

GCS Websockets API for multiUAV 1.8.0

Ademas de la REST API, la GCS posee un punto de acceso final WebSocket para actualizaciones en directo.

Servers

localhost:4000/api/socket

WSS

PUBLIC

Servidor publico disponible sin autenticacion

Operations

SUB

 /

Messages that you receive from the websocket

Operation ID

sendMessage

Accepts the following message:

update

array con serverstate, device and positions

elemento del array contiene un objeto tipo Json de devices, positions.Si un mensaje no contiene ningún objeto de un determinado tipo, la key no se incluirá en la estructura JSON. En la mayoría de los casos, un mensaje contiene un único tipo de objetos.

Payload

^

Expand all

Object

uid: update

devices

>

Expand all

Array<Object>

position

>

Expand all

Array<Object>

RosState

Boolean

Additional properties are allowed.



Examples

Payload



```
{
  "devices": [
    {
      "id": 0,
      "name": "string",
      "status": "string",
      "lastUpdate": "2019-08-24T14:15:22Z",
      "category": "string"
    }
  ],
  "position": [
    {
      "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"
      }
    }
  ],
  "RosState": true
}
```

This example has been generated automatically.

Messages

#1

update

array con serverstate, device and positions



elemento del array contiene un objeto tipo Json de devices, positions.Si un mensaje no contiene ningún objeto de un determinado tipo, la key no se incluirá en la estructura JSON. En la mayoría de los casos, un mensaje contiene un único tipo de objetos.

Payload ^ Expand all

Object

uid: update

devices > Expand all

Array<Object>

position > Expand all

Array<Object>

RosState

Boolean

Additional properties are allowed.

Schemas

update ^ Expand all

Object

uid: update

devices ^ Expand all

Array<Object>

id

Integer

name

String

status

String

lastUpdate

String

format: date-time

in ISO 8601 format. eg. `1963-11-22T18:30:00Z`

category

String

position ^ Expand all

Array<Object>

deviceId

Integer

deviceTime

String

format: date-time

in ISO 8601 format. eg. `1963-11-22T18:30:00Z`

latitude

Number

longitude

Number

altitude

Number



<i>speed</i>	Number in knots
<i>course</i>	Number
<i>attributes</i> > Expand all	Object

RosState **Boolean**

Additional properties are allowed.

Device ^ Expand all **Object** uid: Device

<i>id</i>	Integer
<i>name</i>	String
<i>status</i>	String
<i>lastUpdate</i>	String format: date-time in ISO 8601 format. eg. `1963-11-22T18:30:00Z`
<i>category</i>	String
Additional properties are allowed.	

Position ^ Expand all **Object** uid: Position

<i>deviceId</i>	Integer
<i>deviceTime</i>	String format: date-time in ISO 8601 format. eg. `1963-11-22T18:30:00Z`
<i>latitude</i>	Number
<i>longitude</i>	Number
<i>altitude</i>	Number
<i>speed</i>	Number in knots
<i>course</i>	Number
<i>attributes</i> > Expand all	Object



Additional properties are allowed.

