Schnittstellenbeschreibung Mobile Sensing (BaasBox)

# Allgemeine Beschreibung

Im Folgenden sind ein Beispiel für das Login, Abfragen vom Server sowie die DB-Tabellen mit deren Spalten aufgelistet. Dabei ist zu beachten, dass die URL für die Abfragen (GET) „encoded“ sein muss.

Wichtig: Es werden nur Datenbankeinträge generiert, wenn sich der Sensorwert ändert.

Weitere Informationen finden sich auf <http://opensource.baasbox.com/documentation/#undefined>.

# Login

## Request (POST)

|  |  |  |
| --- | --- | --- |
| **URL** | | |
| 141.99.12.45:9000/login | | |
| **BODY (x-www-form-urlencoded)** | | |
| **Parameter** | **Beschreibung** | **Beispiel** |
| username | Der Username |  |
| password | Das Passwort |  |
| appcode | Code zur Identifizierung der Anwendung | 1234567890 |

## Response

{

"result": "ok",

"data": {

"visibleByAnonymousUsers": {},

"user": {

"name": "testuser",

"roles": [

{

"name": "backoffice",

"isrole": true

}

],

"status": "ACTIVE"

},

"id": "4",

"visibleByTheUser": {},

"visibleByFriends": {},

"visibleByRegisteredUsers": {

"\_social": {}

},

"signUpDate": "2016-04-22T06:58:26.991+0200",

"generated\_username": false,

"X-BB-SESSION": "d22222df-4c50-4f70-a31e-728ffeeeb62f"

},

"http\_code": 200

}

# Beispiel Request

## Request (GET)

|  |  |  |
| --- | --- | --- |
| **URL (Encoded!)** | | |
| 141.99.12.45:9000/document/mobileSensing\_Location?  where%3Dtimestamp%20%3E%200%20AND%20Author%20%3D%20%22dennis.lawo%40web.de%22  (141.99.12.45:9000/document/mobileSensing\_Location?  where=timestamp > 0 AND Author = “[dennis.lawo@web.de](mailto:dennis.lawo@web.de)”) | | |
| **HEADER** | | |
| **Parameter** | **Beschreibung** | **Beispiel** |
| X-BB-SESSION | X-BB-SESSION\_ID aus dem Login | d22222df-4c50-4f70-a31e-728ffeeeb62f |

## Response

{

"result": "ok",

"data": [

{

"@rid": "#40:0",

"@version": 1,

"@class": "mobileSensing\_Location",

"timestamp": 0,

"latitude": 0,

"longitude": 0,

"velocity": 0,

"altitude": 0,

"accuracy": 0,

"id": "01b04a1f-687d-4179-9a1d-b6db643e9a64",

"\_creation\_date": "2017-04-09T15:14:34.728+0200",

"\_author": "dennis.lawo@web.de"

},

{

"@rid": "#40:1",

"@version": 1,

"@class": "mobileSensing\_Location",

"timestamp": 0,

"latitude": 0,

"longitude": 0,

"velocity": 0,

"altitude": 0,

"accuracy": 0,

"id": "efbe5aa3-bfd5-4671-b676-301b1699dadb",

"\_creation\_date": "2017-04-09T15:14:34.744+0200",

"\_author": "dennis.lawo@web.de"

},

…

{

"@rid": "#40:264",

"@version": 1,

"@class": "mobileSensing\_Location",

"timestamp": 1572447288,

"latitude": 50.7385,

"longitude": 7.0976915,

"velocity": 0,

"altitude": 0,

"accuracy": 50,

"id": "578cf1eb-a8fe-44db-aa1a-d4fe3293d1ab",

"\_creation\_date": "2017-04-11T18:08:35.349+0200",

"\_author": "dennis.lawo@web.de"

},

{

"@rid": "#40:265",

"@version": 1,

"@class": "mobileSensing\_Location",

"timestamp": 1564580288,

"latitude": 50.738533,

"longitude": 7.097697,

"velocity": 0.5,

"altitude": 0,

"accuracy": 50,

"id": "c96df84e-b1ff-4bc1-8eeb-1810e9d57754",

"\_creation\_date": "2017-04-11T18:08:35.365+0200",

"\_author": "dennis.lawo@web.de"

}

],

"http\_code": 200

}

# Tables

## mobileSensing\_RunningApplication

* Author
* timestamp
* packagename (z.B. com.whatsapp)

## mobileSensing\_Network

* Author
* timestamp
* networktype (z.B.WiFi)

## mobileSensing\_Location

* Author
* timestamp
* latitude
* longitude
* velocity
* altitude
* accuracy

## mobileSensing\_ScreenOn

* Author
* timestamp
* screenOn

## mobileSensing\_Call

* Author
* notificationtype (z.B. VIBRATE)
* timestamp

## mobileSensing\_Activity

* Author
* mode (z.B. SEDENTARY)
* timestamp
* probability (z.B. 63)