

RSBag - Bug #1937

Connection refused issues

08/13/2014 06:03 PM - J. Wienke

Status:	Resolved	Start date:	08/13/2014
Priority:	High	Due date:	
Assignee:	J. Moringen	% Done:	100%
Category:	Python Client API	Estimated time:	0.00 hour
Target version:	rsb-0.13		

Description

It seems the waiting time for the bag binary is too low when using the python API. I constantly receive connect refused errors.

I think a good solution for making this reliable is to let the binary output a ready-message to the stdout one the RSB communication is available. The python library can wait for this message before establishing the connection.

Associated revisions

Revision 6ce7bc1f - 09/04/2015 10:03 AM - J. Wienke

Reliably synchronize with called bag process

Use the newly implemented features of the rsbag binary to synchronize the creation of the socket server as well as the required RSB participants to control the bag process so that the python client code exactly knows from the bag output when a connection can be established.

This change requires a new version of the rsbag binary. Older version will now fail the creation of a bag instance.

fixes #1937

Revision a522a568 - 09/05/2015 05:36 PM - J. Moringen

Mention fixed rsbag-python -> rsbag play connection in news.rst

refs #1937

- news.rst (RSBag 0.13): mention fixed hacks and races in connection from rsbag-python client API library to rsbag play server

History

#1 - 08/13/2014 06:18 PM - J. Moringen

It seems the waiting time for the bag binary is too low when using the python API. I constantly receive connect refused errors.

Does every attempt result in that error or does it only happen sometimes?

In the latter case, the general problem is that the rsbag binary provides the server for the communication. Otherwise we could use an event-based protocol to indicate readiness. As a consequence, maybe the client should act as server. Then the rsbag binary could send a readiness indication

event immediately after connecting.

#2 - 08/13/2014 06:54 PM - J. Wienke

Happens every second time or so.

Both solutions should work. I am not sure about the performance of the python server since for batch processing getting the maximum speed should be desirable.

#3 - 08/15/2014 04:23 AM - J. Moringen

- *Subject changed from Connection refues issues to Connection refused issues*

#4 - 09/01/2015 11:31 AM - J. Wienke

I am experiencing this again. Locally, I can increase the timeout, but having a more reliable solution would be much better.

#5 - 09/01/2015 12:02 PM - J. Moringen

- *Priority changed from Normal to High*

Other user experience these problems as well.

@Johannes: do you have time to try and come up with a proper solution?

#6 - 09/02/2015 01:14 PM - J. Wienke

- *Status changed from New to In Progress*

- *Target version set to rsb-0.13*

- *% Done changed from 0 to 60*

I have commits to fix the issue as discussed orally. Once the bag binary is adapted in the master version, I can push these changes.

#7 - 09/04/2015 10:10 AM - J. Wienke

- *Status changed from In Progress to Resolved*

- *% Done changed from 60 to 100*

Applied in changeset commit:rsbag-python|6ce7bc1f8bcb461a53be2d5e8656006e085a4506.