# General remarks

* Some service can only be accessed by the App user and the others only by the Web user.
* I replaced some values with {ParameterName} these are variables or contained confidential data.

# GetAccessToken

|  |  |  |
| --- | --- | --- |
|  | /oauth/token/?client\_id={client\_id}&grant\_type={grant\_type}&scope={home.user}&username={WebUserName}&password={WebUserPassword} | |
| **Method** | GET | |
| **Parameters** | client\_id | tado-webapp |
|  | grant\_type | password |
|  | Scope | home.user |
|  | username | WebUserName |
|  | password | WebUserPassword |
| **JSON Result** | {  "access\_token": "{TokenString}",  "token\_type": "bearer",  "refresh\_token": "{GUID}",  "expires\_in": 599,  "scope": "home.user"  } | |

This is optional since you can send the username and password with every request.

# GetDetailWebUser (API Version 1)

|  |  |  |
| --- | --- | --- |
| **URI** | /api/v1/users/{WebUserName}?username={WebUserName}&password={WebUserPassword} | |
| **Method** | GET | |
| **Parameters** | username | {WebUserName} |
|  | password | {WebUserPassword} |
| **JSON Result** | {  "name": "John Doe",  "email": "johndoe@gmail.com",  "username": "{WebUserName}",  "enabled": true,  "homeId": {HomeID},  "locale": "en",  "type": "WEB\_USER"  } | |

# GetDetailsViaMe (API Version 2)

|  |  |  |
| --- | --- | --- |
| **URI** | /api/v2/me?username={WebUserName}&password={WebUserPassword} | |
| **Method** | GET | |
| **Parameters** | username | {WebUserName} |
|  | password | {WebUserPassword} |
| **JSON Result** | {  "name": "John Doe",  "email": "johndoe@gmail.com",  "username": "{WebUserName}",  "homes": [ {  "id": {HomeID},  "name": "{HomeName}"  }],  "locale": "en"  } | |

# GetHomeDetails

|  |  |  |
| --- | --- | --- |
| **URI** | /api/v2/homes/{HomeID}?username={WebUserName}&password={WebUserPassword} | |
| **Method** | GET | |
| **Parameters** | username | {WebUserName} |
|  | password | {WebUserPassword} |
| **JSON Result** | {  "id": {HomeID},  "name": "Home Sweet Home",  "dateTimeZone": "Europe/Amsterdam",  "temperatureUnit": "CELSIUS",  "installationCompleted": true,  "partner": null,  "address": {  "name": "John Doe",  "addressLine1": "John Doe street 215",  "addressLine2": null,  "zipCode": "0000AA",  "city": "Metropolis",  "state": null,  "country": "NLD",  "email": "johndoe@gmail.com",  "phone": +000000000000",  "phone2": null  }  } | |

# GetMobileDevicesForHome

|  |  |  |
| --- | --- | --- |
| **URI** | /api/v2/homes/{homeId}/mobileDevices?username={WebUserName}&password={WebUserPassword} | |
| **Method** | GET | |
| **Parameters** | username | {WebUserName} |
|  | password | {WebUserPassword} |
| **JSON Result** | [  {  "name": "John",  "id": {MobileDeviceID},  "settings": {"geoTrackingEnabled": true},  "location": {  "stale": false,  "atHome": true,  "bearingFromHome": {  "degrees": {Degrees},  "radians": {Radians}  },  "relativeDistanceFromHomeFence": 0  }  },  {  "name": "John’s Tablet",  "id": {MobileDeviceID},  "settings": {"geoTrackingEnabled": false}  },  {  "name": "Homey",  "id": {MobileDeviceID},  "settings": {"geoTrackingEnabled": false}  }  ] | |

# PostMobileDeviceDetails

|  |  |  |
| --- | --- | --- |
| **URI** | /api/v2/homes/{HomeID}/mobileDevices/?password={password}&username={username} | |
| **Method** | POST | |
| **Parameters** | username | {WebUserName} |
|  | password | {WebUserPassword} |
| **JSON Request** | {  "metadata":  {  "device":  {  "locale":"nl",  "model":"Homey",  "osVersion":"0.8.30",  "platform":"Android"  },  "tadoApp":  {  "version":"0.1.1"  }  },  "name":"Homey",  "settings":  {  "geoTrackingEnabled":false or true  }  } | |
| **JSON Result when existing HTTP/1.1 422 Unprocessable Entity** | {"errors": [{  "code": "nameNotUniqueForHome",  "title": "there already is a mobile device with name 'Homey' in home Home:35862"  }]} | |
| **JSON Result when new**  **geoTrack=false** | {  "name": "New Homey",  "id": {NewMobileDeviceID},  "settings": {"geoTrackingEnabled": false}  } | |
| **JSON Result when new**  **geoTrack=false** | {  "name": "New Homey",  "id": {NewMobileDeviceID},  "settings": {"geoTrackingEnabled": true}  "location": null  } | |

# CreateLegacyMobileCredentials

|  |  |  |
| --- | --- | --- |
| **URI** | /api/v2/homes/{HomeID}/mobileDevices/{MobileDeviceID}/legacyAuthCredentials/?password={WebUserPassword}&username={WebUserName} | |
| **Method** | POST | |
| **Parameters** | username | {WebUserName} |
|  | password | {WebUserPassword} |
| **JSON Request** | {  "metadata":  {  "device":  {  "locale":"nl",  "model":"Homey",  "osVersion":"0.8.30",  "platform":"Android"  },  "tadoApp":  {  "version":"0.1.1"  }  },  "name":"Homey Test",  "settings":  {  "geoTrackingEnabled":true  }  } | |
| **JSON Result** | {  "username": "{HomeID}\_{CleanName}",  "password": "Y2FmYWNhOTEtOWQyYi00NDA2LWEyZDMtNWEzZTQ2ZWEzNDU0"  } | |

* CleanName: No spaces, lower case (Homey Test -> homeytest).
* When the request “7. PostMobileDeviceDetails” returns with error 422 you can use this service to claim that device details. Once you logon with the same device via another tablet/phone the app will ask you to claim it for that device.

# ChangeGeoTracking

|  |  |  |
| --- | --- | --- |
| **URI** | /api/v2/homes/{HomeID}/mobileDevices/{MobileDeviceID}/settings?username={AppUserName}&password={AppUserPassword} | |
| **Method** | * PUT: Changes the geoTrackingEnabled value * GET: Retrieves the geoTrackingEnabled value | |
| **Parameters** | username | {AppUserName} |
|  | password | {AppUserPassword} |
| **JSON Request** | {  "geoTrackingEnabled":false  } | |
| **JSON Result** | {"geoTrackingEnabled": false} | |

# GetZones

|  |  |  |
| --- | --- | --- |
| **URI** | /api/v2/homes/{HomeID}/zones?username={AppUserName}&password={AppUserPassword} | |
| **Method** | GET | |
| **Parameters** | username | {AppUserName} |
|  | password | {AppUserPassword} |
| **JSON Result** | [  {  "id": 0,  "name": "Hot Water",  "type": "HOT\_WATER",  "deviceTypes": ["RU01"]  },  {  "id": 1,  "name": "Heating",  "type": "HEATING",  "deviceTypes": ["RU01"]  }  ] | |

# GetWeather

|  |  |  |
| --- | --- | --- |
| **URI** | /api/v2/homes/{HomeID}/weather?username={AppUserName}&password={AppUserPassword} | |
| **Method** | GET | |
| **Parameters** | username | {AppUserName} |
|  | password | {AppUserPassword} |
| **JSON Result** | {  "solarIntensity": {  "type": "PERCENTAGE",  "percentage": 7.68,  "timestamp": "2016-04-25T17:22:53.988Z"  },  "outsideTemperature": {  "celsius": 6.08,  "fahrenheit": 42.94,  "timestamp": "2016-04-25T17:22:53.988Z",  "type": "TEMPERATURE"  },  "weatherState": {  "type": "WEATHER\_STATE",  "value": "SCATTERED\_RAIN",  "timestamp": "2016-04-25T17:22:53.988Z"  }  } | |

# GetZoneCapabilities

|  |  |  |
| --- | --- | --- |
| **URI** | /api/v2/homes/{HomeID}/zones/{ZoneID}/capabilities?username={AppUserName}&password={AppUserPassword} | |
| **Method** | GET | |
| **Parameters** | username | {AppUserName} |
|  | password | {AppUserPassword} |
| **JSON Result** | {  "type": "HOT\_WATER",  "canSetTemperature": true,  "temperatures": {  "celsius": {  "min": 30,  "max": 70,  "step": 1  },  "fahrenheit": {  "min": 86,  "max": 158,  "step": 1  }  }  } | |
|  | {  "type": "HEATING",  "temperatures": {  "celsius": {  "min": 5,  "max": 25,  "step": 0.1  },  "fahrenheit": {  "min": 41,  "max": 77,  "step": 0.1  }  }  } | |

# GetZoneState

|  |  |  |
| --- | --- | --- |
| **URI** | /api/v2/homes/{HomeID}/zones/{ZoneID}/state?username={AppUserName}&password={AppUserPassword} | |
| **Method** | GET | |
| **Parameters** | username | {AppUserName} |
|  | password | {AppUserPassword} |
| **JSON Result Hot water** | {  "tadoMode": "HOME",  "geolocationOverride": false,  "geolocationOverrideDisableTime": null,  "preparation": null,  "setting": {  "type": "HOT\_WATER",  "power": "ON",  "temperature": {  "celsius": 60,  "fahrenheit": 140  }  },  "overlayType": null,  "overlay": null,  "link": {"state": "ONLINE"},  "activityDataPoints": {},  "sensorDataPoints": {}  } | |
| **Heating** | {  "tadoMode": "HOME",  "geolocationOverride": false,  "geolocationOverrideDisableTime": null,  "preparation": null,  "setting": {  "type": "HEATING",  "power": "ON",  "temperature": {  "celsius": 20,  "fahrenheit": 68  }  },  "overlayType": null,  "overlay": null,  "link": {"state": "ONLINE"},  "activityDataPoints": {"heatingPower": {  "type": "PERCENTAGE",  "percentage": 100,  "timestamp": "2016-04-25T17:40:05.175Z"  }},  "sensorDataPoints": {  "insideTemperature": {  "celsius": 19.88,  "fahrenheit": 67.78,  "timestamp": "2016-04-25T17:40:05.175Z",  "type": "TEMPERATURE"  },  "humidity": {  "type": "PERCENTAGE",  "percentage": 37,  "timestamp": "2016-04-25T17:40:05.175Z"  }  }  } | |

* The overlayType is set by service [SetHeatingMode](#_SetHeatingMode)
* Notice the humidity sensor

# GetZoneMobileDevices

|  |  |  |
| --- | --- | --- |
| **URI** | /api/v2/homes/{HomeID}/zones/{ZoneID}/mobileDevices?username={AppUserName}&password={AppUserPassword} | |
| **Method** | GET | |
| **Parameters** | username | {AppUserName} |
|  | password | {AppUserPassword} |
| **JSON Result** | [  {  "name": "John’s Phone",  "id": 123456,  "settings": {"geoTrackingEnabled": true},  "location": {  "stale": false,  "atHome": true,  "bearingFromHome": {  "degrees": {Degrees},  "radians": {Radians}  },  "relativeDistanceFromHomeFence": 0  }  },  {  "name": "John’s Tablet",  "id": 123456,  "settings": {"geoTrackingEnabled": false}  },  {  "name": "John’s Homey",  "id": 123456,  "settings": {"geoTrackingEnabled": false}  }  ] | |

* No matter what ZoneID I requested the result was the same also for non-existing ZoneID’s. The app even called this service with -1 and using the Web user credentials.

# GetCoolingControl

|  |  |  |
| --- | --- | --- |
| **URI** | /api/v1/home/{HomeID}/coolingControl?username={WebUserName}&password={WebUserPassword} | |
| **Method** | GET | |
| **Parameters** | username | {WebUserName} |
|  | password | {WebUserPassword} |
| **JSON Result** | {"errors": [{  "code": "noCoolingInstallation",  "title": "home Home:{HomeID} has no cooling installed"  }]} | |

* I do not have an air conditioning to test with.

# SetHeatingMode

|  |  |  |
| --- | --- | --- |
| **URI** | /api/v2/homes/{HomeID}/zones/{ZoneID}/overlay?username={WebUserName}&password={WebUserPassword} | |
| **Method** | DELETE Return to auto mode  PUT Set the TADO, Timer or Manual mode (See JSON examples below) | |
| **Parameters** | username | {WebUserName} |
|  | password | {WebUserPassword} |
| **JSON Request TADO mode: Is ended when mode is changed by the schedule or after the last person leaves home** | {  "setting":{  "power":"ON",  "temperature":{  "celsius":21.000000,  "fahrenheit":0.0  },  "type":"HEATING"  },  "termination":{  "type":"TADO\_MODE"  }  } | |
| **JSON Result TADO Mode** | {  "type": "MANUAL",  "setting": {  "type": "HEATING",  "power": "ON",  "temperature": {  "celsius": 21,  "fahrenheit": 69.8  }  },  "termination": {  "type": "TADO\_MODE",  "projectedExpiry": "2016-04-26T20:00:00Z"  }  } | |
| **JSON Request Timer mode** | {  "setting": {  "power": "ON",  "temperature": {  "celsius": 21,  "fahrenheit": 69.8  },  "type": "HEATING"  },  "termination": {  "durationInSeconds": 4980,  "type": "TIMER"  }  } | |
| **JSON Result Timer mode** | {  "type": "MANUAL",  "setting": {  "type": "HEATING",  "power": "ON",  "temperature": {  "celsius": 21,  "fahrenheit": 69.8  }  },  "termination": {  "type": "TIMER",  "durationInSeconds": 120,  "expiry": "2016-04-26T19:12:11Z",  "remainingTimeInSeconds": 119,  "projectedExpiry": "2016-04-26T19:12:11Z"  }  } | |
| **JSON Request Manual mode** | {  "setting": {  "power": "ON",  "temperature": {  "celsius": 21.0,  "fahrenheit": 69.8  },  "type": "HEATING"  },  "termination": {  "durationInSeconds": 4972,  "type": "MANUAL"  }  } | |
| **JSON Result Manual mode** | {  "type": "MANUAL",  "setting": {  "type": "HEATING",  "power": "ON",  "temperature": {  "celsius": 21,  "fahrenheit": 69.8  }  },  "termination": {  "type": "MANUAL",  "projectedExpiry": null  }  } | |