

RSB Performance Test API - Tasks #2401

Related work search

09/23/2015 02:02 PM - J. Wienke

Status:	Closed	Start date:	09/23/2015
Priority:	Normal	Due date:	
Assignee:	H. Oestreich	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	0.1		
Description			
e.g. https://japex.java.net/			

History

#1 - 10/09/2015 04:12 PM - H. Oestreich

I don't really think the Japex Framework would be really helpfull for our testcase.

In the following bachelor thesis some wrote a testbench to evaluate the real-time capabilities of ROS.

<http://www.bmw-carit.com/downloads/publications/ValidatingTheRealTimeCapabilitiesOfTheROSCommunicationMiddleware.pdf>

This seems to be a bit similar. I took a look at the repo where the c++ implementation is hosted:

https://github.com/bmwcarit/ros_realtime_tests

But it does not give information about a concrete framework which we can use as well.

#2 - 10/09/2015 04:12 PM - H. Oestreich

- % Done changed from 0 to 50

#3 - 10/13/2015 04:47 PM - J. Wienke

Ok, I also looked around a bit and found these frameworks:

- <https://jmeter.apache.org/>
- <http://grinder.sourceforge.net/>
- <https://blazemeter.com/blog/open-source-load-testing-tools-which-one-should-you-use>
- <https://scalameter.github.io/> (maybe a good inspiration for an API)
- <http://clif.ow2.org/>

Could you please have a look at these frameworks and

- find out interesting ideas and concepts that they realize which might be nice to use in our own software
- find out whether it might be worth a try to integrate into these frameworks directly. Maybe some of these "just" need an RSB-adapter?

#4 - 10/15/2015 05:50 PM - H. Oestreich

- Status changed from New to Closed

- % Done changed from 50 to 100

I had a look at the frameworks Johannes mentioned but none of them seems to be a really good choice for us.

They focus a lot on measuring the results and none of them provided a simple example for data generation and plugin development (which would suite our needs).

Spoke with Johannes and we will just keep on developing our own stuff for the time being.

