

RSBag - Feature #1013

Allow async flushing of chunk and index buffer

06/21/2012 01:54 PM - J. Moringen

Status:	Resolved	Start date:	06/21/2012
Priority:	Normal	Due date:	
Assignee:	J. Moringen	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	rsb-0.9		
Description			
Related issues:			
Related to RSBag - Enhancement # 1038: Allow composite flush strategies			Resolved 06/26/2012

Associated revisions

Revision 2d974c91 - 02/15/2013 08:23 PM - J. Moringen

Use rsbag:enable-restart-threadpool in main/dump.lisp

refs #1170, refs #1013

- main/dump.lisp: when saving and resuming an image, the rsbag threadpool has to be stopped and restarted; call `rsbag:enable-restart-threadpool' to achieve this

Revision 316282c6 - 02/17/2013 06:10 PM - J. Moringen

Added async buffer write-backs in src/backend/backend-mixins.lisp

refs #1170, fixes #1013

- src/threadpool.lisp: new file; contains functions for managing a dedicated threadpool for rsbag
- src/reloading.lisp: new file; contains functions for stopping and restarting the rsbag threadpool when saving and loading an image
- src/package.lisp (header): updated copyright
(package rsbag): added exported symbols
start-threadpool, stop-threadpool, enable-restart-threadpool and with-threadpool
- src/backend/backend-mixins.lisp (header): updated copyright
(**async?**): new variable; allows or disallows async write-back
(async-double-buffered-writer-mixin): new class; adds async write-back behavior to buffered backend classes
(shared-initialize :after async-double-buffered-writer-mixin): new method; allocate back-buffer
(close :around async-double-buffered-writer-mixin): new method; force async operations to finish
(write-buffer :around async-double-buffered-writer-mixin t): new method; initiate async write-back
(make-buffer :around async-double-buffered-writer-mixin t): new method; create additional buffer
- src/backend/package (header): updated copyright

- (package rsbag.backend): added exported symbol
async-double-buffered-writer-mixin
- src/backend/tidelog/file.lisp (file): added superclass
`async-double-buffered-writer-mixin'
- test/backend/mixins.lisp: new file; contains unit tests for backend
mixin classes
- test/backend/package.lisp (header): updated copyright
(package rsbag.backed.test): added used package let-plus
- cl-rsbag.asd (header): updated copyright
(system cl-rsbag): added system dependency on system lparallel;
added files src/threadpool.lisp and src/reloading.lisp
(system cl-rsbag-test): added file test/backend/mixins.lisp

History

#1 - 09/26/2012 03:24 PM - J. Moringen

- % Done changed from 60 to 80

#2 - 02/17/2013 08:25 PM - J. Moringen

- Status changed from In Progress to Resolved
- % Done changed from 80 to 100

Applied in changeset rsbag-cl|commit:316282c6aac00a396a61ccebe26e5782ded60547.