

Mars Rover Kata API

You're part of the team that explores Mars by sending remotely controlled vehicles to the surface of the planet. Develop an API that translates the commands sent from earth to instructions that are understood by the rover.

More information: <https://helloverb.com>

Contact Info: hello@helloverb.com

Version: 1.0.0

Apache 2.0

<http://springdoc.org>

Access

Methods

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ObstacleController

[Up](#)

POST /api/obstacle

(createObstacle)

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

body [ObstacleDto](#) (required)

Body Parameter —

Return type

[Obstacle](#)

Example data

Content-Type: application/json

```
{
  "xposition" : 6,
  "yposition" : 1,
  "id" : 0
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- */*

Responses

200

OK [Obstacle](#)

DELETE /api/obstacle/{id}

[Up](#)

(deleteObstacle)

Path parameters

id (required)

Path Parameter — format: int64

Return type

String

Example data

Content-Type: application/json

```
""
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- */*

Responses

200

OK [String](#)

GET /api/obstacle

[Up](#)

(findAll)

Return type

array[[Obstacle](#)]

Example data

Content-Type: application/json

```
[ {
  "xposition" : 6,
  "yposition" : 1,
  "id" : 0
}
```

```
}, {  
  "xposition" : 6,  
  "yposition" : 1,  
  "id" : 0  
} ]
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- */*

Responses

200

OK

[Up](#)

PUT /api/obstacle/{id}

(updateObstacle)

Path parameters

id (required)

Path Parameter — format: int64

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

body [ObstacleDto](#) (required)

Body Parameter —

Return type

[Obstacle](#)

Example data

Content-Type: application/json

```
{  
  "xposition" : 6,  
  "yposition" : 1,  
  "id" : 0  
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- */*

Responses

200

OK [Obstacle](#)

RoverController

POST /api/rover

(createRover)

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

body [RoverDto](#) (required)
Body Parameter —

Return type

[Rover](#)

Example data

Content-Type: application/json

```
{
  "xposition" : 6,
  "yposition" : 1,
  "id" : 0,
  "direction" : "NORTH"
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- */*

Responses

200

OK [Rover](#)

DELETE /api/rover/{id}

(deleteRover)

Path parameters

id (required)
Path Parameter — format: int64

Return type

String

Example data

Content-Type: application/json

```
""
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- */*

Responses

200

OK [String](#)

[Up](#)

GET /api/rover

(getRover)

Return type

[Rover](#)

Example data

Content-Type: application/json

```
{
  "xposition" : 6,
  "yposition" : 1,
  "id" : 0,
  "direction" : "NORTH"
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- */*

Responses

200

OK [Rover](#)

[Up](#)

POST /api/rover/command

(sendCommand)

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

body [CommandDto](#) (required)

Body Parameter —

Return type

[Rover](#)

Example data

Content-Type: application/json

```
{
  "xposition" : 6,
  "yposition" : 1,
  "id" : 0,
}
```

```
"direction" : "NORTH"
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- */*

Responses

200

OK [Rover](#)

[Up](#)

PUT /api/rover/{id}

(updateRover)

Path parameters

id (required)

Path Parameter — format: int64

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

body [RoverDto](#) (required)

Body Parameter —

Return type

[Rover](#)

Example data

Content-Type: application/json

```
{
  "xposition" : 6,
  "yposition" : 1,
  "id" : 0,
  "direction" : "NORTH"
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- */*

Responses

200

OK [Rover](#)

Models

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CommandDto

[Up](#)

commands (optional)
[array\[String\]](#)

Obstacle

[Up](#)

id (optional)
[Long](#) format: int64

xposition (optional)
[Integer](#) format: int32

yposition (optional)
[Integer](#) format: int32

ObstacleDto

[Up](#)

id (optional)
[Long](#) format: int64

xposition (optional)
[Integer](#) format: int32

yposition (optional)
[Integer](#) format: int32

Rover

[Up](#)

id (optional)
[Long](#) format: int64

direction (optional)
[String](#)
Enum:
 NORTH
 EAST
 SOUTH
 WEST

xposition (optional)
[Integer](#) format: int32

yposition (optional)
[Integer](#) format: int32

RoverDto

[Up](#)

id (optional)
[Long](#) format: int64

direction (optional)

[String](#)

Enum:

NORTH

EAST

SOUTH

WEST

xposition (optional)

[Integer](#) format: int32

yposition (optional)

[Integer](#) format: int32