



# JANET Simulator REST API 0.8.0 OAS3

REST API for interfacing with the JANET Simulator in the JANET Home Simulation System

## Servers

TBD - TBD ▾

## Locations API

PUT

/location/{loc\_id} Add a new location

Adds a new location and starts its JANET Controller node

### Parameters

Try it out

Name

Description

**loc\_id** \* required

integer

(path)

The location ID (unique int > 0)

10

Request body **required**

application/json ▾

- **name** → The location name (string, optional)
- **user** → The location user (string, optional)
- **port** → The location controller's REST port (unique int ≥ 30000)
- **hostname** → The hostname where to deploy the location controller node (string, required)

Example Value | Schema

```
{
  "name": "office",
  "user": "janethome@gmail.com",
  "port": 30000,
```

```
"hostname": "www.somePredefinedHost.com"
}
```

## Responses

Code	Description	Links
201	CREATED (location successfully added)	No links
400	<div><div>BAD REQUEST</div><div><ul style="list-style-type: none"><li>Parameter <b>loc_id</b> is not an integer</li><li>Parameter <b>loc_id</b> is &lt; 1</li><li>Parameter <b>port</b> is missing</li><li>Parameter <b>port</b> is not an integer</li><li>Parameter <b>port</b> is &lt; 30000</li></ul></div></div> <div>Media type</div> <div>text/plain</div> <div>Example Value   Schema</div> <div>&lt;ERROR&gt; Required parameter "port" is missing</div>	No links
405	<div><div>METHOD NOT ALLOWED (unsupported HTTP method)</div><div>Media type</div><div>text/plain</div><div>Example Value   Schema</div><div>&lt;ERROR&gt; Method "GET" is not allowed in the specified path</div></div>	No links
406	<div><div>NOT ACCEPTABLE (The <b>hostname</b> does not belong to the list of allowed hosts)</div><div>Media type</div><div>text/plain</div><div>Example Value   Schema</div><div>&lt;ERROR&gt; The specified "hostname" (pippo.com) does not belong to the list of allowed hosts where JANET nodes can be deployed in</div></div>	No links

Code	Description	Links
409	<p>CONFLICT (location <b>loc_id</b> already exists)</p> <p>Media type</p> <div> text/plain </div> <p>Example Value   Schema</p> <pre>&lt;ERROR&gt; A location with such "loc_id" (35) already exists</pre>	No links
412	<p>PRECONDITION FAILED (The specified <b>port</b> is not available)</p> <ul style="list-style-type: none"> <li>The <b>port</b> is assigned to another location controller</li> <li>The <b>port</b> is currently not available in the host OS</li> </ul> <p>Media type</p> <div> text/plain </div> <p>Example Value   Schema</p> <pre>&lt;ERROR&gt; The specified "port" (30000) is already assigned to another location controller</pre>	No links
415	<p>UNSUPPORTED MEDIA TYPE (request body could not be interpreted as JSON)</p> <p>Media type</p> <div> text/plain </div> <p>Example Value   Schema</p> <pre>&lt;ERROR&gt; Request body could not be interpreted in JSON format</pre>	No links
500	<p>INTERNAL SERVER ERROR</p> <ul style="list-style-type: none"> <li>The location was added, but an internal error occurred in starting its controller node</li> <li>Unknown JSONE parameter mapping</li> <li>Unhandled server error</li> </ul> <p>Media type</p> <div> text/plain </div> <p>Example Value   Schema</p> <pre>&lt;SERVER ERROR&gt; The location was added, but an internal error occurred in starting its controller node: {errorReason}</pre>	No links

POST

/location/{loc\_id} Update a location's name



Updates the name of an existing location in the JANET Simulator node

Parameters

Try it out

Name

Description

**loc\_id** \* required

integer  
(path)

The location ID (unique int > 0)

10

Request body **required**

application/json



- **name** → The updated location name (string)

Example Value | Schema

```
{
  "name": "office"
}
```

Responses

Code

Description

Links

204

NO CONTENT (location name successfully updated)

No links

Code	Description	Links
400	<p>BAD REQUEST</p> <ul style="list-style-type: none"> <li>Parameter <b>loc_id</b> is not an integer</li> <li>Parameter <b>loc_id</b> is &lt; 1</li> <li>Parameter <b>name</b> is missing</li> </ul> <p>Media type</p> <div>text/plain ▼</div> <p>Example Value   Schema</p> <pre>&lt;ERROR&gt; Required parameter "name" is missing</pre>	No links
404	<p>NOT FOUND (location <b>loc_id</b> was not found in the JANET Simulator)</p> <p>Media type</p> <div>text/plain ▼</div> <p>Example Value   Schema</p> <pre>&lt;ERROR&gt; A location with such "loc_id" (9521) does not exist</pre>	No links
405	<p>METHOD NOT ALLOWED (unsupported HTTP method)</p> <p>Media type</p> <div>text/plain ▼</div> <p>Example Value   Schema</p> <pre>&lt;ERROR&gt; Method "GET" is not allowed in the specified path</pre>	No links
415	<p>UNSUPPORTED MEDIA TYPE (request body could not be interpreted as JSON)</p> <p>Media type</p> <div>text/plain ▼</div> <p>Example Value   Schema</p> <pre>&lt;ERROR&gt; Request body could not be interpreted in JSON format</pre>	No links

Code	Description	Links
500	<div>INTERNAL SERVER ERROR</div> <div><ul style="list-style-type: none"><li>Unknown JSONE parameter mapping</li><li>Unhandled server error</li></ul></div> <div>Media type</div> <div>text/plain</div> <div>Example Value   Schema</div> <div>&lt;UNKNOWN SERVER ERROR&gt; Unknown error: {errorReason}</div>	No links

DELETE	/location/{loc_id} Delete a location	
<div>Deletes an existing location from the JANET Home simulation environment, along with all its sublocation and devices</div>		
Parameters		Try it out
<div>Name</div>	<div>Description</div>	
<div>loc_id * required</div> <div>integer</div> <div>(path)</div>	<div>The location ID (unique int &gt; 0)</div> <div>10</div>	
Responses		
<div>Code</div>	<div>Description</div>	<div>Links</div>
204	NO CONTENT (location successfully deleted)	No links

Code	Description	Links
400	<p>BAD REQUEST</p> <ul style="list-style-type: none"> <li>Parameter <b>loc_id</b> is not an integer</li> <li>Parameter <b>loc_id</b> is &lt; 1</li> </ul> <p>Media type</p> <div> text/plain </div> <p>Example Value   Schema</p> <pre>&lt;ERROR&gt; Parameter "loc_id" is not an integer ("ciao")</pre>	No links
404	<p>NOT FOUND (location <b>loc_id</b> was not found in the JANET Simulator)</p> <p>Media type</p> <div> text/plain </div> <p>Example Value   Schema</p> <pre>&lt;ERROR&gt; A location with such "loc_id" (9521) does not exist</pre>	No links
405	<p>METHOD NOT ALLOWED (unsupported HTTP method)</p> <p>Media type</p> <div> text/plain </div> <p>Example Value   Schema</p> <pre>&lt;ERROR&gt; Method "GET" is not allowed in the specified path</pre>	No links
500	<p>INTERNAL SERVER ERROR</p> <ul style="list-style-type: none"> <li>The location along with all its sublocations and devices were deleted from the database, but an internal error occurred in stopping their associated nodes</li> <li>Unhandled server error</li> </ul> <p>Media type</p> <div> text/plain </div> <p>Example Value   Schema</p> <pre>&lt;SERVER ERROR&gt; The location along with all its sublocations and devices were deleted from the database, but an internal error occurred in stopping their associated nodes: {errorReason}</pre>	No links

# Sublocations API



POST

/location/{loc\_id}/sublocation/{subloc\_id} Update a sublocation's name



Updates the name of an existing sublocation in the JANET Simulator node

### Parameters

Try it out

#### Name

#### Description

**loc\_id** \* required

The location ID (unique int > 0)

integer

(path)

10

**subloc\_id** \* required

The sublocation ID within the location (int > 0, because the name of default sublocations {Loc\_id,0} cannot be changed)

integer

(path)

4

Request body **required**

application/json



- name** → The updated sublocation name (string)

Example Value | Schema

```
{
  "name": "kitchen"
}
```

### Responses

#### Code

#### Description

#### Links



Code	Description	Links
204	NO CONTENT (sublocation name successfully updated)	No links
400	BAD REQUEST <ul style="list-style-type: none"> <li>Parameter <b>loc_id</b> is not an integer</li> <li>Parameter <b>loc_id</b> is &lt; 1</li> <li>Parameter <b>subloc_id</b> is not an integer</li> <li>Parameter <b>subloc_id</b> is &lt; 1</li> <li>Parameter <b>name</b> is missing</li> </ul> <div>Media type</div> <div>text/plain ▼</div> <div>Example Value   Schema</div> <div>&lt;ERROR&gt; Required parameter "name" is missing</div>	No links
404	NOT FOUND (sublocation {loc_id,subloc_id} was not found in the JANET Simulator) <div>Media type</div> <div>text/plain ▼</div> <div>Example Value   Schema</div> <div>&lt;ERROR&gt; A sublocation with such "sub_id" = {932,74} does not exist</div>	No links
405	METHOD NOT ALLOWED (unsupported HTTP method) <div>Media type</div> <div>text/plain ▼</div> <div>Example Value   Schema</div> <div>&lt;ERROR&gt; Method "GET" is not allowed in the specified path</div>	No links

Code

Description

Links

415

UNSUPPORTED MEDIA TYPE (request body could not be interpreted as JSON)

Media type

text/plain

Example Value

Schema

<ERROR> Request body could not be interpreted in JSON format

No links

500

INTERNAL SERVER ERROR

- Unknown JSONE parameter mapping
- Unhandled server error

Media type

text/plain

Example Value

Schema

<UNKNOWN SERVER ERROR> Unknown error: {errorReason}

No links

Devices

POST

/device/{dev\_id} Update a device's name

Updates the name of an existing device in the JANET Simulator node

Parameters

Try it out

Name

Description

dev\_id \* required

The device ID (unique int > 0)

integer

(path)

5

Request body required

application/json

- name → The updated device name (string)

Example Value

Schema

{  
 "name": "Pinguino Cool&Quiet"

```
}
```

## Responses

Code	Description	Links
204	NO CONTENT (device name successfully updated)	No links

400	<div>BAD REQUEST<ul style="list-style-type: none"><li>Parameter <b>dev_id</b> is not an integer</li><li>Parameter <b>dev_id</b> is &lt; 1</li><li>Parameter <b>name</b> is missing</li></ul></div>	No links
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Media type

text/plain

Example Value | Schema

```
<ERROR> Required parameter "name" is missing
```

404	NOT FOUND (device <b>dev_id</b> was not found in the JANET Simulator)	No links
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Media type

text/plain

Example Value | Schema

```
<ERROR> A device with such "dev_id" (1538) does not exist
```

405	METHOD NOT ALLOWED (unsupported HTTP method)	No links
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Media type

text/plain

Example Value | Schema

```
<ERROR> Method "GET" is not allowed in the specified path
```

Code	Description	Links
415	<p>UNSUPPORTED MEDIA TYPE (request body could not be interpreted as JSON)</p> <p>Media type</p> <div><div>text/plain</div><div>▼</div></div> <p>Example Value   Schema</p> <div>&lt;ERROR&gt; Request body could not be interpreted in JSON format</div>	No links
500	<p>INTERNAL SERVER ERROR</p> <ul style="list-style-type: none"><li>Unknown JSONE parameter mapping</li><li>Unhandled server error</li></ul> <p>Media type</p> <div><div>text/plain</div><div>▼</div></div> <p>Example Value   Schema</p> <div>&lt;UNKNOWN SERVER ERROR&gt; Unknown error: {errorReason}</div>	No links