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| SE2 Projekt MRT |
| API Documentation |
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# Dokumentinformationen

## Änderungsgeschichte

|  |  |  |  |
| --- | --- | --- | --- |
| Datum | Version | Änderung | Autor |
| 10.05.2011 | 1.0 | Erste Version des Dokuments | SD |

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# sEinleitung

## Zweck

Dieses Dokument beschreibt das Externe Design für das Projekt MRT (Mobile Reporting Tool). Es erläutert wie das äussere Erscheinungsbild des Systems und wie dieses mit dem Nutzer interagiert. Das Dokument bezieht sich auf die Sicht des Nutzers.

## Gültigkeitsbereich

Dieses Dokument ist während der gesamten Projektdauer gültig (21.02 bis 03.06.2011).

## Definitionen und Abkürzungen

Die Definitionen und Abkürzungen befinden sich in der ausgelagerten Datei doc/01\_Projektplan/glossar.docx.

## Referenzen

# API Documentation

## Login

Um mit dem System interagieren zu können, bedarf e seines Authentication-Cookies, das man mit einem JSON Request auf /users/sign\_in.json erhält.

### Request

|  |  |
| --- | --- |
| Header | Wert |
| Method | POST |
| Content Type | application/json |
| URI | /users/sign\_in.json |
| Protocol | HTTP/1.1 |

|  |  |  |
| --- | --- | --- |
| Parameter | Beschreibung | Beispielwert |
| User | Das User Object mit den benötigten Attributen | { } (Hash) |
| User.email | Emailadresse des einzuloggenden Subjekts | [Field\_worker@mrt.ch](mailto:Field_worker@mrt.ch) |
| User.password | Passwort des einzuloggenden Subjekts (Cleartext) | „mrt“ |
| User.remember\_me | Soll der Benutzername gespeichert werden? | 1 |

#### Beispiel (HTTP)

POST /users/sign\_in.json HTTP/1.1Content-Type: application/jsonContent-Length: 75Host: mrt.elmermx.chConnection: Keep-Alive

{"user":{"password":"mrt","email":"field\_Worker@mrt.ch","remember\_me":"1"}}

### Response

|  |  |
| --- | --- |
| Header | Wert |
| Status | 200 |
| Content Type | application/json |
| Charset | UTF-8 |
| Protocol | HTTP/1.1 |

|  |  |  |
| --- | --- | --- |
| Parameter | Beschreibung | Beispielwert |
| Field\_worker | Der Typ des eingeloggten Subjektes | { } (Hash) |
| Field\_worker.created\_at | Erstellungsdatum des eingeloggten Subjektes | 2011-05-10T15:45:46+02:00 |
| Field\_worker.updated\_at | Letze Änderung des eingeloggten Subjektes | 2011-05-10T15:45:46+02:00 |
| Field\_worker.id | ID des eingeloggten Subjektes auf dem Server | 2 |
| Field\_worker.last\_name | Nachname des eingeloggten Subjektes | Worker |
| Field\_worker.first\_name | Vorname des eingeloggten Subjektes | Fredi |
| Field\_worker.phone | Telefonnummer des eingeloggten Subjektes | 044 210 111 11 11 |
| Field\_worker.remember\_created\_at | Erstellungsdatum der letzten Session | 2011-05-10T15:45:46+02:00 |
| Field\_worker.email | Emailadresse des eingeloggten Subjektes | Field\_worker@mrt.ch |

#### Beispiel (HTTP)

HTTP/1.1 200 OKDate: Thu, 12 May 2011 13:43:05 GMTServer: ApacheX-Powered-By: Phusion Passenger (mod\_rails/mod\_rack) 2.2.15ETag: "0736a29c31ffc1b236b21ea3f535e547"X-UA-Compatible: IE=Edge,chrome=1X-Runtime: 0.082116Cache-Control: max-age=0, private, must-revalidateSet-Cookie: remember\_user\_token=BAhbB1sGaQciIiQyYSQxMCRhZkxtSDU0dEN3U1E3MUZ6WC5iL3Mu--1f1edff405704f9c47c641f85f7788d26d475679; path=/; expires=Tue, 24-May-2011 14:51:53 GMT; HttpOnly

Set-Cookie: \_mrt\_session=BAh7ByIPc2Vzc2lvbl9pZCIlYTZiNmI3NThjMzVhMTU0MzA4ZDkxNWY4NmExZmEwZWYiGXdhcmRlbi51c2VyLnVzZXIua2V5WwgiEEZpZWxkV29ya2VyWwZpByIiJDJhJDEwJGFmTG1INTR0Q3dTUTcxRnpYLmIvcy4%3D--bfe5c2bcbe9b59b3b389f36584277ef8b2974054; path=/; HttpOnly

Status: 200Keep-Alive: timeout=15, max=150Connection: Keep-AliveTransfer-Encoding: chunkedContent-Type: application/json; charset=utf-8

f2

{"field\_worker":{"created\_at":"2011-05-10T15:45:46+02:00","updated\_at":"2011-05-10T16:51:53+02:00","id":2,"last\_name":"Worker","phone":null,"remember\_created\_at":"2011-05-10T16:51:53+02:00","email":"field\_worker@mrt.ch","first\_name":"Fredi"}}

0

## Synchronize Customers

POST /customers/synchronize.json HTTP/1.1

Content-Type: application/json

cookie: remember\_user\_token=BAhbB1sGaQciIiQyYSQxMCRhZkxtSDU0dEN3U1E3MUZ6WC5iL3Mu--1f1edff405704f9c47c641f85f7788d26d475679; path=/; expires=Tue, 24-May-2011 14:51:53 GMT; HttpOnly

Content-Length: 46

Host: mrt.elmermx.ch

Connection: Keep-Alive

{"last\_update":"1970-01-01T01:00:00GMT+01:00"}HTTP/1.1 200 OK

Date: Thu, 12 May 2011 13:43:11 GMT

Server: Apache

X-Powered-By: Phusion Passenger (mod\_rails/mod\_rack) 2.2.15

ETag: "9eeca918e7558c58d19b642f0c1828fa"

X-UA-Compatible: IE=Edge,chrome=1

X-Runtime: 0.169414

Cache-Control: max-age=0, private, must-revalidate

Set-Cookie: remember\_user\_token=BAhbB1sGaQciIiQyYSQxMCRhZkxtSDU0dEN3U1E3MUZ6WC5iL3Mu--1f1edff405704f9c47c641f85f7788d26d475679; path=/; expires=Tue, 24-May-2011 14:51:53 GMT; HttpOnly

Set-Cookie: \_mrt\_session=BAh7ByIPc2Vzc2lvbl9pZCIlMjZhMTgzOTJjYzcxZWRmNjdiOTk2NGNlZTcwYzFkZjIiGXdhcmRlbi51c2VyLnVzZXIua2V5WwgiEEZpZWxkV29ya2VyWwZpByIiJDJhJDEwJGFmTG1INTR0Q3dTUTcxRnpYLmIvcy4%3D--12c3a9000436874138557b7dd11e48ceaea1cb81; path=/; HttpOnly

Status: 200

Keep-Alive: timeout=15, max=150

Connection: Keep-Alive

Transfer-Encoding: chunked

Content-Type: application/json; charset=utf-8

1f40

[{"customer":{"address":{"line1":"Hungerbergstr. 1","zip":8046,"line2":null,"created\_at":"2011-05-10T15:45:49+02:00","line3":null,"updated\_at":"2011-05-10T15:46:00+02:00","id":1,"gps\_position\_id":35,"place":"Z\u00fcrich","gps\_position":{"created\_at":"2011-05-10T15:46:00+02:00","latitude":"47.4206532","updated\_at":"2011-05-10T15:46:00+02:00","id":35,"longitude":"8.501602"}},"created\_at":"2011-05-10T15:45:53+02:00","deleted\_at":null,"updated\_at":"2011-05-10T15:45:53+02:00","id":1,"address\_id":1,"last\_name":"Lamprecht","phone":"0683093560","first\_name":"Waldemar"}},{"customer":{"address":{"line1":"Oberseestrasse 10","zip":8640,"line2":null,"created\_at":"2011-05-10T15:45:49+02:00","line3":null,"updated\_at":"2011-05-10T15:45:59+02:00","id":2,"gps\_position\_id":30,"place":"Rapperswil","gps\_position":{"created\_at":"2011-05-10T15:45:59+02:00","latitude":"47.2230647","updated\_at":"2011-05-10T15:45:59+02:00","id":30,"longitude":"8.8165114"}},"created\_at":"2011-05-10T15:45:53+02:00","deleted\_at":null,"updated\_at":"2011-05-10T15:45:53+02:00","id":2,"address\_id":2,"last\_name":"Traugott","phone":"0801734705","first\_name":"Otto"}},{"customer":{"address":{"line1":"Oberseestrasse 10","zip":8640,"line2":null,"created\_at":"2011-05-10T15:45:49+02:00","line3":null,"updated\_at":"2011-05-10T15:45:59+02:00","id":2,"gps\_position\_id":30,"place":"Rapperswil","gps\_position":{"created\_at":"2011-05-10T15:45:59+02:00","latitude":"47.2230647","updated\_at":"2011-05-10T15:45:59+02:00","id":30,"longitude":"8.8165114"}},"created\_at":"2011-05-10T15:45:53+02:00","deleted\_at":null,"updated\_at":"2011-05-10T15:45:53+02:00","id":3,"address\_id":2,"last\_name":"Elmo","phone":"0270596436","first\_name":"Hermann"}},{"customer":{"address":{"line1":"Hungerbergstr. 1","zip":8046,"line2":null,"created\_at":"2011-05-10T15:45:49+02:00","line3":null,"updated\_at":"2011-05-10T15:46:00+02:00","id":1,"gps\_position\_id":35,"place":"Z\u00fcrich","gps\_position":{"created\_at":"2011-05-10T15:46:00+02:00","latitude":"47.4206532","updated\_at":"2011-05-10T15:46:00+02:00","id":35,"longitude":"8.501602"}},"created\_at":"2011-05-10T15:45:54+02:00","deleted\_at":null,"updated\_at":"2011-05-10T15:45:54+02:00","id":4,"address\_id":1,"last\_name":"Ingolf","phone":"0983088747","first\_name":"Veit"}},{"customer":{"address":{"line1":"Oberseestrasse 10","zip":8640,"line2":null,"created\_at":"2011-05-10T15:45:49+02:00","line3":null,"updated\_at":"2011-05-10T15:45:59+02:00","id":2,"gps\_position\_id":30,"place":"Rapperswil","gps\_position":{"created\_at":"2011-05-10T15:45:59+02:00","latitude":"47.2230647","updated\_at":"2011-05-10T15:45:59+02:00","id":30,"longitude":"8.8165114"}},"created\_at":"2011-05-10T15:45:54+02:00","deleted\_at":null,"updated\_at":"2011-05-10T15:45:54+02:00","id":5,"address\_id":2,"last\_name":"Simon","phone":"0582854582","first\_name":"Bj\u00f6rn"}},{"customer":{"address":{"line1":"Oberseestrasse 10","zip":8640,"line2":null,"created\_at":"2011-05-10T15:45:49+02:00","line3":null,"updated\_at":"2011-05-10T15:45:59+02:00","id":2,"gps\_position\_id":30,"place":"Rapperswil","gps\_position":{"created\_at":"2011-05-10T15:45:59+02:00","latitude":"47.2230647","updated\_at":"2011-05-10T15:45:59+02:00","id":30,"longitude":"8.8165114"}},"created\_at":"2011-05-10T15:45:54+02:00","deleted\_at":null,"updated\_at":"2011-05-10T15:45:54+02:00","id":6,"address\_id":2,"last\_name":"Dietfried","phone":"0929727191","first\_name":"Klaus"}},{"customer":{"address":{"line1":"Hungerbergstr. 100","zip":8046,"line2":null,"created\_at":"2011-05-10T15:45:50+02:00","line3":null,"updated\_at":"2011-05-10T15:45:55+02:00","id":5,"gps\_position\_id":15,"place":"Z\u00fcrich","gps\_position":{"created\_at":"2011-05-10T15:45:55+02:00","latitude":"47.4188677","updated\_at":"2011-05-10T15:45:55+02:00","id":15,"longitude":"8.4978201"}},"created\_at":"2011-05-10T15:45:55+02:00","deleted\_at":null,"updated\_at":"2011-05-10T15:45:55+02:00","id":7,"address\_id":5,"last\_name":"Wieland","phone":"0306619056","first\_name":"Gotthilf"}},{"customer":{"address":{"line1":"Hungerbergstr. 1","zip":8046,"line2":null,"created\_at":"2011-05-10T15:45:49+02:00","line3":null,"updated\_at":"2011-05-10T15:46:00+02:00","id":1,"gps\_position\_id":35,"place":"Z\u00fcrich","gps\_position":{"created\_at":"2011-05-10T15:46:00+02:00","latitude":"47.4206532","updated\_at":"2011-05-10T15:46:00+02:00","id":35,"longitude":"8.501602"}},"created\_at":"2011-05-10T15:45:55+02:00","deleted\_at":null,"updated\_at":"2011-05-10T15:45:55+02:00","id":8,"address\_id":1,"last\_name":"Gretchen","phone":"0974978822","first\_name":"June"}},{"customer":{"address":{"line1":"Oberseestrasse 11","zip":8640,"line2":null,"created\_at":"2011-05-10T15:45:50+02:00","line3":null,"updated\_at":"2011-05-10T15:46:00+02:00","id":6,"gps\_position\_id":38,"place":"Rapperswil","gps\_position":{"created\_at":"2011-05-10T15:46:00+02:00","latitude":"47.2239867","updated\_at":"2011-05-10T15:46:00+02:00","id":38,"longitude":"8.8185103"}},"created\_at":"2011-05-10T15:45:56+02:00","deleted\_at":null,"updated\_at":"2011-05-10T15:45:56+02:00","id":10,"address\_id":6,"last\_name":"Dione","phone":"0992685476","first\_name":"Tarah"}},{"customer":{"address":{"line1":"Hungerbergstr. 4","zip":8046,"line2":null,"created\_at":"2011-05-10T15:45:49+02:00","line3":null,"updated\_at":"2011-05-10T15:46:00+02:00","id":4,"gps\_position\_id":36,"place":"Z\u00fcrich","gps\_position":{"created\_at":"2011-05-10T15:46:00+02:00","latitude":"47.4205117","updated\_at":"2011-05-10T15:46:00+02:00","id":36,"longitude":"8.5014726"}},"created\_at":"2011-05-10T15:45:56+02:00","deleted\_at":null,"updated\_at":"2011-05-10T15:45:56+02:00","id":11,"address\_id":4,"last\_name":"Xavia","phone":"0376205814","first\_name":"Angelica"}},{"customer":{"address":{"line1":"Bundesgasse 1","zip":3005,"line2":null,"created\_at":"2011-05-10T15:45:53+02:00","line3":null,"updated\_at":"2011-05-10T15:46:00+02:00","id":7,"gps\_position\_id":37,"place":"Bern","gps\_position":{"created\_at":"2011-05-10T15:46:00+02:00","latitude":"46.9463063","updated\_at":"2011-05-10T15:46:00+02:00","id":37,"longitude":"7.4430064"}},"created\_at":"2011-05-10T15:45:56+02:00","deleted\_at":null,"updated\_at":"2011-05-10T15:45:56+02:00","id":12,"address\_id":7,"last\_name":"Catbroom","phone":"0305586297","first\_name":"Demontongue"}},{"customer":{"address":{"line1":"Hungerbergstr. 4","zip":8046,"line2":null,"created\_at":"2011-05-10T15:45:49+02:00","line3":null,"updated\_at":"2011-05-10T15:46:00+02:00","id":4,"gps\_position\_id":36,"place":"Z\u00fcrich","gps\_position":{"created\_at":"2011-05-10T15:46:00+02:00","latitude":"47.4205117","updated\_at":"2011-05-10T15:46:00+02:00","id":36,"longitude":"8.5014726"}},"created\_at":"2011-05-10T15:45:58+02:00","deleted\_at":null,"updated\_at":"2011-05-10T15:45:58+02:00","id":19,"address\_id":4,"last\_name":"Rocco","phone":"0310883865","first\_name":"Rochus"}},{"customer":{"address":{"line1":"Hungerbergstr. 4","zip":8046,"line2":null,"created\_at":"2011-05-10T15:45:49+02:00","line3":null,"updated\_at":"2011-05-10T15:46:00+02:00","id":4,"gps\_position\_id":36,"place":"Z\u00fcrich","gps\_position":{"created\_at":"2011-05-10T15:46:00+02:00","latitude":"47.4205117","updated\_at":"2011-05-10T15:46:00+02:00","id":36,"longitude":"8.5014726"}},"created\_at":"2011-05-10T15:45:58+02:00","deleted\_at":null,"updated\_at":"2011-05-10T15:45:58+02:00","id":20,"address\_id":4,"last\_name":"Felicianus","phone":"0473136760","first\_name":"Eirene"}},{"customer":{"address":{"line1":"Bundesgasse 3","zip":3005,"line2":null,"created\_at":"2011-05-10T15:45:49+02:00","line3":null,"updated\_at":"2011-05-10T15:45:59+02:00","id":3,"gps\_position\_id":34,"place":"Bern","gps\_position":{"created\_at":"2011-05-10T15:45:59+02:00","latitude":"46.9462074","updated\_at":"2011-05-10T15:45:59+02:00","id":34,"longitude":"7.4415879"}},"created\_at":"2011-05-10T15:45:58+02:00","deleted\_at":null,"updated\_at":"2011-05-10T15:45:58+02:00","id":21,"address\_id":3,"last\_name":"Amantius","phone":"0650739173","first\_name":"Hrodger"}},{"customer":{"address":{"line1":"Oberseestrasse 10","zip":8640,"line2":null,"created\_at":"2011-0

1a0b

5-10T15:45:49+02:00","line3":null,"updated\_at":"2011-05-10T15:45:59+02:00","id":2,"gps\_position\_id":30,"place":"Rapperswil","gps\_position":{"created\_at":"2011-05-10T15:45:59+02:00","latitude":"47.2230647","updated\_at":"2011-05-10T15:45:59+02:00","id":30,"longitude":"8.8165114"}},"created\_at":"2011-05-10T15:45:59+02:00","deleted\_at":null,"updated\_at":"2011-05-10T15:45:59+02:00","id":22,"address\_id":2,"last\_name":"L\u00f3egaire","phone":"0931785773","first\_name":"Sigimund"}},{"customer":{"address":{"line1":"Oberseestrasse 11","zip":8640,"line2":null,"created\_at":"2011-05-10T15:45:50+02:00","line3":null,"updated\_at":"2011-05-10T15:46:00+02:00","id":6,"gps\_position\_id":38,"place":"Rapperswil","gps\_position":{"created\_at":"2011-05-10T15:46:00+02:00","latitude":"47.2239867","updated\_at":"2011-05-10T15:46:00+02:00","id":38,"longitude":"8.8185103"}},"created\_at":"2011-05-10T15:45:59+02:00","deleted\_at":null,"updated\_at":"2011-05-10T15:45:59+02:00","id":23,"address\_id":6,"last\_name":"Ramessu","phone":"0227156019","first\_name":"Fri\u00f0\u00fej\u00f3fr"}},{"customer":{"address":{"line1":"Bundesgasse 3","zip":3005,"line2":null,"created\_at":"2011-05-10T15:45:49+02:00","line3":null,"updated\_at":"2011-05-10T15:45:59+02:00","id":3,"gps\_position\_id":34,"place":"Bern","gps\_position":{"created\_at":"2011-05-10T15:45:59+02:00","latitude":"46.9462074","updated\_at":"2011-05-10T15:45:59+02:00","id":34,"longitude":"7.4415879"}},"created\_at":"2011-05-10T15:45:59+02:00","deleted\_at":null,"updated\_at":"2011-05-10T15:45:59+02:00","id":24,"address\_id":3,"last\_name":"Philander","phone":"0471609010","first\_name":"Yima"}},{"customer":{"address":{"line1":"Hungerbergstr. 40","zip":8046,"line2":null,"created\_at":"2011-05-10T15:45:53+02:00","line3":null,"updated\_at":"2011-05-10T15:45:59+02:00","id":8,"gps\_position\_id":33,"place":"Z\u00fcrich","gps\_position":{"created\_at":"2011-05-10T15:45:59+02:00","latitude":"47.4190766","updated\_at":"2011-05-10T15:45:59+02:00","id":33,"longitude":"8.4984558"}},"created\_at":"2011-05-10T15:45:59+02:00","deleted\_at":null,"updated\_at":"2011-05-10T15:45:59+02:00","id":25,"address\_id":8,"last\_name":"Prabhu","phone":"0559175840","first\_name":"Enlil"}},{"customer":{"address":{"line1":"Bundesgasse 3","zip":3005,"line2":null,"created\_at":"2011-05-10T15:45:49+02:00","line3":null,"updated\_at":"2011-05-10T15:45:59+02:00","id":3,"gps\_position\_id":34,"place":"Bern","gps\_position":{"created\_at":"2011-05-10T15:45:59+02:00","latitude":"46.9462074","updated\_at":"2011-05-10T15:45:59+02:00","id":34,"longitude":"7.4415879"}},"created\_at":"2011-05-10T15:45:59+02:00","deleted\_at":null,"updated\_at":"2011-05-10T15:45:59+02:00","id":26,"address\_id":3,"last\_name":"Iovis","phone":"0316062347","first\_name":"Owain"}},{"customer":{"address":{"line1":"Hungerbergstr. 1","zip":8046,"line2":null,"created\_at":"2011-05-10T15:45:49+02:00","line3":null,"updated\_at":"2011-05-10T15:46:00+02:00","id":1,"gps\_position\_id":35,"place":"Z\u00fcrich","gps\_position":{"created\_at":"2011-05-10T15:46:00+02:00","latitude":"47.4206532","updated\_at":"2011-05-10T15:46:00+02:00","id":35,"longitude":"8.501602"}},"created\_at":"2011-05-10T15:46:00+02:00","deleted\_at":null,"updated\_at":"2011-05-10T15:46:00+02:00","id":27,"address\_id":1,"last\_name":"Cronus","phone":"0907891242","first\_name":"T\u00fdr"}},{"customer":{"address":{"line1":"Hungerbergstr. 4","zip":8046,"line2":null,"created\_at":"2011-05-10T15:45:49+02:00","line3":null,"updated\_at":"2011-05-10T15:46:00+02:00","id":4,"gps\_position\_id":36,"place":"Z\u00fcrich","gps\_position":{"created\_at":"2011-05-10T15:46:00+02:00","latitude":"47.4205117","updated\_at":"2011-05-10T15:46:00+02:00","id":36,"longitude":"8.5014726"}},"created\_at":"2011-05-10T15:46:00+02:00","deleted\_at":null,"updated\_at":"2011-05-10T15:46:00+02:00","id":28,"address\_id":4,"last\_name":"Pramoda","phone":"0548466385","first\_name":"Partha"}},{"customer":{"address":{"line1":"Bundesgasse 1","zip":3005,"line2":null,"created\_at":"2011-05-10T15:45:53+02:00","line3":null,"updated\_at":"2011-05-10T15:46:00+02:00","id":7,"gps\_position\_id":37,"place":"Bern","gps\_position":{"created\_at":"2011-05-10T15:46:00+02:00","latitude":"46.9463063","updated\_at":"2011-05-10T15:46:00+02:00","id":37,"longitude":"7.4430064"}},"created\_at":"2011-05-10T15:46:00+02:00","deleted\_at":null,"updated\_at":"2011-05-10T15:46:00+02:00","id":29,"address\_id":7,"last\_name":"Jarl","phone":"0347152560","first\_name":"Gawain"}},{"customer":{"address":{"line1":"Oberseestrasse 11","zip":8640,"line2":null,"created\_at":"2011-05-10T15:45:50+02:00","line3":null,"updated\_at":"2011-05-10T15:46:00+02:00","id":6,"gps\_position\_id":38,"place":"Rapperswil","gps\_position":{"created\_at":"2011-05-10T15:46:00+02:00","latitude":"47.2239867","updated\_at":"2011-05-10T15:46:00+02:00","id":38,"longitude":"8.8185103"}},"created\_at":"2011-05-10T15:46:00+02:00","deleted\_at":null,"updated\_at":"2011-05-10T15:46:00+02:00","id":30,"address\_id":6,"last\_name":"Amulius","phone":"0170945691","first\_name":"Cupid"}},{"customer":{"address":{"line1":"Hungerbergstr. 1","zip":8046,"line2":null,"created\_at":"2011-05-10T15:45:49+02:00","line3":null,"updated\_at":"2011-05-10T15:46:00+02:00","id":1,"gps\_position\_id":35,"place":"Z\u00fcrich","gps\_position":{"created\_at":"2011-05-10T15:46:00+02:00","latitude":"47.4206532","updated\_at":"2011-05-10T15:46:00+02:00","id":35,"longitude":"8.501602"}},"created\_at":"2011-05-11T11:31:35+02:00","deleted\_at":null,"updated\_at":"2011-05-11T11:31:35+02:00","id":31,"address\_id":1,"last\_name":"das Brot","phone":"","first\_name":"Bernd"}},{"customer":{"address":{"line1":"Hungerbergstr. 1","zip":8046,"line2":null,"created\_at":"2011-05-10T15:45:49+02:00","line3":null,"updated\_at":"2011-05-10T15:46:00+02:00","id":1,"gps\_position\_id":35,"place":"Z\u00fcrich","gps\_position":{"created\_at":"2011-05-10T15:46:00+02:00","latitude":"47.4206532","updated\_at":"2011-05-10T15:46:00+02:00","id":35,"longitude":"8.501602"}},"created\_at":"2011-05-12T12:51:35+02:00","deleted\_at":null,"updated\_at":"2011-05-12T12:51:35+02:00","id":32,"address\_id":1,"last\_name":"Steiner","phone":"1793084273","first\_name":"Digi"}},{"customer":{"address":{"line1":"Hungerbergstr. 100","zip":8046,"line2":null,"created\_at":"2011-05-10T15:45:50+02:00","line3":null,"updated\_at":"2011-05-10T15:45:55+02:00","id":5,"gps\_position\_id":15,"place":"Z\u00fcrich","gps\_position":{"created\_at":"2011-05-10T15:45:55+02:00","latitude":"47.4188677","updated\_at":"2011-05-10T15:45:55+02:00","id":15,"longitude":"8.4978201"}},"created\_at":"2011-05-12T13:09:00+02:00","deleted\_at":null,"updated\_at":"2011-05-12T13:09:00+02:00","id":34,"address\_id":5,"last\_name":"Aaronson","phone":"1","first\_name":"Waldtraut"}}]

0

## Synchronize TimeEntryTypes

POST /time\_entry\_types/synchronize.json HTTP/1.1

Content-Type: application/json

cookie: remember\_user\_token=BAhbB1sGaQciIiQyYSQxMCRhZkxtSDU0dEN3U1E3MUZ6WC5iL3Mu--1f1edff405704f9c47c641f85f7788d26d475679; path=/; expires=Tue, 24-May-2011 14:51:53 GMT; HttpOnly

Content-Length: 46

Host: mrt.elmermx.ch

Connection: Keep-Alive

{"last\_update":"1970-01-01T01:00:00GMT+01:00"}HTTP/1.1 200 OK

Date: Thu, 12 May 2011 13:43:13 GMT

Server: Apache

X-Powered-By: Phusion Passenger (mod\_rails/mod\_rack) 2.2.15

ETag: "2a7f5e4ebe04e4c6f54298937ed888bd"

X-UA-Compatible: IE=Edge,chrome=1

X-Runtime: 0.014304

Cache-Control: max-age=0, private, must-revalidate

Set-Cookie: remember\_user\_token=BAhbB1sGaQciIiQyYSQxMCRhZkxtSDU0dEN3U1E3MUZ6WC5iL3Mu--1f1edff405704f9c47c641f85f7788d26d475679; path=/; expires=Tue, 24-May-2011 14:51:53 GMT; HttpOnly

Set-Cookie: \_mrt\_session=BAh7ByIPc2Vzc2lvbl9pZCIlZDYxMDI2ZjcxODU1NTI1ZWFiMDA3NmE3MjFlY2Y3MDgiGXdhcmRlbi51c2VyLnVzZXIua2V5WwgiEEZpZWxkV29ya2VyWwZpByIiJDJhJDEwJGFmTG1INTR0Q3dTUTcxRnpYLmIvcy4%3D--2c1c30b03a3ab592d52908a6de428f28113bd864; path=/; HttpOnly

Status: 200

Keep-Alive: timeout=15, max=150

Connection: Keep-Alive

Transfer-Encoding: chunked

Content-Type: application/json; charset=utf-8

2fc

[{"time\_entry\_type":{"created\_at":"2011-05-10T15:45:47+02:00","time\_entry\_type\_id":null,"updated\_at":"2011-05-10T15:45:47+02:00","id":1,"valid\_until":null,"description":"Heizung ansehen"}},{"time\_entry\_type":{"created\_at":"2011-05-10T15:45:48+02:00","time\_entry\_type\_id":null,"updated\_at":"2011-05-10T15:45:48+02:00","id":2,"valid\_until":null,"description":"Lavabo wechseln"}},{"time\_entry\_type":{"created\_at":"2011-05-10T15:45:48+02:00","time\_entry\_type\_id":null,"updated\_at":"2011-05-10T15:45:48+02:00","id":3,"valid\_until":null,"description":"Wasserz\u00e4hler ersetzen"}},{"time\_entry\_type":{"created\_at":"2011-05-11T11:48:08+02:00","time\_entry\_type\_id":null,"updated\_at":"2011-05-11T11:48:08+02:00","id":4,"valid\_until":null,"description":"Digis sync test"}}]

0

## Synchronize TimeEntries

POST /time\_entries.json HTTP/1.1

Content-Type: application/json

cookie: remember\_user\_token=BAhbB1sGaQciIiQyYSQxMCRhZkxtSDU0dEN3U1E3MUZ6WC5iL3Mu--1f1edff405704f9c47c641f85f7788d26d475679; path=/; expires=Tue, 24-May-2011 14:51:53 GMT; HttpOnly

Content-Length: 261

Host: mrt.elmermx.ch

Connection: Keep-Alive

{"time\_entry":{"time\_start":"2011-05-12T16:12:35GMT+02:00","time\_stop":"2011-05-12T16:12:44GMT+02:00","hashcode":"l5qok5vrq74b036541presgcbd","gps\_position\_data":{"longitude":-122.084095,"latitude":37.422005},"description":"Neues Keramiklavao","customer\_id":3}}HTTP/1.1 201 Created

Date: Thu, 12 May 2011 14:13:01 GMT

Server: Apache

X-Powered-By: Phusion Passenger (mod\_rails/mod\_rack) 2.2.15

X-UA-Compatible: IE=Edge,chrome=1

X-Runtime: 0.143018

Cache-Control: no-cache

Set-Cookie: remember\_user\_token=BAhbB1sGaQciIiQyYSQxMCRhZkxtSDU0dEN3U1E3MUZ6WC5iL3Mu--1f1edff405704f9c47c641f85f7788d26d475679; path=/; expires=Tue, 24-May-2011 14:51:53 GMT; HttpOnly

Set-Cookie: \_mrt\_session=BAh7ByIPc2Vzc2lvbl9pZCIlMDExZGVhZDZjMTI4ODI1YmE1NjkyODYxNjAxM2ZhZjciGXdhcmRlbi51c2VyLnVzZXIua2V5WwgiEEZpZWxkV29ya2VyWwZpByIiJDJhJDEwJGFmTG1INTR0Q3dTUTcxRnpYLmIvcy4%3D--61998f19a2bb7e5f87f6b06505873136f66b6530; path=/; HttpOnly

Location: http://mrt.elmermx.ch/time\_entries/81

Status: 201

Keep-Alive: timeout=15, max=150

Connection: Keep-Alive

Transfer-Encoding: chunked

Content-Type: application/json; charset=utf-8

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{"time\_entry":{"created\_at":"2011-05-12T16:13:01+02:00","time\_stop":"2011-05-12T16:12:44+02:00","order\_id":null,"time\_entry\_type\_id":null,"updated\_at":"2011-05-12T16:13:01+02:00","hashcode":"l5qok5vrq74b036541presgcbd","id":81,"user\_id":2,"customer\_id":3,"description":"Neues Keramiklavao","gps\_position\_id":68,"time\_start":"2011-05-12T16:12:35+02:00"}}

0