Equipment alarm receiving and access process

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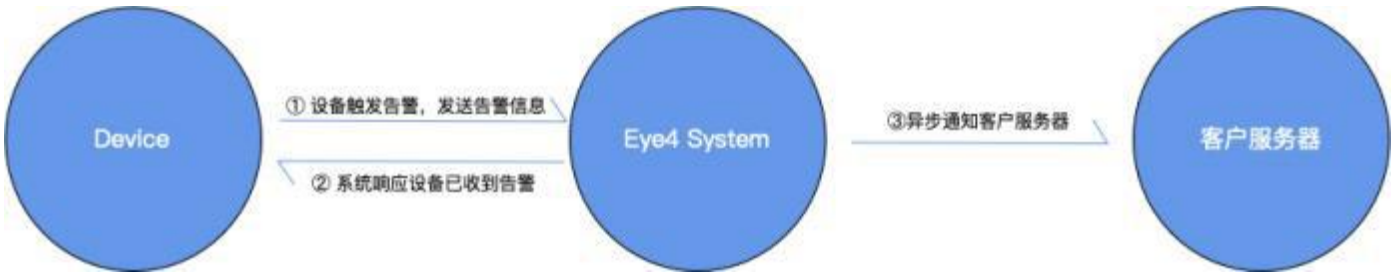
The device alarm information can be obtained by the asynchronous notification

I. Flow chart



2. Example of an alarm message structure

When the device triggers the alarm event, the device will report the message to the system in the first time. Because the live video needs a certain recording time, the device will upload the video to the cloud storage after the recording, so an alarm event is divided into two messages, the first arrival to the system is the alarm message, the structure is as follows:

```
{
        "type ": "doorbell ",
        "action ": "100",
        "Bid": "<- -Device ID- ->",
        "payload ": {
            "electricity": "<- -Power- ->",
            "fileid": "<- -The file is uniquely labeled as the-->"
        },
        "cover": "<- -Cover picture-->"
    }
```

parameter	type	explain
did	Strin g	The unique number of equipment
t ype	Strin g	device type
actio n	Strin g	The m message action coding 100: The door magnet is opened / PIR human detection is triggered 101: Low power reminder
c over	Strin g	the title page of a thread-bound book url
p ayload	Strin g	Custom data, customized by the device side

3. Example of the resource message structure

The callback notification is triggered when the device uploads the resource file. The message structure is as follows:

```
{
  "Key": "<- -fileid- ->" in the alarm message,
  "region": "<- -Resource File Storage area- ->",
  "d 009_id": "<- -, business number ID- ->",
}
```

parameter	type	explain
d 009_id	Strin g	Unique identification of the resource file that corresponds to the fileid in the alarm message structure body
r egion	Strin g	Resource file storage area
k ey	Strin g	The uploaded resource file name

4. Get the resource playback address

According to the fileid, obtain the download address

Request syntax:

```
POST  /push /fileid  HTTP /1.1
Content -Type : application /json ; charset =utf -8
Host : api.eye4.cn
Content -Length : 114

{"fileid ":"f 991d 9064ac 71fad6a9fae22d17a4aab9f5b264d","type":"D009"}
```

Description of the request parameters 11:

The parameter name	type	explain
u serid	Strin g	User-specific and unique labeling.
a uthkey	Strin g	authorization code.
f ileid	Strin g	Unique indication of the cloud storage resource
t ype	Strin g	Identifies the resource type D 005 Alarm cloud storage D 009 DB 1 Door bell cloud storage

If the request is successful, the http request status code is 200, returning a JSON string containing the following:

```
[
  {
    "file _name ": "http ://alarm -
vstc .eye 4.cn /alarm _image _VSTB 366562CWVTV _20170306125805.jpg?
e =1488875341&token =FSwzdzAjD 8SHgZr 6mnamWy 2MNFSpjDu 7-
I 7vX 9ZO :MDE _oYGUAbGV 7NnB 8UM 5NOI 8SsI =",
    "fil e _Type ": "image "
  },
  {
    "file _name ": "http ://alarm -
vstc .eye 4.cn /alarm _video _VSTB 366562CWVTV _20170306125804.h264?
e =1488875341&token =FSwzdzAjD 8SHgZr 6mnamWy 2MNFSpjDu 7-
I 7vX 9ZO :PAEKC 0ZhjNIAN 9IgR 5AahiYDscY =",
    "fil e _Type ": "video "
  }
]
```

Response field description:

key	explain
file _name	download link.
file _Type	document type.

answer-back code:

If the resource expires (30 days), it returns the [] empty array

V. Matters needing attention

1. Receive alarm messages and the callback interface of resource file are recommended to receive respectively;

2. Resource messages do not exist by 100%. Due to various problems such as network, the loss of resource files will result, and the access party needs to be fault-tolerant;

3. For http requests from Eye 4 system, header will have a fixed guid field, and the user can judge the guid field to prevent others from forging alarm messages;

4. The default validity period of resource documents is 30 days;