

# Meine-Stadt-rettet OpenSource Interface Specification

## MSR-REST v2

Description of the REST interface "MSR-REST", which provides the configurable data exchange between the "Meine-Stadt-rettet" server and the control center software systems from other manufacturers.

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## Foreword

This document describes the bidirectional data exchange interface "MSR-REST". The method uses the standard REST interface (Representational State Transfer), which reads and writes queries to the "Meine Stadt rettet" rescue system via an URL address. The call on the URL returns the result in JSON format with the requested information.

## Status results

The status results are defined via the field **state**. Following status results are stored in the system:

### Emergency:

- 3 = First responder on the way
- 4 = First responder at the emergency location
- 10 = Aborted by first responder
- 11 = Emergency completed successfully
- 12 = Emergency manually canceled by the control center
- 20 = Emergency ended

### First responders:

- 1 = Emergency call received by the first responder
- 2 = First responder recognized the emergency call
- 3 = First responder accepted the emergency and is on its way to the emergency location
- 4 = First responder arrived at the emergency location
- 5 = Emergency aborted by the first responder
- 6 = Emergency successfully completed by first responder
- 7 = First Responder was contacted for further information

The fields "readyAt", "acceptedAt", "arrivedAt", "cancelledAt", "endedAt", "calledBackAt" represent the date of change of the status of the first responder.

## Security

The REST interface can only be accessed via a secure SSL connection (HTTPS). The REST APIs are secured by the following keys, which must always be entered in the header line of the https call:

**X-Parse-Application-Id:** Defines the application ID

**X-Parse-REST-API-Key:** Defines a secret key for the REST interface

For the command [Create Emergency](#) the respective control center number must be added in order to create a new emergency.

You can only receive data [First Responder Tracking](#) and [Emergency Details](#) when the emergency ID is known.

If one of these IDs is not known, no information can be received by the system.

## Create an Emergency

Methode	POST
URL	https://<server>/parse/classes/Emergency
Header	X-Parse-Application-Id X-Parse-REST-API-Key
Body	<pre>"locationPoint": {"__type": "GeoPoint", "latitude": &lt; <b>Decimal</b> &gt;, "longitude": &lt; <b>Decimal</b> &gt;} "controlCenterRelation": {"__type": "Pointer", "className": "ControlCenter", "objectId": &lt;String&gt;} "state": 0 "keyword": &lt;String&gt; "objectName": &lt; String &gt; "streetName": &lt; String &gt; "streetNumber": &lt; String &gt; "zip": &lt; String &gt; "city": &lt; String &gt; "country": &lt; String &gt; "patientName": &lt; String &gt; "indicatorName": &lt; String &gt; "emergencyNumber": &lt; String &gt; "informationString": &lt; String &gt;</pre>
Description	<p>With this command you can send an emergency call to all first responders. Which first responder receives this emergency call can be restricted on the basis of emergency call parameters. These are preconfigured by the respective control centers.</p> <p><b>locationPoint</b> defines the location of the emergency.</p> <p><b>controlCenterRelation</b> defines the control center that sends the emergency</p> <p>The field <b>state</b> must always have the value 0.</p> <p><b>Keyword</b> defines the emergency term.</p> <p><b>objectName</b> specifies the emergency <b>location</b> more precisely, e.g. floor , cafe, restaurant, square, etc.</p> <p>The fields <b>streetName</b>, <b>streetNumber</b>, <b>zip</b>, <b>city</b>, <b>country</b> specify the location of the emergency (The fields can be left blank if the geo coordinates have been provided).</p> <p><b>patientName</b> specifies the name of the patient.</p> <p><b>indicatorName</b> specifies the name of the reporter (caller).</p> <p><b>emergencyNumber</b> defines the emergency number.</p> <p><b>informationString</b> describes the emergency with more details.</p>
Example call	<pre>-X POST -H "X-Parse-Application-Id: &lt;ID&gt;" -H "X-Parse-REST-API-Key: &lt;Key&gt;" -H "Cache-Control: no-cache" -H "Content-Type: application/json" -d '{   "locationPoint": {     "__type": "GeoPoint",     "latitude": 48.2670555,</pre>

	<pre>       "longitude": 11.677272999     },     "controlCenterRelation": {       "__type": "Pointer",       "className": "ControlCenter",       "objectId": " QSVlT095CP"     },     "state": 0,     "keyword": " NOTF NA REA 103",     "objectName": "Café Neuhaus",     "streetName": "Musterstr",     "streetNumber": "5",     "zip": "01345",     "city": "Hamburg",     "country": "Deutschland",     "patientName": "Hans Mustermann",     "indicatorName": "Rainer Ersthelfer",     "emergencyNumber": 12345678,     "informationString": "Verletzte weibliche Person vor dem Café Neuhaus"   }' "<a href="https://meinestadtrettet-server.de/parse/classes/Emergency">https://meinestadtrettet-server.de/parse/classes/Emergency</a>" </pre>
Return value	<pre> {   "objectId": &lt;Wert&gt;,   "createdAt": &lt;Wert&gt; } </pre> <p>The <b>objectId</b> describes the unique emergency call.</p>

## First Responder Tracking

Methode	GET
Header	X-Parse-Application-Id X-Parse-REST-API-Key
URL	<a href="https://&lt;server&gt;/api/user">https://&lt;server&gt;/api/user</a>
Parameter	objectId=< <b>String</b> >
Description	<p>This command can be used to request the information of first responder who has accepted the emergency.</p> <p>Whether it is a change of location of the first responder you will notice in the current timestamp of the <b>createdAt</b> field.</p> <p>The geo coordinates are being provided in the <b>location</b> object.</p> <p>The distance (in walking time and distance in meters) of the first responder to the emergency location is being provided in the fields <b>duration</b> und <b>distance</b>.</p> <p>The system monitors the status for every first responder and every emergency. You can track a status change of the first responder if the fields <b>updatedAt</b> and <b>emergencyStateRelation</b> change. The new status is being provided in the field <b>state</b>.</p>

	<p>A <b>status change for an emergency</b> is defined in the <b>emergencyRelation</b> object. Relevant fields are <b>updatedAt</b> and <b>state</b>.</p> <p>The fields <b>acceptedAt</b>, <b>arrivedAt</b>, <b>cancelledAt</b>, <b>endedAt</b>, <b>calledBackAt</b> are only provided if they have a value.</p> <p><b>readyAt</b>: date when the emergency was recognized by the first responder (state = 2)</p> <p><b>acceptedAt</b>: date when the emergency was accepted (state = 3)</p> <p><b>arrivedAt</b>: date when the first responder arrived at the location (state = 4)</p> <p><b>cancelledAt</b>: date when the first responder aborts the call (state = 5)</p> <p><b>endedAt</b>: date when the first responder has successfully completed the emergency call (state = 6)</p> <p>If you no longer receive any records, the emergency was closed by the control center.</p>
Example call	<pre>-X GET -H "X-Parse-Application-Id: &lt;ID&gt;" -H "X-Parse-REST-API-Key: &lt;Key&gt;" -H "Cache-Control: no-cache" -H "Content-Type: application/json" "https://&lt;server&gt;/api/user?objectId=jJVydrtpoK"</pre>
Return value	<pre>[ {   "objectId": &lt;String&gt;   "createdAt": "2017-04-24T14:27:40.356Z",   "updatedAt": "2017-06-08T06:40:06.853Z",   "duration": &lt;Decimal&gt;,   "distance": &lt;Decimal&gt;,   "location": {     "__type": "GeoPoint",     "latitude": &lt;Decimal&gt;,     "longitude": &lt;Decimal&gt;   },   "emergencyStateRelation": {     "state": &lt;Number&gt;,     "createdAt": "2017-05-17T21:48:13.394Z",     "updatedAt": "2017-06-08T06:36:04.766Z",     "objectId": &lt;String&gt;,     "acceptedAt": {       "__type": "Date",       "iso": "2018-04-12T05:38:57.325Z"     },     "arrivedAt": {       "__type": "Date",       "iso": "2018-04-12T05:38:57.325Z"     },     "cancelledAt": {       "__type": "Date",       "iso": "2018-04-12T05:38:57.325Z"     },     "endedAt": {       "__type": "Date",       "iso": "2018-04-12T05:38:57.325Z"     }   } }</pre>

	<pre> "calledBackAt": {   "__type": "Date",   "iso": "2018-04-12T05:38:57.325Z" }, }, "emergencyRelation": {   "state": &lt; Number &gt;,   "createdAt": "2017-03-21T21:47:05.390Z",   "updatedAt": "2017-06-08T08:19:01.649Z",   "objectId": &lt; String &gt;, }, "userRelation": {   "lastname": &lt; String &gt;,   "firstname": &lt; String &gt;,   "profession": &lt; String &gt;,   "qualification": &lt; String &gt;,   "phoneNumber": &lt; Number &gt;,   "createdAt": "2017-01-28T17:38:55.158Z",   "updatedAt": "2017-05-27T12:00:27.718Z",   "objectId": &lt; String &gt; } } ] </pre>
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## Emergency Details

Methode	GET
Header	X-Parse-Application-Id X-Parse-REST-API-Key
URL	<a href="https://&lt;server&gt;/parse/classes/Emergency">https://&lt;server&gt;/parse/classes/Emergency</a>
Parameter	where={"objectId":< String >}"
Description	With this command you receive all information about an emergency with the ID <b>objectId</b> . The ID will be returned as soon as you create an emergency.
Example call	<pre> -X GET -H "X-Parse-Application-Id: &lt;ID&gt;" -H "X-Parse-REST-API-Key: &lt;Key&gt;" -H "Cache-Control: no-cache" -H "Content-Type: application/json" <a href="https://meinstadtrettet-server.de/parse/classes/Emergency?where={" objectid":"jjvydrtpok"}"="">https://meinstadtrettet-server.de/parse/classes/Emergency?where={"objectId":"jJVydrtpoK"}</a> </pre>
Return value	<pre> {   "results": [     {       "objectId": "jJVydrtpoK",       "locationPoint": {         "__type": "GeoPoint",         "latitude": &lt; Decimal &gt;         "longitude": &lt; Decimal &gt;       },     },   ], } </pre>

	<pre>"state": &lt; <b>Number</b> &gt;, "keyword": &lt; <b>String</b> &gt;, "objectName": &lt; <b>String</b> &gt;, "streetName": &lt; <b>String</b> &gt;, "streetNumber": &lt; <b>String</b> &gt;, "zip": &lt; <b>String</b> &gt;, "city": &lt; <b>String</b> &gt;, "country": &lt; <b>String</b> &gt;, "patientName": &lt; <b>String</b> &gt;, "indicatorName": &lt; <b>String</b> &gt;, "emergencyNumber": &lt; <b>Number</b> &gt;, "informationString": &lt; <b>String</b> &gt;, "createdAt": &lt; <b>Date</b> &gt;, "updatedAt": &lt; <b>Date</b> &gt; } ] }</pre>
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