

Robotics Service Bus - Bug #1614

rsb-loggercl0.10 (installed in toolkit-nightly) crashes on start

09/05/2013 01:52 PM - C. Emmerich

Status:	Resolved	Start date:	09/05/2013
Priority:	High	Due date:	
Assignee:	J. Moringen	% Done:	90%
Category:		Estimated time:	0.00 hour
Target version:			
Description			
When starting the rsb-loggercl0.10			
<pre>/vol/toolkit/nightly/x86_64/bin/rsb-loggercl0.10 spread://localhost:4803</pre>			
it crashes with			
While computing the class precedence list of the class named HOOKS:OBJECT-HOOK.			
The class named HOOKS::INTERNAL-COMBINATION is a forward referenced class.			
The class named HOOKS::INTERNAL-COMBINATION is a direct superclass of the class named HOOKS:OBJECT-HOOK.			

History

#1 - 09/05/2013 02:13 PM - C. Emmerich

Interestingly, when downloading tools-trunk from ci-server (https://ci.cor-lab.de/job/rsb-tools-ci-trunk/label=ubuntu_precise_64bit/) it works.

#2 - 09/05/2013 03:01 PM - J. Moringen

- Status changed from New to Feedback

- Priority changed from Normal to High

I thought, I fixed this yesterday (it is/was caused by an outdated library). Also, I cannot reproduce the problem with the currently installed binary. When did you experience the problem? Does it still persist?

#3 - 09/06/2013 03:26 PM - C. Emmerich

As I said, the installed rsb-loggercl0.10 did not work yesterday. But when downloading the ci-tools0.10 from the ci-server, it worked. Currently, I cannot test it, because in

```
/vol/toolkit/nightly/x86_64/successful/bin
```

there aren't any links created yet for the tools. There is just the rsb-toolscl0.10 binary which proposes to create links, but of course the user has no permission to do so in the toolkit. (I assume that this is the reason that create-links is not working in the toolkit, although the error-message for me is not understandable:

```
0: ((LAMBDA NIL :IN SB-DEBUG::FUNCALL-WITH-DEBUG-IO-SYNTAX))
```

```

1: (SB-IMPL::CALL-WITH-SANE-IO-SYNTAX #<CLOSURE (LAMBDA NIL :IN SB-DEBUG::FUNCCALL-WITH-DEBUG-IO-SYNTAX)
{1007DCBE2B}>)
2: (SB-IMPL::%WITH-STANDARD-IO-SYNTAX #<CLOSURE (LAMBDA NIL :IN SB-DEBUG::FUNCCALL-WITH-DEBUG-IO-SYNTAX)
{1007DCBDFB}>)
3: (PRINT-BACKTRACE :STREAM #<SYNONYM-STREAM :SYMBOL SB-SYS:*STDERR* {10002147A3}> :START 0 :FROM
:INTERRUPTED-FRAME :COUNT NIL :PRINT-THREAD T :PRINT-FRAME-SOURCE NIL :METHOD-FRAME-STYLE NIL)
4: (SB-DEBUG::DEBUGGER-DISABLED-HOOK #<SB-POSIX:SYSCALL-ERROR {1007DC88B3}> #<unavailable argument>)
5: (SB-DEBUG::RUN-HOOK *INVOKE-DEBUGGER-HOOK* #<SB-POSIX:SYSCALL-ERROR {1007DC88B3}>)
6: (INVOKE-DEBUGGER #<SB-POSIX:SYSCALL-ERROR {1007DC88B3}>)
7: (ERROR SB-POSIX:SYSCALL-ERROR :NAME SB-POSIX:SYMLINK :ERRNO 13)
8: (SB-POSIX:SYSCALL-ERROR SB-POSIX:SYMLINK)
9: (RSB.TOOLS.MAIN::%MAYBE-CREATE-LINK "rsb-toolscl0.10" "info" NIL NIL)
10: (RSB.TOOLS.MAIN::%MAYBE-CREATE-LINKS "rsb-toolscl0.10" NIL NIL)
11: ((FLET #:WITHOUT-INTERRUPTS-BODY-54 :IN SAVE-LISP-AND-DIE))
12: ((LABELS SB-IMPL::RESTART-LISP :IN SAVE-LISP-AND-DIE))
)

```

When, as a work-around, trying to use the creat-links option with an PREFIX like

```
/vol/toolkit/nightly/x86_64/successful/bin/rsb-toolscl0.10 create-links ~/Downloads/mylinkprefix-
```

this doesnt really work since the links are create only locally:

WARNING:

```

Failed to load Spread library: Unable to load any of the alternatives:
("libspread-without-signal-blocking.so" "libspread.so" "libspread.so.2"
"libspread.so.2.0" "libspread.so.1").

```

Spread functionality will not be available.

```

Creating symbolic link /homes/cemmeric/Downloads/mylinkprefix-info ->
rsb-toolscl0.10

```

```

Creating symbolic link /homes/cemmeric/Downloads/mylinkprefix-logger ->
rsb-toolscl0.10

```

```

Creating symbolic link /homes/cemmeric/Downloads/mylinkprefix-call ->
rsb-toolscl0.10

```

```

Creating symbolic link /homes/cemmeric/Downloads/mylinkprefix-send ->
rsb-toolscl0.10

```

```
la ~/Downloads/
```

```

lrwxrwxrwx 1 cemmeric corstaff 15 Sep 6 15:03 mylinkprefix-call -> rsb-toolscl0.10
lrwxrwxrwx 1 cemmeric corstaff 15 Sep 6 15:03 mylinkprefix-info -> rsb-toolscl0.10
lrwxrwxrwx 1 cemmeric corstaff 15 Sep 6 15:03 mylinkprefix-logger -> rsb-toolscl0.10
lrwxrwxrwx 1 cemmeric corstaff 15 Sep 6 15:03 mylinkprefix-send -> rsb-toolscl0.10

```

so they dont point to the toolkit.

However, I asked Sebastian to create the links (since he has the right permissions to do so) and now the result is:

```
/vol/toolkit/nightly/x86_64/successful/bin/logger spread://localhost:4803
```

WARNING:

Failed to load Spread library: Unable to load any of the alternatives:
("libspread-without-signal-blocking.so" "libspread.so" "libspread.so.2"
"libspread.so.2.0" "libspread.so.1").
Spread functionality will not be available.

Failed to participate in the channel designated by #<RSB:SCOPE / ! {1008A029B3}> using transport configuration

+ Spread transport with options

:HOST : "localhost", :PORT : 4803, :EXPOSE : (:RSB.TRANSPORT.WIRE-SCHEMA
:RSB.TRANSPORT.PAYLOAD-SIZE), RSB:&INHERIT

Caused by:

> Failed to construct SPREAD connector for direction IN-PULL with options

> HOST : "localhost",

> PORT : 4803,

> EXPOSE : (:RSB.TRANSPORT.WIRE-SCHEMA :RSB.TRANSPORT.PAYLOAD-SIZE),

> HOST : "localhost",

> PORT : "4803".

> Caused by:

>> Attempt to call an undefined alien function.

Ok, I thought this was no longer an issue in the toolkit, but I know how to circumvent this:

```
LD_LIBRARY_PATH=/vol/toolkit/nightly/x86_64/successful/lib/ /vol/toolkit/nightly/x86_64/successful/bin/logger spread://localhost:4803
```

and this finally worked.

Long story short: I think there are still some issues with the deployment (that's why I listed them here for you), but the original error who caused me to create this redmine-issue seems to be fixed.

#4 - 09/06/2013 03:46 PM - J. Moringen

Thanks for the detailed report. And sorry for the trouble. That's the fate of testers, I'm afraid. Also, it doesn't help that we are still changing things rapidly at moment.

*As I said, the installed rsb-loggercl0.10 did not work yesterday. But when downloading the cl-tools0.10 from the ci-server, it worked. Currently, I cannot test it, because in
[...]
there aren't any links created yet for the tools. There is just the rsb-toolscl0.10 binary which proposes to create links, but of course the user has no permission to do so in the toolkit. (I assume that this is the reason that create-links is not working in the toolkit, although the error-message for me is not understandable:
[...]*

Yes, that's a permission problem. And the whole deployment method has changed twice since your previous report :)

I believe that the link creation should be fixed after the next successful toolkit build (and deployment). I'm running a build now to see whether it works.

*When, as a work-around, trying to use the creat-links option with an PREFIX like
[...]
this doesnt really work since the links are create only locally:
[...]*

| *so they dont point to the toolkit.*

Yeah ... that's not what is meant by prefix in that context. It refers to the string-prefix meaning, not the directory-prefix meaning: the created links are of the form PREFIXTOOLNAMESUFFIX, are created in the current directory and also link to the current directory. Cross-directory linking is not supported.

I hope to change the mechanism to rsbcl0.10 logger OPTIONS, rsbcl0.10 send OPTIONS, ... instead of rsb-loggercl0.10 OPTIONS, rsb-sendcl0.10 OPTIONS, ... soon, like in git or svn. All the symlinking problems, which are a PITA for everyone, will be gone then.

| *However, I asked Sebastian to create the links (since he has the right permissions to do so) and now the result is:*

| *[...]*

| *Ok, I thought this was no longer an issue in the toolkit, but I know how to circumvent this:*

| *[...]*

| *and this finally worked.*

You are right: use of LD_LIBRARY_PATH should no longer be necessary. This should be fixed after the next successful toolkit build and deployment.

| *Long story short: I think there are still some issues with the deployment (that's why I listed them here for you), but the original error who caused me to create this redmine-issue seems to be fixed.*

Yes, the original issue should be fixed. Thanks again for the report.

#5 - 09/06/2013 06:19 PM - J. Moringen

- % Done changed from 0 to 90

I re-built and -deployed the toolkit and, as far as I can tell, the issues are resolved now. Please confirm.

#6 - 09/09/2013 03:52 PM - J. Moringen

@Christian: does the problem still persist?

#7 - 09/09/2013 03:57 PM - C. Emmerich

- Status changed from Feedback to Resolved

No. Seems to be fixed.