

# MoSKito Inspect pre 2.6 REST API

Since MoSKito 2.2.0 MoSKito Inspect has an integrated RESTful interface, that is parallel to the user interface. This document defines the usage of the MoSKito Inspect RESTful interface.



This document describes the API for 2.2.x to 2.5.x

Since 2.6.x there is a new API: [MoSKito Inspect REST API](#)

- General
  - Request format
  - Sections
    - accumulators
      - list
      - get/{id}
      - remove/{id}
      - create - POST
    - thresholds
      - list
      - definitions
      - statuses
      - alerts
      - remove/{id}
      - create - POST
      - worstStatus
      - worstStatusForSelectedThresholds - POST
    - producers
      - categories
      - subsystem
    - journeys
      - list GET

## General

### Request format

Requests to the REST Interface should have the form:

```
http://server:port/<appname>/<restpath>/<section>/<usecase>/<parameters>
```

Not all parts of the path must be always present.

### Sections

The following text is divided into section and use-cases in the exact order of the url names. So if you want to call list use case from accumulators section, you simply call:

```
http://server:port/<appname>/<restpath>/accumulators/list  
or  
http://localhost:8080/moskito/moskito-inspect-rest/accumulators/list
```

### accumulators

Requests to the /accumulators/\* path are handled by net.anotheria.moskito.webui.accumulators.resource.AccumulatorResource.

#### list

Method	GET
Reply	<pre> {   "success": true,   "results": {     "accumulators": [       {         "id": "6",         "name": "OldGenFree 1m",         "path": "MemoryPool-PS Old Gen-Heap.MemoryPool-PS Old Gen-Heap.Free/1m /MILLISECONDS",         "numberOfValues": 0,         "lastValueTimestamp": "none",         "maxNumberOfValues": 0       },       {         "id": "12",         "name": "OldGenFree 5m",         "path": "MemoryPool-PS Old Gen-Heap.MemoryPool-PS Old Gen-Heap.Free/5m /MILLISECONDS",         "numberOfValues": 0,         "lastValueTimestamp": "none",         "maxNumberOfValues": 0       },       ...     ]   } } </pre>

### get/{id}

Method	GET
Parameters	id <span style="float: right;">path parameter</span>
Example	<pre> http://{{url}}:{{port}}/{{app}}/moskito-inspect-rest/accumulators/get/22 </pre>

Reply

```
{
  "success": true,
  "results": {
    "graphData": {
      "name": "URL REQ 5m",
      "data": [
        {
          "values": [
            "25"
          ],
          "timestamp": "23:38",
          "isoTimestamp": "2013-02-13T23:38:01,723"
        },
        {
          "values": [
            "0"
          ],
          "timestamp": "23:43",
          "isoTimestamp": "2013-02-13T23:43:01,724"
        },
        {
          "values": [
            "0"
          ],
          "timestamp": "23:48",
          "isoTimestamp": "2013-02-13T23:48:01,724"
        },
        {
          "values": [
            "0"
          ],
          "timestamp": "23:53",
          "isoTimestamp": "2013-02-13T23:53:01,723"
        },
        {
          "values": [
            "2"
          ],
          "timestamp": "23:58",
          "isoTimestamp": "2013-02-13T23:58:01,724"
        }
      ]
    },
    "accumulator": {
      "id": "36",
      "name": "URL REQ 5m",
      "path": "RequestURIFilter.cumulated.REQ/5m/MILLISECONDS",
      "numberOfValues": 5,
      "lastValueTimestamp": "2013-02-13T23:58:01,724",
      "maxNumberOfValues": 0
    }
  }
}
```

### remove/{id}

Specify the id of accumulator to delete it.

Method	GET	
Parameters	id	path parameter
Example	<code>http://{{url}}:{{port}}/{{app}}/moskito-inspect-rest/accumulators/remove/18</code>	

Reply	<pre>{   "success": "true" }</pre>	
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### create - POST

Method	POST	
Parameters		see example
Example:	<pre>http://{{url}}:{{port}}/{{app}}/moskito-inspect-rest/accumulators/create {   "name": "TestAccumulator",   "producerId": "ThreadCount",   "interval": "1m",   "unit": "MILLISECONDS",   "statName": "ThreadCount",   "valueName": "current" }</pre>	
Reply	<pre>{   "success": true,   "results": {     "created": {       "id": "47",       "name": "TestAccumulator-3",       "path": "ThreadCount.ThreadCount.current/1m/MILLISECONDS",       "numberOfValues": 0,       "lastValueTimestamp": "none",       "maxNumberOfValues": 0     }   } }</pre>	

Note, if the name is already used, a new name is selected, which is old name plus **-number**.

### thresholds

Requests to the /thresholds/\* path are handled by net.anotheria.moskito.webui.threshold.resource.ThresholdResource.

The list of thresholds includes definitions and statuses.

### list

Method	GET	
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Reply

```
{
  "success": "true",
  "results": {
    "definitions": {
      "ThresholdDefinition": [
        {
          "id": "3",
          "name": "ThreadCount",
          "producerName": "ThreadCount",
          "statName": "ThreadCount",
          "valueName": "Current",
          "intervalName": "default",
          "descriptionString": "ThreadCount.ThreadCount.Current/default/MILLISECONDS",
          "timeUnit": "MILLISECONDS"
        },
        {
          "id": "1",
          "name": "PermGenFree",
          "producerName": "MemoryPool-PS Perm Gen-NonHeap",
          "statName": "MemoryPool-PS Perm Gen-NonHeap",
          "valueName": "Free",
          "intervalName": "1m",
          "descriptionString": "MemoryPool-PS Perm Gen-NonHeap.MemoryPool-PS Perm Gen-NonHeap.Free
/1m/MILLISECONDS",
          "timeUnit": "MILLISECONDS"
        },
        {
          "id": "2",
          "name": "OldGenFree",
          "producerName": "MemoryPool-PS Old Gen-Heap",
          "statName": "MemoryPool-PS Old Gen-Heap",
          "valueName": "Free",
          "intervalName": "1m",
          "descriptionString": "MemoryPool-PS Old Gen-Heap.MemoryPool-PS Old Gen-Heap.Free/1m
/MILLISECONDS",
          "timeUnit": "MILLISECONDS"
        }
      ]
    },
    "statuses": {
      "ThresholdStatus": [
        {
          "name": "ThreadCount",
          "colorCode": "green",
          "timestamp": "2015-02-10T01:28:14,974",
          "description": "ThreadCount.ThreadCount.Current/default/MILLISECONDS",
          "value": "23",
          "timestampInMillis": "1423528094974",
          "id": "3",
          "flipCount": "1"
        },
        ...
      ]
    }
  }
}
```

## definitions

Method	GET

Reply

```
{
  "success": "true",
  "results": {
    "definitions": {
      "ThresholdDefinition": [
        {
          "id": "3",
          "name": "ThreadCount",
          "producerName": "ThreadCount",
          "statName": "ThreadCount",
          "valueName": "Current",
          "intervalName": "default",
          "descriptionString": "ThreadCount.ThreadCount.Current/default/MILLISECONDS",
          "timeUnit": "MILLISECONDS"
        },
        {
          "id": "1",
          "name": "PermGenFree",
          "producerName": "MemoryPool-PS Perm Gen-NonHeap",
          "statName": "MemoryPool-PS Perm Gen-NonHeap",
          "valueName": "Free",
          "intervalName": "1m",
          "descriptionString": "MemoryPool-PS Perm Gen-NonHeap.MemoryPool-PS Perm Gen-NonHeap.
Free/1m/MILLISECONDS",
          "timeUnit": "MILLISECONDS"
        },
        {
          "id": "2",
          "name": "OldGenFree",
          "producerName": "MemoryPool-PS Old Gen-Heap",
          "statName": "MemoryPool-PS Old Gen-Heap",
          "valueName": "Free",
          "intervalName": "1m",
          "descriptionString": "MemoryPool-PS Old Gen-Heap.MemoryPool-PS Old Gen-Heap.Free/1m
/MILLISECONDS",
          "timeUnit": "MILLISECONDS"
        }
      ]
    }
  }
}
```

## statuses

Method	GET
Reply	<pre>{   "success": "true",   "results": {     "statuses": {       "ThresholdStatus": [         {           "name": "ThreadCount",           "colorCode": "green",           "timestamp": "2015-02-11T01:28:11,844",           "description": "ThreadCount.ThreadCount.Current/default/MILLISECONDS",           "value": "21",           "timestampInMillis": "1423614491844",           "id": "3",           "flipCount": "1"         },         ...       ]     }   } }</pre>

## alerts

Method	GET
Reply	<pre>{   "success": "true",   "results": {     "status": {       "ThresholdAlert": {         "id": "3",         "name": "ThreadCount",         "timestamp": "2015-02-11T01:28:11,850",         "oldStatus": "OFF",         "oldColorCode": "off",         "oldValue": "none yet",         "newStatus": "GREEN",         "newColorCode": "green",         "newValue": "14"       }     }   } }</pre>

## remove/{id}

Specify the id of threshold to delete it.

Method	GET	
Parameters	id	path parameter
Example	http://{{url}}:{{port}}/{{app}}/moskito-inspect-rest/thresholds/remove/2	
Reply	<pre>{   "success": "true" }</pre>	

## create - POST

### worstStatus

Returns the worst status of all thresholds. Takes no parameters.

Example output:

```
{
  "success": true,
  "results": {
    "status": "GREEN"
  }
}
```

## worstStatusForSelectedThresholds - POST

## producers

## categories

**subsystem**

**journeys**

**list GET**