

RSBag - Enhancement #817

bag play, cat: Handle multiple log files

01/21/2012 03:29 AM - J. Moringen

Status:	Resolved	Start date:	01/21/2012
Priority:	Normal	Due date:	
Assignee:	J. Moringen	% Done:	100%
Category:	Commandline Tools	Estimated time:	0.00 hour
Target version:	rsb-0.16		

Description

Currently, when multiple log files should be processed in synchronized way, it is required to produce a merged and synchronized intermediate file via bag-merge. bag-play or bag-cat then operates on the merged file.

This step could be avoided if bag-play and bag-cat could do on-the-fly synchronization of multiple log files as bag-merge does.

Would this be useful?

Associated revisions

Revision 6f687b57 - 12/07/2015 03:00 PM - J. Moringen

Pass all input files to bag->events in src/commands/*.lisp

refs #817

- src/commands/introspect.lisp (command-execute): pass all input files to `bag->events' instead of just the first
- src/commands/cat.lisp (command-execute cat): likewise
- src/commands/play.lisp (command-execute): likewise

Revision da486e6a - 12/08/2015 10:00 AM - J. Moringen

Preparation for multiple-file support in bag->events in src/rsb/construction.lisp

refs #817

- src/rsb/construction.lisp (bag->events sequence t): new method; will later allow opening multiple sources (bag->events channel string): changed specializer t -> channel
- test/rsb/protocol.lisp (test bag->events-root::smoke): added cases with sequences of sources

Revision 2739d05b - 03/28/2017 10:40 AM - J. Moringen

Added composite-connection-mixin in src/rsb/**/*.lisp

refs #817

- src/rsb/protocol.lisp (connection-direct-connections): new generic function; return a list of child connections

- (connection-connections): new generic function; return certain ancestor connections
- (connection-direct-connections t): new method; default behavior consists in not returning any children
- (connection-connections t): new method; default behavior consists in traversing and collecting children according to keyword arguments
- src/rsb/bag-connection.lisp (composite-connection-mixin): new class; mixin for connections with child connections
- (shared-initialize :after composite-connection-mixin t): changed specializer bag-connection -> composite-connection-mixin
- (setf processor-error-policy :before t composite-connection-mixin): likewise
- (close composite-connection-mixin): likewise
- (wait composite-connection-mixin): likewise
- (start composite-connection-mixin): likewise
- (stop composite-connection-mixin): likewise
- (print-items append composite-connection-mixin): likewise
- (bag-connection): added superclass `composite-connection-mixin'
- (bag-connection::channels): removed slot; provided by `composite-connection-mixin'
- (start :after recording-bag-connection): use `connection-connections' instead of `connection-channels'
- src/rsb/package.lisp (package rsbag.rsb): added exported symbols connection-direct-connections and connection-connections
- src/rsb/recording/channel-connections.lisp
- (process-event recording-bag-connection timestamp t): use `connection-connections' instead of `connection-channels'
- (print-items recording-channel-connection): adapted to renamed print items
- src/rsb/recording/construction.lisp (events->bag sequence bag): adapted to changed initargs
- (events->bag null bag): likewise
- src/rsb/replay/util.lisp (inject-informer): use `connection-connections' instead of `connection-channels'
- src/rsb/replay/strategy-mixins.lisp
- (make-view t view-creation-mixin): changed specializer replay-bag-connection -> t; use `connection-connections' instead of `connection-channels'
- src/rsb/replay/construction.lisp (bag->events bag t): adapted to changed initargs

Revision 7065ca1b - 03/28/2017 11:04 AM - J. Moringen

Added composite-connection-mixin in src/rsb/**/*lisp

refs #817

- src/rsb/protocol.lisp (connection-direct-connections): new generic function; return a list of child connections
- (connection-connections): new generic function; return certain ancestor connections
- (connection-direct-connections t): new method; default behavior

- consists in not returning any children
- (connection-connections t): new method; default behavior consists in traversing and collecting children according to keyword arguments
- src/rsb/bag-connection.lisp (composite-connection-mixin): new class; mixin for connections with child connections
- (shared-initialize :after composite-connection-mixin t): changed specializer bag-connection -> composite-connection-mixin
- (setf processor-error-policy :before t composite-connection-mixin): likewise
- (close composite-connection-mixin): likewise
- (wait composite-connection-mixin): likewise
- (start composite-connection-mixin): likewise
- (stop composite-connection-mixin): likewise
- (print-items append composite-connection-mixin): likewise
- (bag-connection): added superclass `composite-connection-mixin'
- (bag-connection::channels): removed slot; provided by `composite-connection-mixin'
- (start :after recording-bag-connection): use `connection-connections' instead of `connection-channels'
- src/rsb/package.lisp (package rsbag.rsb): added exported symbols connection-direct-connections and connection-connections
- src/rsb/recording/channel-connections.lisp
- (process-event recording-bag-connection timestamp t): use `connection-connections' instead of `connection-channels'
- (print-items recording-channel-connection): adapted to renamed print items
- src/rsb/recording/construction.lisp (events->bag sequence bag): adapted to changed initargs
- (events->bag null bag): likewise
- src/rsb/replay/util.lisp (inject-informer): use `connection-connections' instead of `connection-channels'
- src/rsb/replay/strategy-mixins.lisp
- (make-view t view-creation-mixin): changed specializer replay-bag-connection -> t; use `connection-connections' instead of `connection-channels'
- src/rsb/replay/construction.lisp (bag->events bag t): adapted to changed initargs

Revision 34ae37a1 - 03/28/2017 11:42 AM - J. Moringen

Moved replay connection code src/rsb{ -> /replay}/*.lisp

refs #817

- src/rsb/bag-connection.lisp (replay-bag-connection): removed; moved to src/rsb/replay/bag-connections.lisp
- (setf processor-error-policy :before replay-bag-connection): likewise
- src/rsb/construction.lisp (bag->events sequence t): removed; moved to src/rsb/replay/construction.lisp
- src/rsb/package.lisp (package rsbag.rsb): removed exported symbols connection-strategy and replay-bag-connection

- src/rsb/replay/bag-connections.lisp: new file; contains replay-specific connection classes; in particular `replay-connection-mixin' has been split off from `replay-bag-connection'
- src/rsb/replay/construction.lisp (bag->events sequence t): new method; moved here from src/rsb/construction.lisp
- src/rsb/replay/package.lisp (package rsbag.rsb.replay): added exported symbols connection-strategy and replay-bag-connection
- cl-rsbag.asd (system cl-rsbag): added file src/rsb/replay/bag-connections.lisp

Revision 1ac34911 - 03/28/2017 11:58 AM - J. Moringen

Moved replay connection code src/rsb{ -> /replay}/*.lisp

refs #817

- src/rsb/bag-connection.lisp (replay-bag-connection): removed; moved to src/rsb/replay/bag-connections.lisp
(setf processor-error-policy :before replay-bag-connection): likewise
- src/rsb/construction.lisp (bag->events sequence t): removed; moved to src/rsb/replay/construction.lisp
- src/rsb/package.lisp (package rsbag.rsb): removed exported symbols connection-strategy and replay-bag-connection
- src/rsb/replay/bag-connections.lisp: new file; contains replay-specific connection classes; in particular `replay-connection-mixin' has been split off from `replay-bag-connection'
- src/rsb/replay/construction.lisp (bag->events sequence t): new method; moved here from src/rsb/construction.lisp
- src/rsb/replay/package.lisp (package rsbag.rsb.replay): added exported symbols connection-strategy and replay-bag-connection
- test/rsb/protocol.lisp (test bag->events-root::smoke): adapted to changed packages
(test bag->events-root::prefix-scope): likewise
- cl-rsbag.asd (system cl-rsbag): added file src/rsb/replay/bag-connections.lisp

Revision 5e4d92a0 - 03/28/2017 12:36 PM - J. Moringen

Support trees of connections in src/rsb/replay/*.lisp

refs #817

- src/rsb/replay/bag-connections.lisp (replay-multi-bag-connection): new connection class; for replaying multiple bags
- src/rsb/replay/construction.lisp (bag->events sequence t): for multiple bags, instead of signaling an error, construct a `replay-multi-bag-connection'
(bag->events bag t): accept connection-class keyword argument

- test/rsb/protocol.lisp (test bag->events-root::smoke): added cases with multiple source bags

Revision f1292bce - 03/28/2017 01:55 PM - J. Moringen

Support multiple input files in src/commands/play.lisp

refs #817

- src/commands/play.lisp (header): updated copyright
(play): updated documentation string
- test/commands/cat.lisp (test cat-root::construction): added a cases with multiple source bags
- test/commands/play.lisp (test play-root::construction): likewise
- test/commands/introspect.lisp (header): updated copyright
(test introspect-root::construction): added a cases with multiple source bags

Revision de58dc72 - 03/29/2017 12:58 AM - J. Moringen

Support multiple input files in bag-{cat,play,introspect}/main.lisp

fixes #817

- bag-cat/main.lisp (make-help-string): indicate possibility of multiple input files
(update-synopsis): likewise
- bag-play/help.lisp (header): updated copyright
(make-help-string): indicate possibility of multiple input files
- bag-play/main.lisp (update-synopsis): likewise
(parse-inputs-and-uri): new function; split remainder of commandline options into input files and target URI
(main): allow more than two "remainder" commandline arguments; use `parse-inputs-and-uri`; pass all input files to the constructed command
- bag-introspect/main.lisp (header): updated copyright
(make-help-string): indicate that multiple input files are allowed
(update-synopsis): likewise
- CMakeLists.txt: added test for running cat, play and introspect with multiple input files

Revision 6b21e0e2 - 03/29/2017 01:04 AM - J. Moringen

Mention multiple input files in {tool-{cat,play,introspect},news}.rst

refs #817

- tool-cat.rst (Synopsis): indicate that multiple input files can be supplied
- tool-introspect.rst (Synopsis): likewise

- tool-play.rst (Synopsis): likewise
- news.rst (RSBag 0.16): mention that cat, play and introspect now
accept multiple input files

History

#1 - 01/23/2012 04:29 PM - J. Wienke

Yes, definitely interesting.

#2 - 02/24/2012 04:56 PM - J. Moringen

- Status changed from *Feedback* to *In Progress*
- Assignee set to *J. Moringen*

#3 - 03/06/2012 07:43 PM - J. Moringen

- Target version set to *rsb-0.7*

#4 - 06/18/2012 03:47 PM - J. Moringen

- Target version changed from *rsb-0.7* to *rsb-0.9*

#5 - 04/17/2013 04:22 PM - J. Moringen

- Target version changed from *rsb-0.9* to *rsb-0.10*

#6 - 10/11/2013 06:30 PM - J. Moringen

- % Done changed from *0* to *30*

#7 - 12/10/2013 11:52 PM - J. Moringen

- Target version changed from *rsb-0.10* to *rsb-0.11*

#8 - 12/17/2014 03:11 PM - J. Moringen

- Target version changed from *rsb-0.11* to *rsb-0.12*

#9 - 04/28/2015 06:56 PM - J. Moringen

- Target version changed from *rsb-0.12* to *rsb-0.13*

#10 - 03/02/2016 09:49 AM - J. Moringen

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

#11 - 06/08/2016 09:01 PM - J. Moringen

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

#12 - 06/12/2016 05:51 PM - J. Moringen

- Subject changed from *Should bag-play, bag-cat be able to handle multiple log files?* to *bag play, cat: Handle multiple log files*

#13 - 11/07/2016 10:38 AM - J. Moringen

- Target version changed from *rsb-0.15* to *rsb-0.16*

#14 - 03/28/2017 10:39 AM - J. Moringen

- % Done changed from *30* to *60*

#15 - 03/29/2017 01:00 AM - J. Moringen

- Status changed from *In Progress* to *Resolved*

- % Done changed from 60 to 100

Applied in changeset commit:rsbag-tools-cl|de58dc720fd43a328318f4060271a42611866d6d.

#16 - 04/03/2017 06:51 PM - J. Moringen

- Category set to *Commandline Tools*