

RSBag - Bug #2638

Error: channel already exists in bag

08/01/2016 01:12 PM - J. Wienke

Status:	Resolved	Start date:	08/01/2016
Priority:	Normal	Due date:	
Assignee:		% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	rsb-0.15		

Description

Seems while recording performance tests using the most recent rsbag version.

```
<WARN> [13:10:41] [main thread] rsb.introspection variables.lisp (call-with-local-database with-recursive-lock-thunk) - Condition
```

The channel

```
#<SYNCHRONIZED-CHANNEL "/__rsb/introspection/participants/:.rsb.protocol.introspection.Hello" (0) (RSB-EVENT-0.9 .rsb.protocol.introspection.Hello)
```

```
{100C778343}>
```

```
already exists in bag #<SYNCHRONIZED-BAG "logger-compact-Mon Aug 01 13:10:28 CEST 2016.tide" -w (3)
```

```
{100B6C4313}>.
```

Ignore the failure to RSB.EVENT-PROCESSING:DISPATCH datum

```
#<EVENT
```

```
/__rsb/introspection/participants/C350B3EA-8A87-4710-A962-32DAD6A6B784/
```

```
 #(10 8 108 105 115 116 101 110 101 114 18 16 195 80 179 234 138 135 71 16 169 98 50 218 214 166 183 132 34 1 47 42 1 84 50 62 115 111 99 107 101 116 58 47 47 108 111 99 97 108 104 111 115 116 58 53 53 53 53 53 47 35 67 51 ... ) (414) FA783AF8>
```

in

```
#<#<STANDARD-CLASS
```

```
"(RSB.EVENT-PROCESSING:ERROR-POLICY-HANDLER-MIXIN
```

```
RSB.EVENT-PROCESSING:RESTART-HANDLER-MIXIN RSB.EVENT-PROCESSING:RESTART-DISPATCHER-MIXIN
```

```
RSB.EVENT-PROCESSING:FILTERING-PROCESSOR-MIXIN RSB.EVENT-PROCESSING:DELIVER-TIMESTAMP-MIXIN
```

```
RSB.EVENT-PROCESSING:BROADCAST-PROCESSOR RSB.EVENT-PROCESSING:ERROR-POLICY-MIXIN)"
```

```
{100DC55733}>
```

```
{100DCEA3B3}>.
```

Associated revisions

Revision 087be5ae - 08/01/2016 05:52 PM - J. Moringen

Improved if-does-not-exist parameter of bag-channel in src/{protocol,bag}.lisp

refs #2638

- src/protocol.lisp (bag-channel): adapted description of if-does-not-exist keyword parameter
- src/bag.lisp (bag-channel bag string): use `error-behavior-restart-case' to handle the if-does-not-exist argument
- test/bag.lisp (test bag-root::bag-channel): new test; Smoke test for the `bag-channel' method on the `bag' class

Revision 62e299e6 - 08/01/2016 05:56 PM - J. Moringen

Allow atomic creation of non-existing channels in src/bag.lisp

Previously, ensuring the existence of a channel could only be done as

```
(unless (bag-channel ... :if-does-not-exist nil)
  (setf (bag-channel ...) ...))
```

which is racy. Ensuring the existence of a channel can now be performed atomically via

```
(bag-channel ... :if-does-not-exist (lambda (...)
  (invoke-restart 'create ...)))
```

fixes #2638

- src/protocol.lisp (bag-channel): mention `create' restart in documentation string
- src/bag.lisp (add-channel): new helper function for creating a channel (bag-channel bag string): establish `create' restart; use `add-channel' (setf bag-channel list bag string): use `add-channel'
- src/package.lisp (package rsbag): added exported symbol create
- src/rsb/protocol.lisp (make-channel-for): adapted documentation string
- src/rsb/channel-strategies.lisp (**name**): removed; no longer needed (ensure-channel-for channel-connection event ensure-channel-mixin): use `create' restart in case the channel does not exist (make-channel-for participant-channel-connection event ensure-channel-mixin): return meta-data and transform as two values instead of creating the channel
- test/bag.lisp (test bag-root::bag-channel): use `create' restart

Revision f0d061dc - 08/01/2016 06:06 PM - J. Moringen

Fixed name clash in bag-{cat,info}/package.lisp

refs #2638

- bag-cat/package.lisp (package rsbag.tools.cat): added shadowing-import-form rsb.formatting symbol create
- bag-info/package.lisp (package rsbag.tools.info): likewise

History

#1 - 08/01/2016 04:28 PM - J. Wienke

- Subject changed from *Warning about channel already existing* to *Error: channel already exists in bag*

This also happens with this older version:

```
rsbag record version 0.14.9-g632ea9d
```

SBCL version 1.3.5.40-2024ed9
RSB version 0.14.54-ga045934
RSBAG version 0.14.6-g3f6fa4c
RSBAG-TIDELOG version 0.14.6-g3f6fa4c

#2 - 08/01/2016 06:40 PM - J. Moringen

- *Status changed from New to Resolved*

- *% Done changed from 0 to 100*

Applied in changeset commit:rsbag-cl|62e299e61a0dcf31cd2c36bb9bb1e7b7f9b1e489.