Robot API

http://127.0.0.1:8000/api

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Returns the list of robots

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Creates a new robot.

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POST /robot
```

Response 201

Creates a new robot with the given properties

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GET /robot/{robotId}

Retrieves the list of all existing robots

```
GET /robot/{robotId}
```

URI Parameters

- **robotId**: *required (string)*

Response 200

Returns the list of robots

POST /robot/{robotId}

Creates a new robot.

```
POST /robot/{robotId}
```

URI Parameters

- **robotId**: *required (string)*

Body

Response 201

Creates a new robot with the given properties

Body

Response 400

Invalid request

Response 404

Invalid request

GET /robot/{robotId}/joint

Lists all joints of a robot

```
GET /robot/{robotId}/joint
```

URI Parameters

- **robotId**: *required (string)*

Response 200

Returns the list of joints of the robot

Body

GET /robot/{robotId}/joint/{jointId}

Retrieves the properties of a joint

```
GET /robot/{robotId}/joint/{jointId}
```

URI Parameters

* **robotId**: *required (string)*
* **jointId**: *required (string)*

Response 200

Returns the description of the joint

Body

PUT /robot/{robotId}/joint/{jointId}

Sets the properperties of a joint

```
PUT /robot/{robotId}/joint/{jointId}
```

URI Parameters

* **robotId**: *required (string)*
* **jointId**: *required (string)*

Body

Response 202

Returns the new description of the joint

Body

Response 400

Invalid request

GET /robot/{robotId}/link

Lists all links of a robot

```
GET /robot/{robotId}/link
```

URI Parameters

* **robotId**: *required (string)*

Response 200

Returns the list of links of the robot

POST /robot/{robotId}/link

Creates a new link in the robot

```
POST /robot/{robotId}/link
```

URI Parameters

- **robotId**: *required (string)*

Response 201

Returns the description of the created link

Response 400

Invalid request

GET /robot/{robotId}/link/{linkId}

Retrieves the properties of a link

```
GET /robot/{robotId}/link/{linkId}
```

URI Parameters

- **robotId**: *required (string)*
- **linkId**: *required (string)*

Response 200

Returns the description of the link

PUT /robot/{robotId}/link/{linkId}

Sets the properperties of a link

```
PUT /robot/{robotId}/link/{linkId}
```

URI Parameters

- **robotId**: *required (string)*
- **linkId**: *required (string)*

Body

Response 202

Returns the new description of the robot

Body

Response 400

Invalid request

DELETE /robot/{robotId}/link/{linkId}

Deletes a link

```
DELETE /robot/{robotId}/link/{linkId}
```

URI Parameters

- **robotId**: *required (string)*
- **linkId**: *required (string)*

Response 204

GET /robot/{robotId}/link/{linkId}/geometry

Lists all geometries of a link

```
GET /robot/{robotId}/link/{linkId}/geometry
```

URI Parameters

- **robotId**: *required (string)*
- **linkId**: *required (string)*

Response 200

Returns the list of geometries of the link

[Body](#)

POST /robot/{robotId}/link/{linkId}/geometry

Creates a new geometry in the link

```
POST /robot/{robotId}/link/{linkId}/geometry
```

URI Parameters

- **robotId**: *required (string)*
- **linkId**: *required (string)*

[Body](#)

Response 201

Returns the new description of the created geometry

[Body](#)

Response 400

Invalid request

GET /robot/{robotId}/link/{linkId}/geometry/{geometryId}

Retrieves the properties of a geometry

```
GET /robot/{robotId}/link/{linkId}/geometry/{geometryId}
```

URI Parameters

- **robotId**: *required (string)*
- **linkId**: *required (string)*
- **geometryId**: *required (string)*

Response 200

Returns the description of the geometry

[Body](#)

PUT /robot/{robotId}/link/{linkId}/geometry/{geometryId}

Sets the proImperperties of a geometry

```
PUT /robot/{robotId}/link/{linkId}/geometry/{geometryId}
```

URI Parameters

- **robotId**: *required (string)*
- **linkId**: *required (string)*
- **geometryId**: *required (string)*

Body

Response 202

Returns the new description of the geometry

Body

Response 400

Invalid request

DELETE /robot/{robotId}/link/{linkId}/geometry/{geometryId}

Deletes a geometry

```
DELETE /robot/{robotId}/link/{linkId}/geometry/{geometryId}
```

URI Parameters

- **robotId**: *required (string)*
- **linkId**: *required (string)*
- **geometryId**: *required (string)*

Response 204