCI6bn
VsbCwiZXhwIjoxNjE3MzAxMjcwLCJhdXRob3JpdGllcyI6WyJST0xFX0NPTU1PTiJdLCJqdGkiOi
JiOTY0ZWQxMi1jODE0LTQ3OGMtYjE1Ni0wYWUwY2IwZjU2YjgiLCJjbGllbnRfaWQiOiJjb25maW
RlbmNlIiwidXNlcm5hbWUiOiJicnVjZXllhbiJ9.FFRyMG6sWAykX0VQtSUc4YP9FKoUy67A7aMSP
2X4y4--9o2HotEU_o88SBBeByOvE8ay68Hmmg0qk2bf39vT-JImCPxFGBb-
SWRZsudodyVv_IKN3BKBqxJWmOFhR1Gxf8Abw1YgQ2ntdLi2z3Lp6855N5vKlW7GClz8kGxSKttz
RO7RIJ_LL4pDBWDdpithrI-
BObOWBNX9Qy6lHMSOfewy8GzhxTtadliMNS_5fU2fIklyXoafcCPGco-
scjOnAydcZUShXEoxCWU-
i4ApQobbpY6FOj8_j7nleBfSs1SchJlBYoug_GIgr1CPDViH3pqg0eP3TDYbEgFVwhqoJw",
  "sharedDeviceId": 0,
  "sharedUserId": 0,
  "userName": "string"
}
```

2. 应答

- 主题 TOPIC

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

- payload json sha1 加密

```json
{
  "code": 20000,
  "message": "成功！",
```

```
    "data": null
}
```

控制