

# Hidden features

## Hidden (or undocumented) features

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  - Select normalization parameter for accumulator charts
  - Select max values parameter for accumulator charts
  - Sorting of duplicates in Journeys
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Those features aren't hidden, because someone hides them, but simply because there is no *nice* frontend to activate them.

## Force interval update

in moskito-webui call

<http://host:port/context/mui/mskForceIntervalUpdate?pInterval=<name>> to force an interval update.  
example: <http://host:port/context/mui/mskForceIntervalUpdate?pInterval=5m>

## Select normalization parameter for accumulator charts

If you place multiple accumulators on a single chart you have the normalization option (checkbox).

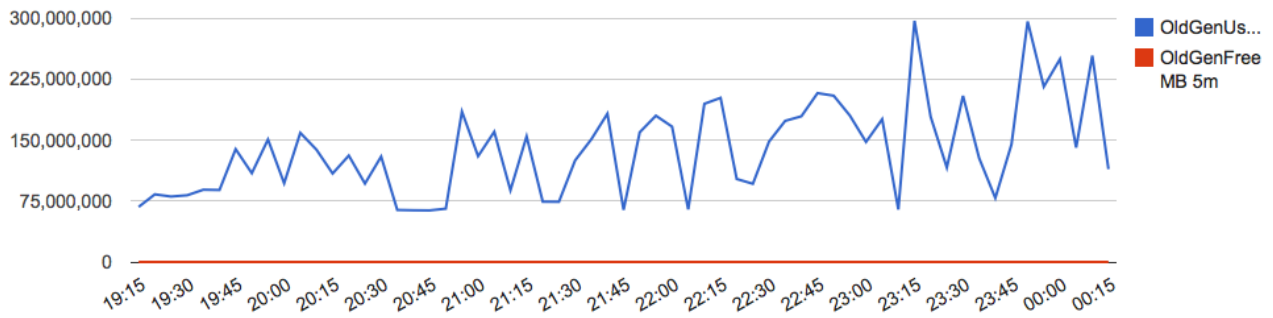
Accumulators		Name	Path	Values	Last Timestamp
<input type="checkbox"/>	OldGenFree 1m	MemoryPool-PS Old Gen-Heap.MemoryPool-PS Old Gen-Heap.Free/1m/MILLISECONDS	219	2011-04-29T00:13:57,203	
<input checked="" type="checkbox"/>	OldGenFree 5m	MemoryPool-PS Old Gen-Heap.MemoryPool-PS Old Gen-Heap.Free/5m/MILLISECONDS	60	2011-04-29T00:10:57,205	
<input type="checkbox"/>	OldGenFree MB 1m	MemoryPool-PS Old Gen-Heap.MemoryPool-PS Old Gen-Heap.Free MB/1m/MILLISECONDS	219	2011-04-29T00:13:57,203	
<input type="checkbox"/>	OldGenFree MB 5m	MemoryPool-PS Old Gen-Heap.MemoryPool-PS Old Gen-Heap.Free MB/5m/MILLISECONDS	60	2011-04-29T00:10:57,205	
<input type="checkbox"/>	OldGenUsed 1m	MemoryPool-PS Old Gen-Heap.MemoryPool-PS Old Gen-Heap.Used/1m/MILLISECONDS	219	2011-04-29T00:13:57,203	
<input type="checkbox"/>	OldGenUsed 5m	MemoryPool-PS Old Gen-Heap.MemoryPool-PS Old Gen-Heap.Used/5m/MILLISECONDS	60	2011-04-29T00:10:57,205	
<input type="checkbox"/>	OldGenUsed MB 1m	MemoryPool-PS Old Gen-Heap.MemoryPool-PS Old Gen-Heap.Used MB/1m/MILLISECONDS	219	2011-04-29T00:13:57,203	
<input type="checkbox"/>	OldGenUsed MB 5m	MemoryPool-PS Old Gen-Heap.MemoryPool-PS Old Gen-Heap.Used MB/5m/MILLISECONDS	60	2011-04-29T00:10:57,205	
<input type="checkbox"/>	PermGenFree 1m	MemoryPool-PS Perm Gen-NonHeap.MemoryPool-PS Perm Gen-NonHeap.Free/1m/MILLISECONDS	219	2011-04-29T00:13:57,203	
<input type="checkbox"/>	PermGenFree 5m	MemoryPool-PS Perm Gen-NonHeap.MemoryPool-PS Perm Gen-NonHeap.Free/5m/MILLISECONDS	60	2011-04-29T00:10:57,205	
<input type="checkbox"/>	Random1-AVG-1m	Random1.cumulated.AVG/1m/MILLISECONDS	219	2011-04-29T00:13:57,204	
<input type="checkbox"/>	Random1-AVG-5m	Random1.cumulated.AVG/5m/MILLISECONDS	60	2011-04-29T00:10:57,205	
<input type="checkbox"/>	Random1-REQ-1m	Random1.cumulated.REQ/1m/MILLISECONDS	219	2011-04-29T00:13:57,203	
<input type="checkbox"/>	Random1-REQ-5m	Random1.cumulated.REQ/5m/MILLISECONDS	60	2011-04-29T00:10:57,205	
<input type="checkbox"/>	Random2-AVG-1m	Random2.cumulated.AVG/1m/MILLISECONDS	219	2011-04-29T00:13:57,204	
<input type="checkbox"/>	Random2-AVG-5m	Random2.cumulated.AVG/5m/MILLISECONDS	60	2011-04-29T00:10:57,205	
<input type="checkbox"/>	Random2-REQ-1m	Random2.cumulated.REQ/1m/MILLISECONDS	219	2011-04-29T00:13:57,203	
<input type="checkbox"/>	Random2-REQ-5m	Random2.cumulated.REQ/5m/MILLISECONDS	60	2011-04-29T00:10:57,205	
<input type="checkbox"/>	Random3-AVG-1m	Random3.cumulated.AVG/1m/MILLISECONDS	219	2011-04-29T00:13:57,204	
<input type="checkbox"/>	Random3-AVG-5m	Random3.cumulated.AVG/5m/MILLISECONDS	60	2011-04-29T00:10:57,205	
<input type="checkbox"/>	Random3-REQ-1m	Random3.cumulated.REQ/1m/MILLISECONDS	219	2011-04-29T00:13:57,204	
<input type="checkbox"/>	Random3-REQ-5m	Random3.cumulated.REQ/5m/MILLISECONDS	60	2011-04-29T00:10:57,205	

normalize

This is useful if the values of the both lines have a huge difference and are not presentable on a single chart. Example:

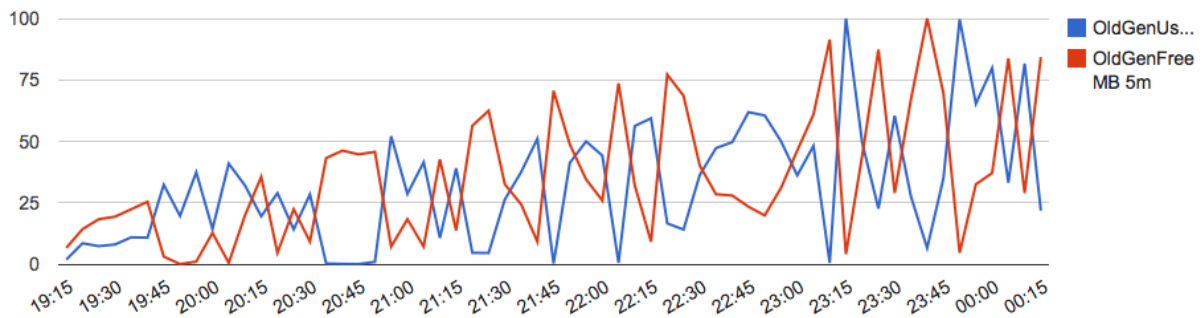
without normalization:

Chart for OldGenUsed 5m OldGenFree MB 5m



with normalization

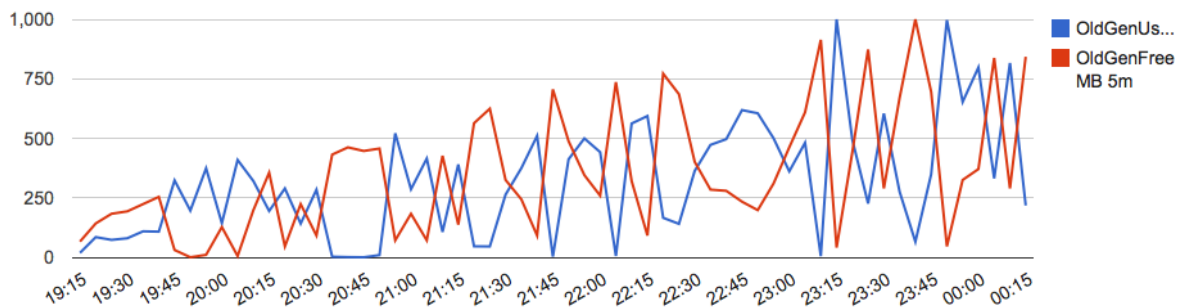
Chart for OldGenUsed 5m OldGenFree MB 5m



Now the default range which is used for normalization is 0:100. However, you can specify the normalization base parameter (by simply applying **&normalizeBase=<value>** to the url) to select another value

settings normalization base to another value:

Chart for OldGenUsed 5m OldGenFree MB 5m



## Select max values parameter for accumulator charts

Sometimes less is more and therefore (poetic, huh? 😊) you can select another max number of presented values in accumulator by simply submitting **maxValues** parameter in the url. The default is *as much as there are* which is 200 to 220.

## Sorting of duplicates in Journeys

In the journey call presentation the duplicate calls are recognized and presented (since 1.4.7). The default sorting for the duplicates is ascending by call name. However, it is possible to change it via url parameter:

[http://localhost:8080/moskitodemo/mui/mSkShowJourneyCall?pJourneyName=JOURNEY\\_NAME&pPos=0&pSortBy=1&pSortOrder=ASC](http://localhost:8080/moskitodemo/mui/mSkShowJourneyCall?pJourneyName=JOURNEY_NAME&pPos=0&pSortBy=1&pSortOrder=ASC)

### Parameters

Parameter name	Value	Default
pSortBy	1-4	1
pSortOrder	ASC/DESC	ASC

### Options to sort by

SortBy Value	Corresponding value
1	call alphanumerical
2	number of repetitions
3	timespent in calls (netto duration)
4	duration in calls (brutto duration)

## Thread History Features

### Start a test thread

Call url: **mSkThreadsStartTestThread** to start a new thread that sleep of an amount of time, which is slightly bigger than the history update. This is 1 minute per default.

### Set the number of elements in the history

Call url **mSkThreadsSetHistoryListSize?pSize=<new size>** to set the history size. Default is 1000 elements. Beware, that too big history eats up all memory.