

Roadroid API specification

Version	Date	Writer	Description
1.0	2018-04-10	Magnus Nordlund	First version
1.1	2018-08-30	Magnus Nordlund	Clean up.
2.0	2018-10-01	Magnus Nordlund	Added photo/video
2.1	2018-11-26	Magnus Nordlund	Added paging
2.2	2018-11-28	Magnus Nordlund	Added measurement get function

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Methods

1. Get road condition data via bounding box

Get road condition information in a graphical area (bounding box).

Request

Method	URL
GET	https://www.roadroid.com/api/RoadConditionApi/Get?fromDate=2018-01-01&toDate=2018-01-31&bbox=14.787340164184572,62.15744555864527,14.951448440551758,62.19814621365597&from=0&to=1000

Type	Params	Values
HEAD	<code>Authorization</code>	string
URL_PARAM	<code>fromDate</code>	Start of date range, in format 'yyyy-MM-dd'
URL_PARAM	<code>toDate</code>	End of date range, in format 'yyyy-MM-dd'
URL_PARAM	<code>bbox</code>	bounding box values. (min long, min lat, max long, max lat)
URL_PARAM	<code>from</code>	Start of row number to get (paging)
URL_PARAM	<code>to</code>	End of row number to get (paging)

Authorization header contains the keyword *Basic* followed by the base64 encoded username and password in the format *username:password*.

Example:

Authorization: Basic bWFnbmVklmnu3Q6VGVzdDEyMzQ=

Username and **password** will be the same as your roadroid.com login.

So authorization will be performed in every request.

Response

Status	Response
200	See the JSON object example in appendix

2. Get photo information

Get information about existing photos in a graphical area (bounding box).

Request

Method	URL
GET	https://www.roadroid.com/api/PhotoApi/Get?fromDate=2018-01-01&toDate=2018-01-31&bbox=14.787340164184572,62.15744555864527,14.951448440551758,62.19814621365597

Type	Params	Values
HEAD	<code>Authorization</code>	string
URL_PARAM	<code>fromDate</code>	Start of date range, in format 'yyyy-MM-dd'
URL_PARAM	<code>toDate</code>	End of date range, in format 'yyyy-MM-dd'
URL_PARAM	<code>bbox</code>	bounding box values. (min long, min lat, max long, max lat)

Authorization header contains the keyword *Basic* followed by the base64 encoded username and password in the format *username:password*.

Example:

Authorization: Basic bWFnbmVklmnu3Q6VGVzdDEyMzQ=

Username and **password** will be the same as your roadroid.com login. So authorization will be performed in every request.

Response

Status	Response
200	See the JSON object example in appendix

3. Get video information

Get information about existing videos in a graphical area (bounding box).

Request

Method	URL
GET	https://www.roadroid.com/api/VideoApi/Get?fromDate=2018-01-01&toDate=2018-01-31&bbox=14.787340164184572,62.15744555864527,14.951448440551758,62.19814621365597

Type	Params	Values
HEAD	<code>Authorization</code>	string
URL_PARAM	<code>fromDate</code>	Start of date range, in format 'yyyy-MM-dd'
URL_PARAM	<code>toDate</code>	End of date range, in format 'yyyy-MM-dd'
URL_PARAM	<code>bbox</code>	bounding box values. (min long, min lat, max long, max lat)

`Authorization` header contains the keyword *Basic* followed by the base64 encoded username and password in the format *username:password*.

Example:

Authorization: Basic bWFnbmVklmnu3Q6VGVzdDEyMzQ=

`Username` and `password` will be the same as your roadroid.com login.

So authorization will be performed in every request.

Response

Status	Response
200	See the JSON object example in appendix

4. Get road condition data via measurement Id

Get road condition information from a whole road condition measurement (by measurementId)

Request

Method	URL
GET	http://www.Roadroid.com/api/roadconditionApi/Get?measurementId=85738

Type	Params	Values
HEAD URL_PARAM	<code>Authorization</code> <code>measurementId</code>	<code>String</code> <code>Id of the road condition measurement.</code>

Authorization header contains the keyword *Basic* followed by the base64 encoded username and password in the format *username:password*.

Example:

Authorization: Basic bWFnbmVklmnu3Q6VGVzdDEyMzQ=

Username and **password** will be the same as your roadroid.com login.

So authorization will be performed in every request.

Response

Status	Response
200	See the JSON object example in appendix

Appendix

JSON example, Road condition data

```
{
  "ContentEncoding": null,
  "ContentType": null,
  "Data": {
    "type": "FeatureCollection",
    "features": [
      {
        "type": "Feature",
        "geometry": {
          "type": "Point",
          "coordinates": [
            14.954094,
            62.155742
          ]
        },
        "properties": {
          "moreRowsExists": false,
          "id": 72512817,
          "eiri": 0.9986,
          "roadClass": 0,
          "speed": 66.87,
          "altitude": 291.06,
          "direction": 358.44,
          "timestamp": "2017-05-13T15:59:32"
        }
      },
      {
        "type": "Feature",
        "geometry": {
          "type": "Point",
          "coordinates": [
            14.954067,
            62.15591
          ]
        },
        "properties": {
          "moreRowsExists": false,
          "id": 72512818,
          "eiri": 1.1036,
          "roadClass": 0,
          "speed": 63.72,
          "altitude": 291.01,
          "direction": 356.89,
          "timestamp": "2017-05-13T15:59:33"
        }
      }
    ]
  }
}
```

JSON example, Photo information

```
{
  "ContentEncoding": null,
  "ContentType": null,
  "Data": {
    "type": "FeatureCollection",
    "features": [
      {
        "type": "Feature",
        "geometry": {
          "type": "Point",
          "coordinates": [
            169.029176,
            -46.089728
          ]
        },
        "properties": {
          "id": 1227095,
          "date": "2017-06-01",
          "path": "https://akiaipfi7xmhgdk3ibvq-media.s3.amazonaws.com/photo/2017/06/353801069662124_-46089728_169029176_20170601153350_0_1_b3100c78-c9bf-4cbd-ac9e-c7c7a90274b5.jpg",
          "comment": "By User 'gorenz01' (2017-06-01)"
        }
      },
      {
        "type": "Feature",
        "geometry": {
          "type": "Point",
          "coordinates": [
            169.035069,
            -46.09137
          ]
        },
        "properties": {
          "id": 1227096,
          "date": "2017-06-01",
          "path": "https://akiaipfi7xmhgdk3ibvq-media.s3.amazonaws.com/photo/2017/06/353801069662124_-46091370_169035069_20170601153320_0_1_b3100c78-c9bf-4cbd-ac9e-c7c7a90274b5.jpg",
          "comment": "By User 'gorenz01' (2017-06-01)"
        }
      }
    ]
  }
}
```


JSON example, Video information

```
{
  "ContentEncoding": null,
  "ContentType": null,
  "Data": {
    "type": "FeatureCollection",
    "features": [
      {
        "type": "Feature",
        "geometry": {
          "type": "Point",
          "coordinates": [
            169.029176,
            -46.089728
          ]
        },
        "properties": {
          "date": "2017-06-01",
          "path": "https://akiaipfi7xmhgdk3ibvq-media.s3.amazonaws.com/video/2017/06/353801069662124_-46089728_169029176_20170601153350_0_1_b3100c78-c9bf-4cbd-ac9e-c7c7a90274b5.mp4",
          "comment": "By User 'test01' (2017-06-01)",
          "measurementId": "123456"
        }
      },
      {
        "type": "Feature",
        "geometry": {
          "type": "Point",
          "coordinates": [
            169.035069,
            -46.09137
          ]
        },
        "properties": {
          "date": "2017-06-01",
          "path": "https://akiaipfi7xmhgdk3ibvq-media.s3.amazonaws.com/video/2017/06/353801069662124_-46091370_169035069_20170601153320_0_1_b3100c78-c9bf-4cbd-ac9e-c7c7a90274b5.mp4",
          "comment": "By User 'test01' (2017-06-01)",
          "measurementId": "123456"
        }
      }
    ]
  }
}
```