Solace Access Control

Using MQTT Topics

For the MQTT communication some additional TOPICs have been internaly added. The default Topic is still configured over the WebGui. If you use more then one device, all used devices should have the same name configured by the WebGui. All MQTT communication is done with JSON Payload as MQTT Message.

Topic hierarchy:

```
(TOPIC)---+---/sync
          |
          +---/send
          |
          +---/accesslist
          |
          +---/cmd
```

If you configured over the WebGui for example (TOPIC) = "rfid" these topic queues can be used:

- rfid
- rfid/cmd
- rfid/sync
- rfid/send
- rfid/accesslist

Commands

The message format is JSON it has to include the IP of the device & the command for a message recv by the ESP-RFID firmware. These messages can be received on (TOPIC)/cmd, where (TOPIC) is the topic assigned in MQTT settings:

getuser

Sends all useres back over the (TOPIC)/accesslist Json Command Format:

```
{
    "cmd"    :"getuser",
    "doorip" :"(The ESP-RFID IP of the door to open as String)"
```

```
}
```

listusr

Sends all useres back over (TOPIC)/send. Currently no difference between it and `getuser`, but will be used in future for different formatting. Json Command Format:

```
{
    "cmd"   :"listusr",
    "doorip":"(The ESP-RFID IP of the door to open as String)"
}
```

openlock

Opens the Door / Magnetic Lock Json Command Format:

```
{
    "cmd"   :"openlock",
    "lock"  :(lock number, either 1 or 2),
    "doorip":"(The ESP-RFID IP of the door to open as String)"
}
```

delallusers

Delete all users. It deletes all User SPIF files. Json Command Format:

```
{
    "cmd"   :"delallusers",
    "doorip":"(The ESP-RFID IP of the door to open as String)"
}
```

deluser

Delete one user. It deletes SPIFF file of one user. Json Command Format:

```
{
    "cmd"   :"deletuser",
    "doorip":"(The ESP-RFID IP of the door to open as String)",
    "uid"   :"(UID of card to be removed)"
}
```

adduser

Adds a User as SPIFFs file to the device. That can be shown/edit over the WebGUI Json Command Format:

```
{
```

```
        "cmd"       : "adduser",
        "user"      : "(name of user)",
        "validuntil": (int Unix time, defaults to 2145916800),
        "acctype"   : (FOR LOCK 1: 0 for disabled, 1 for always, defaults to 1),
        "acctype2"  : (FOR LOCK 2: 0 for disabled, 1 for always, defaults to 0),
        "uid"       : "(Card UID as a string)",
        "doorip"    : "(The ESP-RFID IP of the door to open as string)"
}
```