

RSBag - Bug #2353

bag info: Rate is sometimes printed as fraction

07/24/2015 03:28 PM - J. Wienke

Status:	Resolved	Start date:	07/24/2015
Priority:	Normal	Due date:	
Assignee:	J. Moringen	% Done:	100%
Category:	Commandline Tools	Estimated time:	0.00 hour
Target version:	rsb-0.15		
Description			
For some channels. the rate is printed as a fraction, not as a number, e.g.:			
Rate : 25/124			
Related issues:			
Related to RSBag - Bug # 2352: bag info: Durations contain 'd0' at the end		Resolved	07/24/2015

Associated revisions

Revision 988fc7e0 - 06/14/2016 01:34 PM - J. Moringen

Builder-based formatting style in src/commands/info.lisp

fixes #2353, fixes #2352, refs #2351

- src/commands/info.lisp (header): updated copyright
- (bag-style-tree): new class
- (**stream**): new special variable; used by `format-event' method
- (format-event bag bag-style-tree t): new method; format bag and channel information in a textual tree using a provided builder traversal and computed properties
- (info::print-format): changed :no -> nil in type
- (command-execute info): construct a `bag-style-tree' instance and use it in `format-event'
- bag-info/main.lisp (main): translate print-format value :no to nil for :print-format initarg of `info' command
- rsbag-tools-commands.asd (system rsbag-tools-commands): added system dependency on rsbag-builder

History

#1 - 07/24/2015 03:37 PM - J. Moringen

- Related to Bug #2352: bag info: Durations contain 'd0' at the end added

#2 - 07/24/2015 03:43 PM - J. Moringen

J. Wienke wrote:

For some channels. the rate is printed as a fraction, not as a number, e.g.:

Fractions (of integers) are (rational) numbers :)

This happens when the duration is an integer (the number of events is always an integer). Dividing the two integers results in a rational number. For rates, this is arguably the correct behavior since rates are often rationals that cannot be represented exactly as floating point numbers (hence the custom rational number type in GStreamer).

Would it be better for your use-case to force everything to e.g. double float and print with eNN suffix (to address #2352 as well)?

#3 - 07/24/2015 03:48 PM - J. Wienke

This might be true from a theoretical point of view but:

- It makes automatic parsing hard
- Users probably never have seen these suffixes

So I really don't mind whether the rate represented as floating point is off by a tiny fraction, as long as I have a consistent output format.

#4 - 03/02/2016 09:49 AM - J. Moringen

- Target version changed from *rsb-0.13* to *rsb-0.14*

#5 - 04/17/2016 07:51 PM - J. Moringen

- Subject changed from *Rate is sometimes printes as fraction for bag info* to *Rate is sometimes prints as fraction for bag info*

#6 - 06/08/2016 09:01 PM - J. Moringen

- Target version changed from *rsb-0.14* to *rsb-0.15*

#7 - 06/12/2016 03:31 PM - J. Moringen

- Subject changed from *Rate is sometimes prints as fraction for bag info* to *bag info: Rate is sometimes printed as fraction*

#8 - 06/14/2016 01:40 PM - J. Moringen

- Status changed from *New* to *Resolved*

- % Done changed from *0* to *100*

Applied in changeset commit:rsbag-tools-cl|988fc7e008ac9f01311257f887ae59a9a079932c.