

counterRest API Documentation

Introduction

The API is built to cater to multiple parallel threads and increment a number field in the database corresponding to each thread.

Method and Base URL

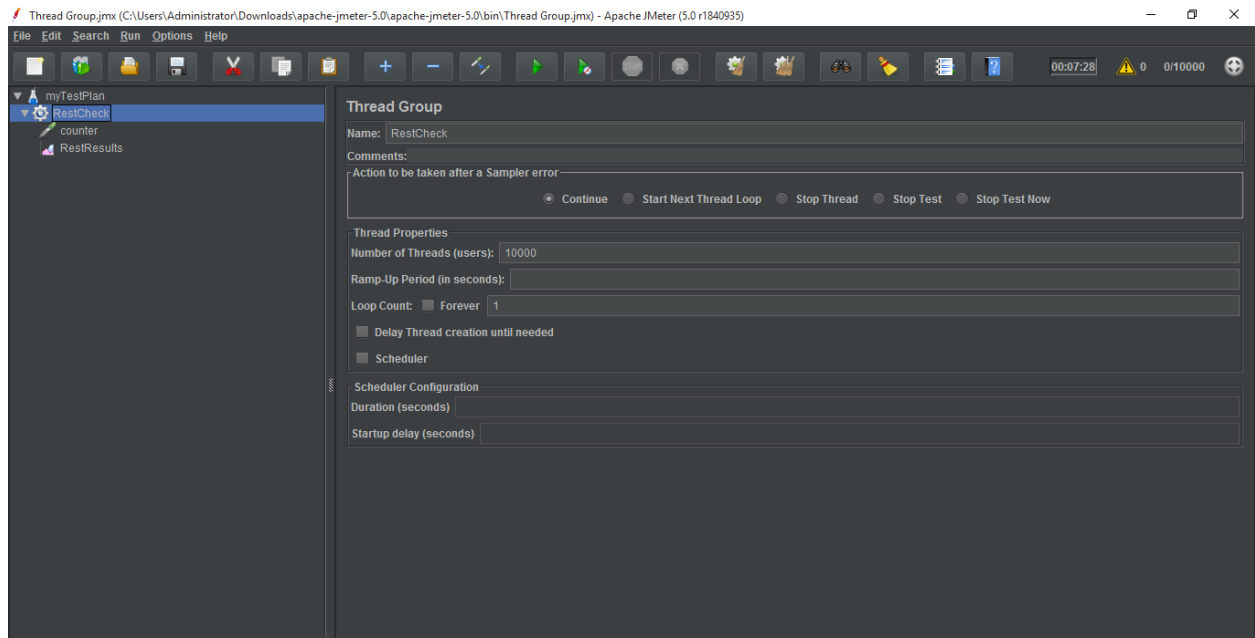
You must always **POST** to all counterRest API endpoints. The base URL is
HTTP://<ServerName or IP(localhost)> : <Port number(8080)> /counter/incrementcounter
Eg- <http://localhost:8080/counter/incrementcounter>

Response

The response consists of the String -
“success for number < xxx>” where xxx points to the value of the counter in the database corresponding to thread.

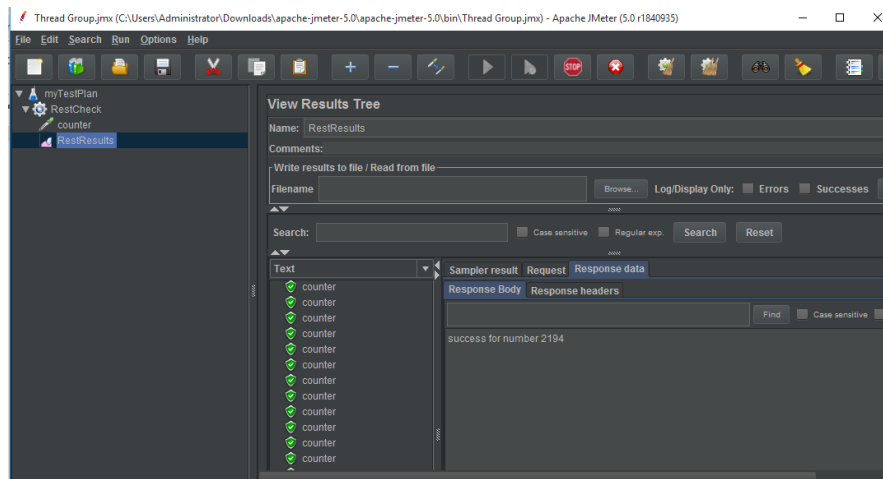
Steps to configure

1. Create a table ‘number’ in any database with fields as:
 1. Id (integer) (primary key)
 2. num(integer)
2. Insert values as 1 in Id and 0 in num.
3. Now import the project in any IDE and build it by maven giving command
Mvn : clean install
4. Install the EAR built onto the server.
5. Now install Jmeter and open the file Thread Group.jmx into it.
6. Once the myTestPlan is imported, enter the number of threads to be hit on the API (eg- 10000) and click the green ‘play’ button to start the execution.
As-



Expected Result

As the API is hit, the response data is seen in the **RestResults** tab as :



Thus the String result shows:

success for number 2194

Where 2194 is the number incremented corresponding to the thread.

Further the database would finally reflect changes as:

Resultset 1

SQL Query Area

1

update test.number set num=0 where id = 1;

2

SELECT * FROM test.number n;

<

>

	id	num
1 row fetched in 0.0011s (0.0001s)		
	1	10000

Edit

Apply Changes

Discard Changes

First

Last

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