GCS (Ground control Station MultiUAV) (2.3.1)

Download OpenAPI specification: Download

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Descripcion de API de Alto nivel para comunicacion de Ros con UAV. some usefull link:

Repositorio

Find more about the project

Devices

Management of UAV-devices

Fetch a list of Devices

Return the list of devices

HEADER PARAMETERS

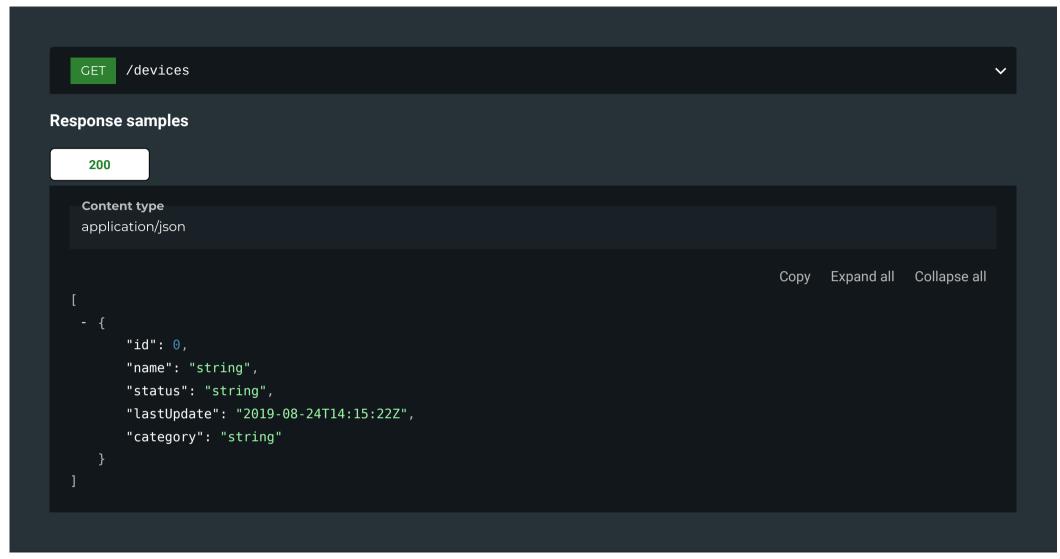
→ token string

Token de autenticacion

Responses

```
✓ 200 (ok) list of devices

RESPONSE SCHEMA: application/json
Array [
 .⊣ id
                                    integer
  ⊣ name
                                    string
  ⊣ status
                                    string
  ⊣ lastUpdate
                                    string <date-time>
                                    in ISO 8601 format. eg. 1963-11-22T18:30:00Z
 ☐ category
                                    string
- 400 No permission
```



Create a Device

HEADER PARAMETERS

→ token string

Token de autenticacion

REQUEST BODY SCHEMA: application/json	
— uav_id	string
⊣ uav_type	string

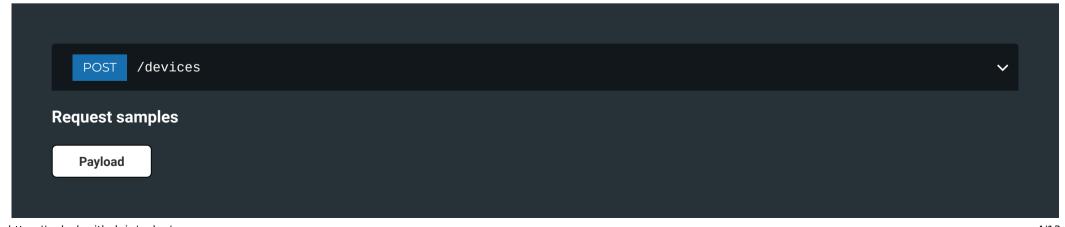
Responses

```
✓ 200 OK

RESPONSE SCHEMA: application/json

Juav_id
string

Juav_type
string
```



```
Content type
    application/json
                                                                                                                        Сору
      "uav_id": "string",
      "uav_type": "string"
Response samples
     200
    Content type
    application/json
                                                                                                                         Copy
      "uav_id": "string",
      "uav_type": "string"
```

Delete a Device

PATH PARAMETERS



integer

Responses

- 204 No Content



Positions

Obtains raw data from the UAV

Fetches a list of Positions

We strongly recommend using Websocket instead of periodically polling positions endpoint. Without any params, it returns a list of last known positions for all the user's Devices. *from* and *to* fields are not required with *id*.

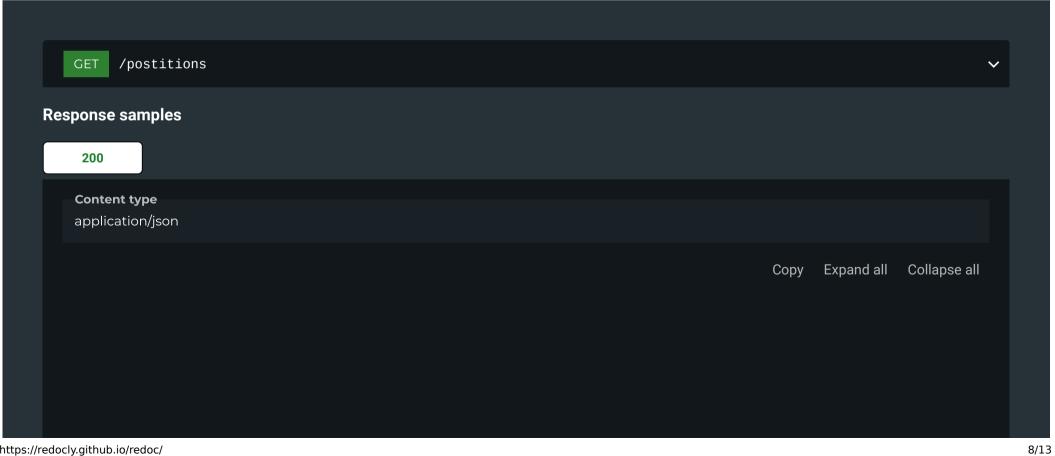
Responses

```
∨ 200 OK
RESPONSE SCHEMA: application/json
Array [
 ─ deviceId
                                  integer
 ─ deviceTime
                                  string <date-time>
                                 in ISO 8601 format. eg. 1963-11-22T18:30:00Z
  ⊣ latitude
                                 number
  ⊣ longitude
                                 number
  ⊣ altitude
                                 number
 → speed
                                 number
                                 in knots
  ⊣ course
                                 number
 ⊢ attributes ∨
                                  object
     → protocol
                                    string
      ⊣ mission_state
                                    string
```

```
→ wp_reached
                               integer
⊣ uav_state
                               string

→ landed_state

                               string
⊢ alarm
                               string
```



```
"deviceId": 0,
  "deviceTime": "2019-08-24T14:15:22Z",
  "latitude": 0,
  "longitude": 0,
  "altitude": 0,
  "speed": 0,
  "course": 0,
- "attributes": {
     "protocol": "string",
     "mission_state": "string",
     "wp_reached": 0,
     "uav_state": "string",
     "landed_state": "string",
     "alarm": "string"
```

Missions

Management the mission

Load mission to devices

without any parameter, load the mission all UAV's

PATH PARAMETERS

 \dashv id

integer

Responses

- 204 No Content



Command to exec mission

without any parameter, load the mission all UAV's

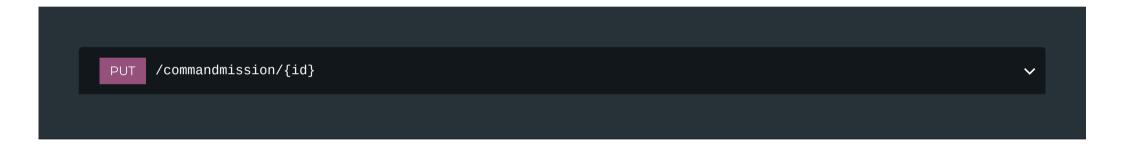
PATH PARAMETERS

 \dashv id

integer

Responses

- 204 No Content



Commands

Send command the UAV

Send command to devices

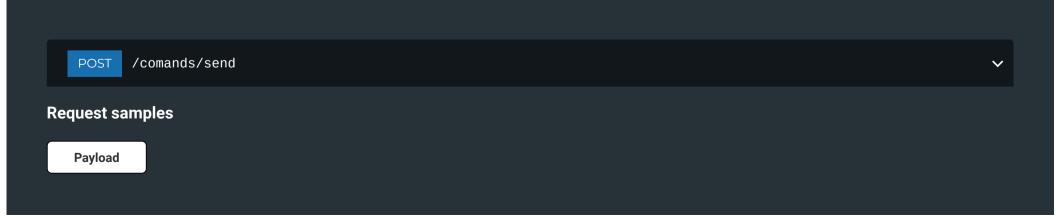
Send command to devices

REQUEST BODY SCHEMA: application/json

deviceId integer
attributes object

Responses





```
Content type
    application/json
                                                                                                 Copy Expand all Collapse all
      "deviceId": 0,
      "attributes": { }
Response samples
     200
    Content type
    application/json
                                                                                                 Copy Expand all Collapse all
      "deviceId": 0,
      "attributes": { }
```