

RSBag - Feature #493

Allow start/stop of recordings via RPC interface (without program restart)

08/10/2011 09:15 AM - S. Wrede

Status:	Resolved	Start date:	08/10/2011
Priority:	Normal	Due date:	
Assignee:	J. Moringen	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	0.5		
Description			

Associated revisions

Revision 86cbc60a - 09/19/2011 09:40 PM - J. Moringen

Added start/stop functions in src/rsb/protocol.lisp

refs #493

- src/rsb/protocol.lisp (start): new generic function; start a previously stopped recording
(stop): new generic function; stop a recording such that it can be restarted later
- src/rsb/channel-connection.lisp
(initialize-instance :after recording-channel-connection): use `start` method to start recording
(start recording-channel-connection): new method; add the connection as handler of the participant
(stop recording-channel-connection): new method; remove the connection from the handlers of the participant
- src/rsb/bag-connection.lisp (start bag-connection): new method; start all channel connections
(stop bag-connection): new method; stop all connections
- src/rsb/package.lisp (package rsbag.rsb): added exported symbols start and stop

Revision 0ef67890 - 09/25/2011 01:33 AM - J. Moringen

Added RPC control server in bag-record/main.lisp

fixes #493

- bag-record/main.lisp (invoke-with-control-service): new function; invoke a thunk with an rpc server running while the thunk executes
(update-synopsis): added control-uri commandline option
(main): wrap main recording loop in `invoke-with-control-service` when requested
- bag-record/package.lisp (package rsbag.tools.record): added used packages bind and rsb.patterns

Revision 0c2d87e7 - 09/25/2011 01:33 AM - J. Moringen

Added interrupt function in common/interactive.lisp

refs #493

- common/interactive.lisp (interrupt): new function; interrupt a `with-interactive-interrupt-exit` form
- common/package.lisp (package rsb.common): added exported symbol interrupt

History

#1 - 08/10/2011 09:15 AM - S. Wrede

- Assignee set to M. Goetting

#2 - 08/30/2011 04:37 AM - J. Moringen

- Status changed from New to Feedback

What does this mean?

Should the recording program expose an RSB RPC interface for starting and stopping the recording?

Should UNIX signals be used?

Should annotations be stored in a separate channel of the log file or in a separate file?

What should information should be captured in annotations?

#3 - 08/30/2011 11:21 AM - J. Moringen

- Status changed from Feedback to Rejected

Start/Stop with one TIDELog file per chunk is already possible

Annotation support is out of scope for rsbag.

#4 - 08/30/2011 06:52 PM - S. Wrede

- Status changed from Rejected to Feedback

With annotation we ment to insert some metadata describing the current trial / experiment. I understand that this can be easily done with an additional tool that would provide this information in a separate channel. However, I am not sure that a separate tool for this kind of minimal but important functionality makes much sense. What do you think?

And, yes, the original idea was that rsbag should expose a request-reply interface to allow remote control starting / stopping / pausing of recordings. Why should that be out of scope of such a tool?

#5 - 08/30/2011 07:26 PM - J. Moringen

Sebastian Wrede wrote:

With annotation we ment to insert some metadata describing the current trial / experiment. I understand that this can be easily done with an additional tool that would provide this information in a separate channel. However, I am not sure that a separate tool for this kind of minimal but important functionality makes much sense. What do you think?

It probably depends on the source from which the annotation information is generated and the data to which the annotations refer. If only readily available things like the machine's hostname or current time would be used and refer to the whole file, a separate tool would probably be overkill. However, if the annotation information has to gathered somehow or parsed from some source, or associated to parts of the log file, I would still argue that such a feature is out of scope for a recording tool.

And, yes, the original idea was that rsbag should expose a request-reply interface to allow remote control starting / stopping / pausing of

| recordings. Why should that be out of scope of such a tool?

"Out of scope" referred to annotations.

An RPC interface wouldn't be a hard to do (I think). Is there a difference between pause+unpause and stop+start?

#6 - 09/18/2011 08:54 PM - J. Moringen

- Subject changed from *Allow Start - Pause - Stop of Recordings with Annotation Support* to *Allow start/stop of recordings via RPC interface (without program restart)*
- Status changed from *Feedback* to *In Progress*
- Assignee changed from *M. Goetting* to *J. Moringen*
- % Done changed from *0* to *20*

#7 - 09/18/2011 09:46 PM - J. Moringen

- % Done changed from *20* to *70*

#8 - 09/25/2011 01:34 AM - J. Moringen

- Status changed from *In Progress* to *Resolved*
- % Done changed from *70* to *100*

Applied in changeset r150.

#9 - 10/27/2011 08:25 PM - J. Moringen

- Target version changed from *rsb-0.10* to *0.5*