

RSBag - Feature #616

Support backward seeks in serialized view

10/07/2011 12:01 PM - J. Moringen

Status:	Resolved	Start date:	10/07/2011
Priority:	Low	Due date:	
Assignee:	J. Moringen	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	rsb-0.7		
Description			
Currently, the associated iterator of rsbag.view:serialized can only seek forward. Seeking backward is a bit tricky since it requires finding and stepping the correct sub-iterator.			
Related issues:			
Blocks RSBag - Bug # 1092: emitandnext via RPC kills bag-play if at end of file			Resolved 07/20/2012

Associated revisions

Revision 3e30f1d1 - 07/20/2012 09:54 PM - J. Moringen

Support backward iteration in src/view/*.lisp

fixes #616

- src/view/protocol.lisp (make-serialized-view): added compare keyword parameter; extended documentation accordingly
- src/view/serialized.lisp (make-serialized-view bag): accept compare keyword parameter
(make-serialized-view sequence): likewise
(make-simple-sequence-iterator serialized): do not construct iterators for empty sequences
(shared-initialize serialized-iterator t): adapted to renamed function %next-iterator -> %iterator-for-forward-step
(iterator-step serialized serialized-iterator): select appropriate iterator for stepping depending on whether a forward or backward step is performed
(iterator-element serialized serialized-iterator): simplified
(%iterator-step): new function; helper for stepping an iterator
(%iterator-for-forward-step): renamed %next-iterator -> %iterator-for-forward-step
(%iterator-for-backward-step): new function; helper to determine the appropriate iterator for a backward step
- test/view/serialized.lisp (test serialized-root::iterator): new test case; test forward and backward iteration on random sequences
- test/view/package.lisp (header): updated copyright
(package rsbag.view.test): added used package let-plus

History

#1 - 02/24/2012 04:57 PM - J. Moringen

- Status changed from New to In Progress
- % Done changed from 0 to 20

#2 - 03/06/2012 07:43 PM - J. Moringen

- Target version set to rsb-0.7

#3 - 06/18/2012 03:33 PM - J. Moringen

- *Priority changed from Normal to Low*

#4 - 07/13/2012 11:28 AM - J. Moringen

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

#5 - 07/20/2012 09:55 PM - J. Moringen

- *Status changed from In Progress to Resolved*

- *% Done changed from 20 to 100*

Applied in changeset r489.

#6 - 07/20/2012 09:55 PM - J. Moringen

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