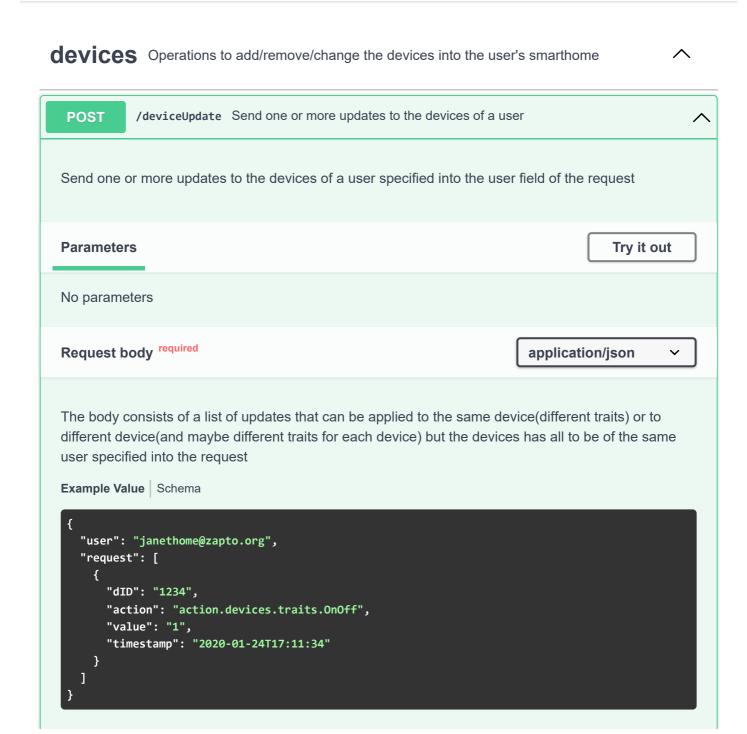# JanetHome Device API 1.0.0 OAS3

REST interface for device update into the JanetHome Web Application. The interface is used to asynchronously send devices' update to the server to notify them to the users

Servers

http://janethome.zapto.org/WebServer - Unipi Virtual Machine offered by the course ⌄

devices   Operations to add/remove/change the devices into the user's smarthome ⌃

POST   **/deviceUpdate**   Send one or more updates to the devices of a user   ⌃

Send one or more updates to the devices of a user specified into the user field of the request

Parameters   Try it out

No parameters

Request body required   application/json ⌄

The body consists of a list of updates that can be applied to the same device(different traits) or to different device(and maybe different traits for each device) but the devices has all to be of the same user specified into the request

Example Value | Schema

```
{
  "user": "janethome@zapto.org",
  "request": [
    {
      "dID": "1234",
      "action": "action.devices.traits.OnOff",
      "value": "1",
      "timestamp": "2020-01-24T17:11:34"
    }
  ]
}
```

Responses

Code	Description	Links
200	The request is accepted and forwarded into the deeper components of the service. Notice that this not means that the request will be executed but only that it's valid and the service can try to execute it.	*No links*

Media type

text/plain ⌄

Controls `Accept` header.

Example Value | Schema

```
Request correctly managed
```

Code	Description	Links
400	The request is not well formatted or some fields are missing	*No links*

Media type

text/plain ⌄

Example Value | Schema

```
Error invalid request
```

Code	Description	Links
500	The service has failed during the forwarding of the request to the deeper components, something into the rabbitMQ service has fail	*No links*

Media type

text/plain ⌄

Example Value | Schema

```
An error has occurred during the forwarding of the request
```

Schemas ⌃

UpdateMessage ⌄ {

    user   string
                              example: janethome@zapto.org

                              The email corresponding to the user

    request   ⌄ [**UpdateRequest** > {...}]

}

UpdateRequest ⌄ {

    dID   string
                              example: 1234

                              The unique numerical ID associated with the device in which the operation has to be applied

    action   string
                              example: action.devices.traits.OnOff

                              The type of action to be performed into the device according to the google home device format

    value   string
                              example: 1

                              The stringed value associated with the action

    timestamp   string
                              example: 2020-01-24T17:11:34

                              A stringed timestamp associated with the time of execution of the operation on the device. The date must be into the format yyyy-MM-dd'T'HH:mm:ss

}