**Partizan CLOUD STORAGE API**

**Data transfer protocol between the clients and the Partizan Cloud Storage service**

JSON (JavaScript Object Notation) data format is used for data transfer. JSON format is currently described by two competing standards, RFC 7159 and ECMA-404.

Requests to the server and replies from the server can be send/recieved by using REST API (GET, POST, PUT, DELETE requests).

Requests appearance:

URL: https://[server address]:[server port]/[Api permission scope]/[API method name]

Request сontent: json={"key1":"value1", "key2":"value2",..."keyN":"valueN"}\*

\*Request сontent is encoded in format "application/x-www-form-urlencoded"

In Request Header it's needed to add: ContentType: "application/x-www-form-urlencoded"

**Api permission scope** — a relative link to run requests in the user functional space. Following functional spaces are used:

* */rest* - public methods (allowed for: any role)
* */restProtected* - users methods (allowed for: ROLE\_USER\_INDIVIDUAL, ROLE\_USER\_CORPORATE,ROLE\_SUPPORT, ROLE\_ADMIN, ROLE\_PARTNER
* */partnerRest* - partners methods (allowed for: ROLE\_PARTNER)
* */ownerRest* -owner methods (allowed for: ROLE\_OWNER)
* */supportRest* - support methods (allowed for: ROLE\_SUPPORT)
* */adminRest* - administrator methods (allowed for: ROLE\_ADMIN)

This service is responsible for calling the API functions and error handling.

**API method name** — the name of the method that you want to call in this api.

Request sample:

URL:

https://api.partizancloud.com:8443/rest/updateUserDevice

Request сontent:

json={"camera\_id":1158,"camera\_name":"TestCam",

"device\_type\_id":1,"device\_model\_id":4,"device\_login":"admin","device\_password":"pass",

"device\_timezone\_id":22,"is\_active":"true","camera\_record\_plan\_id":2,"camera\_streaming\_plan\_id":1,

"sensitivity":60}

The encoded samle in format "application/x-www-form-urlencoded":

json%3D%7B%22camera\_id%22%3A1158%2C%22camera\_name%22%3A%22TestCam%22%2C%0D%0A%22device\_type\_id

%22%3A1%2C%22device\_model\_id%22%3A4%2C%22device\_login%22%3A%22admin%22%2C%22device\_password%22%3A%22

pass%22%2C%0D%0A%22device\_timezone\_id%22%3A22%2C%22is\_active%22%3A%22true%22%2C%22

camera\_record\_plan\_id%22%3A2%2C%22camera\_streaming\_plan\_id%22%3A1%2C%0D%0A%22sensitivity%22%3A60%7D

**Public - /securityLogin**

Authorizes the user.

rest/securityLogin

Permission: All

* [Example usage:](http://doc.partizancloud.com/#examples-Public-_securityLogin-0_3_0-0)

URL - https://api.partizancloud.com:8443/rest/securityLogin

BODY - json={"email":"user@partizan.com","password":"developer","remember\_me":false,"client\_key":"46df71a7c8675433bc843312313123faf55"}

**Parameters**

| **Field** | **Type** | **Description** |
| --- | --- | --- |
| client\_key | String | Client key. |
| email | String | Email. |
| password | String | Password. |
| remember\_me optional | Boolean | True - remember, False - not.  Default value: FALSE |

**Method returns:**

| **Field** | **Type** | **Description** |
| --- | --- | --- |
| storage\_space | Number | Storage space in bytes. |

* [Sample response (Success):](http://doc.partizancloud.com/#success-examples-Public-_securityLogin-0_3_0-0)

HTTP/1.1 200 OK

{"error\_code":0,"storage\_space":123456789}

**Error (error\_code = xxx)**

| **Field** | **Type** | **Description** |
| --- | --- | --- |
| 0 | Number | Request successfull. |
| 202 | Number | The user has not activated the account. |
| 204 | Number | User does not exist. |
| 205 | Number | Bad credentials. |
| 208 | Number | Unknown error. |
| 209 | Number | Invalid key for client api. |

* [Sample response (Error):](http://doc.partizancloud.com/#error-examples-Public-_securityLogin-0_3_0-0)

HTTP/1.1 200 OK

{"error\_code": 108}

# User - /getUserDevices

Getting a list of all user devices.

restProtected/getUserDevices

Permission: ROLE\_USER

* [Example usage:](http://doc.partizancloud.com/#examples-User-_getUserDevices-0_3_0-0)

URL - https://api.partizancloud.com:8443/restProtected/getUserDevices

BODY - json={}

## Parameters

| **Field** | **Type** | **Description** |
| --- | --- | --- |
| data | JSON[] | Array of data. |

## Method returns:

| **Field** | **Type** | **Description** |
| --- | --- | --- |
| user\_cameras | JSON[] | User cameras list. |
| cameras\_group\_id | Number | Camera group id. |
| cameras\_group\_name | String | Camera group name. |
| cameras | JSON[] | List of cameras. |
| sensitivity | Number | Sensitivity. |
| storage\_enabled | Boolean | Recorded or not. |
| camera\_id | Number | Camera\_id. |
| device\_integration\_type\_id | Number | type of integration id (used for online view). |
| camera\_channel | Number | Camera channel. |
| device\_timezone\_id | Number | Device timezone id. |
| device\_id | Number | Device id. |
| device\_hwid | Number | Device MAC address. |
| camera\_name | String | Camera name. |
| device\_type\_id | Number | Device type id. |
| device\_model\_id | Number | Device model id. |
| is\_active | Boolean | Camera activation status. |
| is\_online | Boolean | Camera status. |
| is\_armed | Boolean | Armed status. |
| notification\_frequency | Number | Minimal amount of time between two notifications of the same type. |
| device\_login | String | Device login. |
| device\_password | String | Device password. |
| is\_credentials\_valid | Boolean | The validity of the username and password. |
| camera\_recording\_plan\_id | Number | Record plan id. |
| camera\_streaming\_plan\_id | Number | Streaming plan id. |
| camera\_recording\_plan\_status | String | Recording plan status.  Allowed values: "ACTIVE", "INACTIVE", "ENDS" |
| camera\_streaming\_plan\_status | String | Streaming plan status.  Allowed values: "ACTIVE", "INACTIVE", "ENDS" |
| camera\_next\_recording\_plan\_id | Number | Next recording plan id. |
| camera\_next\_streaming\_plan\_id | Number | Next streaming plan id. |
| camera\_recording\_auto\_renew | Number | Camera recording plan auto renew. |
| camera\_streaming\_auto\_renew | Number | Camera streaming plan auto renew. |
| camera\_recording\_paid\_till | String | Recording plan validity. |
| camera\_streaming\_paid\_till | String | Streaming plan validity. |
| camera\_recording\_plan\_prepaid\_period\_id | Number | Prepaid period id for recording. |
| camera\_streaming\_plan\_prepaid\_period\_id | Number | Prepaid period id for streaming. |
| cameras\_group\_id | Number | Camera group id. |
| shared\_for | JSON[] | List of users that can get access to camera. |
| notification\_settings | JSON[] | Notification settings. |
| camera\_event\_type\_id | Number | Alarm id. |
| camera\_event\_type\_name | String | Alarm name. |
| EMAIL | Boolean | Send message on email. |
| SMS | Boolean | Send message on SMS. |
| PUSH | Boolean | Send push message. |
| folders | JSON[] | List of folders. |
| shared\_cameras | JSON[] | List of shared cameras. |
| folders | JSON[] | List of Folders. |
| cameras | JSON[] | List of shared cameras. |
| camera\_id | Number | Camera id. |
| camera\_name | String | Camera name. |
| device\_hwid | Number | Device MAC address. |
| is\_active | Boolean | Camera activation status. |
| is\_online | Boolean | Camera status. |
| is\_credentials\_valid | Boolean | The validity of the username and password. |
| cameras\_groups | JSON[] | List of camera groups. |
| id | Number | Camera group id. |
| root\_id | Number | Camera group root id. |
| name | String | Camera group name. |
| path | String | Path for folders. |

* [Sample response (Success):](http://doc.partizancloud.com/#success-examples-User-_getUserDevices-0_3_0-0)

HTTP/1.1 200 OK

{"data":{"user\_cameras":{"cameras\_group\_id":199,"cameras\_group\_name":"/","cameras":[{"sensitivity":0,"storage\_enabled":true,"camera\_id":1223,"device\_integration\_type\_id":2,"camera\_channel":1,"device\_timezone\_id":12,"device\_id":1191,"device\_hwid":206414982921147,"camera\_name":"asdf","device\_type\_id":1,"device\_model\_id":4,"is\_active":true,"is\_online":false,"is\_armed":false,"notification\_frequency":1,"device\_login":"","device\_password":"","is\_credentials\_valid":true,"camera\_recording\_plan\_id":1,"camera\_recording\_plan\_status":"INACTIVE","camera\_streaming\_plan\_id":3,"camera\_streaming\_plan\_status":"INACTIVE","camera\_next\_recording\_plan\_id":1,"camera\_next\_streaming\_plan\_id":1,"camera\_recording\_auto\_renew":false,"camera\_streaming\_auto\_renew":false,"camera\_recording\_paid\_till":"2000-01-01T07:00:00","camera\_streaming\_paid\_till":"2000-01-01T07:00:00","camera\_recording\_prepaid\_period\_id":1,"camera\_streaming\_prepaid\_period\_id":1,"cameras\_group\_id":199,"shared\_for":[],"notification\_settings":[{"camera\_event\_type\_id":1,"camera\_event\_type\_name":"CAM\_ARMED\_EVENT","EMAIL":false,"SMS":false,"PUSH":false},{"camera\_event\_type\_id":2,"camera\_event\_type\_name":"CAM\_DISARMED\_EVENT","EMAIL":false,"SMS":false,"PUSH":false},{"camera\_event\_type\_id":3,"camera\_event\_type\_name":"CAM\_ENABLED\_EVENT","EMAIL":false,"SMS":false,"PUSH":false},{"camera\_event\_type\_id":4,"camera\_event\_type\_name":"CAM\_DISABLED\_EVENT","EMAIL":false,"SMS":false,"PUSH":false},{"camera\_event\_type\_id":5,"camera\_event\_type\_name":"CAM\_ONLINE\_EVENT","EMAIL":false,"SMS":false,"PUSH":false},{"camera\_event\_type\_id":6,"camera\_event\_type\_name":"CAM\_OFFLINE\_EVENT","EMAIL":false,"SMS":false,"PUSH":false},{"camera\_event\_type\_id":7,"camera\_event\_type\_name":"CAM\_MOTION\_EVENT","EMAIL":false,"SMS":false,"PUSH":false},{"camera\_event\_type\_id":8,"camera\_event\_type\_name":"CAM\_TRIGGER\_EVENT","EMAIL":false,"SMS":false,"PUSH":false},{"camera\_event\_type\_id":9,"camera\_event\_type\_name":"CAM\_SETTINGS\_CHANGED\_EVENT","EMAIL":false,"SMS":false,"PUSH":false},{"camera\_event\_type\_id":10,"camera\_event\_type\_name":"CAM\_LIVE\_REQUEST\_EVENT","EMAIL":false,"SMS":false,"PUSH":false},{"camera\_event\_type\_id":11,"camera\_event\_type\_name":"CAM\_PLAYBACK\_REQUEST\_EVENT","EMAIL":false,"SMS":false,"PUSH":false}]},{"sensitivity":0,"storage\_enabled":true,"camera\_id":1188,"device\_integration\_type\_id":2,"camera\_channel":1,"device\_timezone\_id":7,"device\_id":1157,"device\_hwid":20043826834897,"camera\_name":"credNotValidTest","device\_type\_id":2,"device\_model\_id":3,"is\_active":true,"is\_online":false,"is\_armed":true,"notification\_frequency":5,"device\_login":"","device\_password":"","is\_credentials\_valid":false,"camera\_recording\_plan\_id":1,"camera\_recording\_plan\_status":"INACTIVE","camera\_streaming\_plan\_id":3,"camera\_streaming\_plan\_status":"INACTIVE","camera\_next\_recording\_plan\_id":1,"camera\_next\_streaming\_plan\_id":1,"camera\_recording\_auto\_renew":false,"camera\_streaming\_auto\_renew":false,"camera\_recording\_paid\_till":"2000-01-01T07:00:00","camera\_streaming\_paid\_till":"2000-01-01T07:00:00","camera\_recording\_prepaid\_period\_id":1,"camera\_streaming\_prepaid\_period\_id":1,"cameras\_group\_id":199,"shared\_for":[],"notification\_settings":[{"camera\_event\_type\_id":1,"camera\_event\_type\_name":"CAM\_ARMED\_EVENT","EMAIL":false,"SMS":false,"PUSH":false},{"camera\_event\_type\_id":2,"camera\_event\_type\_name":"CAM\_DISARMED\_EVENT","EMAIL":false,"SMS":true,"PUSH":false},{"camera\_event\_type\_id":3,"camera\_event\_type\_name":"CAM\_ENABLED\_EVENT","EMAIL":false,"SMS":false,"PUSH":false},{"camera\_event\_type\_id":4,"camera\_event\_type\_name":"CAM\_DISABLED\_EVENT","EMAIL":false,"SMS":false,"PUSH":false},{"camera\_event\_type\_id":5,"camera\_event\_type\_name":"CAM\_ONLINE\_EVENT","EMAIL":false,"SMS":false,"PUSH":true},{"camera\_event\_type\_id":6,"camera\_event\_type\_name":"CAM\_OFFLINE\_EVENT","EMAIL":true,"SMS":false,"PUSH":false},{"camera\_event\_type\_id":7,"camera\_event\_type\_name":"CAM\_MOTION\_EVENT","EMAIL":false,"SMS":false,"PUSH":false},{"camera\_event\_type\_id":8,"camera\_event\_type\_name":"CAM\_TRIGGER\_EVENT","EMAIL":false,"SMS":false,"PUSH":false},{"camera\_event\_type\_id":9,"camera\_event\_type\_name":"CAM\_SETTINGS\_CHANGED\_EVENT","EMAIL":false,"SMS":false,"PUSH":false},{"camera\_event\_type\_id":10,"camera\_event\_type\_name":"CAM\_LIVE\_REQUEST\_EVENT","EMAIL":false,"SMS":false,"PUSH":false},{"camera\_event\_type\_id":11,"camera\_event\_type\_name":"CAM\_PLAYBACK\_REQUEST\_EVENT","EMAIL":false,"SMS":false,"PUSH":false}]},{"sensitivity":0,"storage\_enabled":true,"camera\_id":1227,"device\_integration\_type\_id":2,"camera\_channel":1,"device\_timezone\_id":14,"device\_id":1195,"device\_hwid":187649984473770,"camera\_name":"t1","device\_type\_id":1,"device\_model\_id":4,"is\_active":true,"is\_online":false,"is\_armed":false,"notification\_frequency":1,"device\_login":"a","device\_password":"","is\_credentials\_valid":true,"camera\_recording\_plan\_id":1,"camera\_recording\_plan\_status":"INACTIVE","camera\_streaming\_plan\_id":1,"camera\_streaming\_plan\_status":"INACTIVE","camera\_next\_recording\_plan\_id":1,"camera\_next\_streaming\_plan\_id":1,"camera\_recording\_auto\_renew":false,"camera\_streaming\_auto\_renew":false,"camera\_recording\_paid\_till":"2000-01-01T07:00:00","camera\_streaming\_paid\_till":"2000-01-01T07:00:00","camera\_recording\_prepaid\_period\_id":1,"camera\_streaming\_prepaid\_period\_id":1,"cameras\_group\_id":199,"shared\_for":[],"notification\_settings":[{"camera\_event\_type\_id":1,"camera\_event\_type\_name":"CAM\_ARMED\_EVENT","EMAIL":false,"SMS":false,"PUSH":false},{"camera\_event\_type\_id":2,"camera\_event\_type\_name":"CAM\_DISARMED\_EVENT","EMAIL":false,"SMS":false,"PUSH":false},{"camera\_event\_type\_id":3,"camera\_event\_type\_name":"CAM\_ENABLED\_EVENT","EMAIL":false,"SMS":false,"PUSH":false},{"camera\_event\_type\_id":4,"camera\_event\_type\_name":"CAM\_DISABLED\_EVENT","EMAIL":false,"SMS":false,"PUSH":false},{"camera\_event\_type\_id":5,"camera\_event\_type\_name":"CAM\_ONLINE\_EVENT","EMAIL":false,"SMS":false,"PUSH":false},{"camera\_event\_type\_id":6,"camera\_event\_type\_name":"CAM\_OFFLINE\_EVENT","EMAIL":false,"SMS":false,"PUSH":false},{"camera\_event\_type\_id":7,"camera\_event\_type\_name":"CAM\_MOTION\_EVENT","EMAIL":false,"SMS":false,"PUSH":false},{"camera\_event\_type\_id":8,"camera\_event\_type\_name":"CAM\_TRIGGER\_EVENT","EMAIL":false,"SMS":false,"PUSH":false},{"camera\_event\_type\_id":9,"camera\_event\_type\_name":"CAM\_SETTINGS\_CHANGED\_EVENT","EMAIL":false,"SMS":false,"PUSH":false},{"camera\_event\_type\_id":10,"camera\_event\_type\_name":"CAM\_LIVE\_REQUEST\_EVENT","EMAIL":false,"SMS":false,"PUSH":false},{"camera\_event\_type\_id":11,"camera\_event\_type\_name":"CAM\_PLAYBACK\_REQUEST\_EVENT","EMAIL":false,"SMS":false,"PUSH":false}]},{"sensitivity":23,"storage\_enabled":true,"camera\_id":1189,"device\_integration\_type\_id":2,"camera\_channel":1,"device\_timezone\_id":12,"device\_id":1158,"device\_hwid":77615145404,"camera\_name":"Аквариум","device\_type\_id":1,"device\_model\_id":4,"is\_active":true,"is\_online":false,"is\_armed":true,"notification\_frequency":1,"device\_login":"admin","device\_password":"","is\_credentials\_valid":true,"camera\_recording\_plan\_id":1,"camera\_recording\_plan\_status":"ACTIVE","camera\_streaming\_plan\_id":2,"camera\_streaming\_plan\_status":"INACTIVE","camera\_next\_recording\_plan\_id":1,"camera\_next\_streaming\_plan\_id":1,"camera\_recording\_auto\_renew":false,"camera\_streaming\_auto\_renew":false,"camera\_recording\_paid\_till":"2015-12-27T17:27:32","camera\_streaming\_paid\_till":"2000-01-01T07:00:00","camera\_recording\_prepaid\_period\_id":1,"camera\_streaming\_prepaid\_period\_id":1,"cameras\_group\_id":199,"shared\_for":[{"customer\_id":4,"customer\_email":"user@partizan-cctv.com"}],"notification\_settings":[{"camera\_event\_type\_id":1,"camera\_event\_type\_name":"CAM\_ARMED\_EVENT","EMAIL":false,"SMS":false,"PUSH":false},{"camera\_event\_type\_id":2,"camera\_event\_type\_name":"CAM\_DISARMED\_EVENT","EMAIL":false,"SMS":false,"PUSH":false},{"camera\_event\_type\_id":3,"camera\_event\_type\_name":"CAM\_ENABLED\_EVENT","EMAIL":false,"SMS":false,"PUSH":false},{"camera\_event\_type\_id":4,"camera\_event\_type\_name":"CAM\_DISABLED\_EVENT","EMAIL":false,"SMS":false,"PUSH":false},{"camera\_event\_type\_id":5,"camera\_event\_type\_name":"CAM\_ONLINE\_EVENT","EMAIL":false,"SMS":false,"PUSH":false},{"camera\_event\_type\_id":6,"camera\_event\_type\_name":"CAM\_OFFLINE\_EVENT","EMAIL":false,"SMS":false,"PUSH":false},{"camera\_event\_type\_id":7,"camera\_event\_type\_name":"CAM\_MOTION\_EVENT","EMAIL":false,"SMS":false,"PUSH":false},{"camera\_event\_type\_id":8,"camera\_event\_type\_name":"CAM\_TRIGGER\_EVENT","EMAIL":false,"SMS":false,"PUSH":false},{"camera\_event\_type\_id":9,"camera\_event\_type\_name":"CAM\_SETTINGS\_CHANGED\_EVENT","EMAIL":false,"SMS":false,"PUSH":false},{"camera\_event\_type\_id":10,"camera\_event\_type\_name":"CAM\_LIVE\_REQUEST\_EVENT","EMAIL":false,"SMS":false,"PUSH":false},{"camera\_event\_type\_id":11,"camera\_event\_type\_name":"CAM\_PLAYBACK\_REQUEST\_EVENT","EMAIL":false,"SMS":false,"PUSH":false}]}],"folders":[{"cameras\_group\_id":250,"cameras\_group\_name":"new","cameras":[],"folders":[]},{"cameras\_group\_id":239,"cameras\_group\_name":"newCameraGroup","cameras":[],"folders":[]}]},"shared\_cameras":{"cameras":[{"camera\_id":1231,"camera\_name":"fhnn","device\_hwid":17895698,"is\_active":true,"is\_online":false,"is\_credentials\_valid":true},{"camera\_id":1226,"camera\_name":"fffff","device\_hwid":193491224211450,"is\_active":true,"is\_online":false,"is\_credentials\_valid":true},{"camera\_id":1196,"camera\_name":"Complex-Center","device\_hwid":77616286315,"is\_active":true,"is\_online":false,"is\_credentials\_valid":true},{"camera\_id":1190,"camera\_name":"ttttqggg","device\_hwid":190077770321322,"is\_active":true,"is\_online":false,"is\_credentials\_valid":true},{"camera\_id":1193,"camera\_name":"qqwwww","device\_hwid":187649987855702,"is\_active":true,"is\_online":false,"is\_credentials\_valid":true}],"folders":[]},"cameras\_groups":[{"id":199,"name":"/","path":"/"},{"id":250,"name":"new","root\_id":199,"path":"/new"},{"id":239,"name":"newCameraGroup","root\_id":199,"path":"/newCameraGroup"}]},"error\_code":0}

## Error (error\_code = xxx)

| **Field** | **Type** | **Description** |
| --- | --- | --- |
| 0 | Number | Request successfull. |
| 101 | Number | Session time expired. |
| 408 | Number | Unknown error. |

* [Sample response (Error):](http://doc.partizancloud.com/#error-examples-User-_getUserDevices-0_3_0-0)

HTTP/1.1 200 OK

{"error\_code": 408}