

RSBag - Bug #1421

Verify that string encoding change complies to TIDELog specification

02/17/2013 06:08 PM - J. Moringen

Status:	Closed	Start date:	02/15/2013						
Priority:	Normal	Due date:							
Assignee:		% Done:	80%						
Category:	Documentation	Estimated time:	0.00 hour						
Target version:	rsb-0.10								
Description									
<p>The publicly available version of the TIDELog specification is unclear regarding length fields for strings (in this case taken from the table specifying the CHAN block):</p> <table><tr><td>Name size</td><td>1 unsigned byte</td><td>Length of the channel name.</td></tr><tr><td>Name</td><td>``Name size`` characters</td><td>Name of the channel, as a character string.</td></tr></table> <p>``Name size`` characters" requires a string encoding to be specified. Alternative, ``Name size`` bytes" could be the intended meaning.</p> <p>In both cases, clarification is needed.</p>				Name size	1 unsigned byte	Length of the channel name.	Name	``Name size`` characters	Name of the channel, as a character string.
Name size	1 unsigned byte	Length of the channel name.							
Name	``Name size`` characters	Name of the channel, as a character string.							

Associated revisions

Revision a0fdb60f - 02/17/2013 06:09 PM - J. Moringen

Fixed length computation for strings in src/backend/tidelog/generator.lisp

refs #1421

This is a very unsatisfying change because the TIDELog specifications explicitly states that length fields for strings specify the number of characters. But since no encoding is specified, they probably meant the number of bytes.

- src/backend/tidelog/generator.lisp (type-spec->serializer/buffer):
use number of bytes instead of number of characters as "length" of strings
- (type-spec->serializer/stream): likewise

History

#1 - 04/17/2013 04:20 PM - J. Moringen

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

#2 - 05/06/2013 07:28 AM - J. Moringen

- Status changed from New to In Progress

- % Done changed from 0 to 80

I discussed this with Ingo and he submitted an updated version. It has not yet been accepted, though.

#3 - 10/11/2013 06:27 PM - J. Moringen
- Status changed from In Progress to Closed

I guess, that's all we can do at the moment.