

## Robotics Service Bus - Bug #2600

### RSB logger 'columns' style not working as described in help

07/13/2016 10:42 AM - N. Köster

<b>Status:</b>	Resolved	<b>Start date:</b>	07/13/2016
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	J. Moringen	<b>% Done:</b>	100%
<b>Category:</b>	Common Lisp Tools	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	rsb-0.15		

#### Description

The examples for a logger with the style 'columns' states

[...]

-s, --style=SPEC Specify a formatting style that should be used to print events. SPEC has to be of the form

```
KIND KEY1 VALUE1 KEY2 VALUE2 ...
```

where keys and values are optional and depend on KIND. Examples (note that the single quotes have to be included only when used within a shell):

```
--style detailed
```

```
--style compact
```

```
--style 'compact :separator "|'"
```

```
--style 'columns :columns (:now (:scope :width 12) :id :newline)'
```

(see extended help, enable with --help-for=columns, for an explanation of the :columns argument)

[...]

This leads to the following error:

```
[nkoester @ lax] [34588/0] [10:35:07 - 13.07.16]
```

```
[/homes/nkoester/] /vol/toolkit/nightly/trusty/x86_64/successful/bin/rsb-toolscl0.14 logger --on-error continue --style 'columns :columns (:now (:scope :width 12) :id :newline)' /
```

```
<WARN> [10:35:10] [main thread] rsb.tools.common error-handling.lisp (continue/verbose) - No CONTINUE restart; Cannot recover. Error:
```

```
| Failed to create style according to specification
```

```
|
```

```
| :COLUMNS :COLUMNS (:NOW (:SCOPE :WIDTH 12) :ID :NEWLINE)
```

```
|
```

```
| . Caused by:
```

```
|> The combination of initargs
```

```
|>
```

```
|> :WIDTHS (:RANGE 8)
```

```
|> :WIDTH 12
```

```
|>
```

```
|> is invalid for class RSB.FORMATTING:WIDTH-SPECIFICATION-MIXIN.
```

```
|
```

```
|
```

```
Failed to create style according to specification
```

```
:COLUMNS :COLUMNS (:NOW (:SCOPE :WIDTH 12) :ID :NEWLINE)
```

. Caused by:

> The combination of initargs

>

> :WIDTHS (:RANGE 8)

> :WIDTH 12

>

> is invalid for class RSB.FORMATting:WIDTH-SPECIFICATION-MIXIN.

```
[nkoester @ lax] [34588/0] [10:35:10 - 13.07.16]
```

```
[/homes/nkoester/]
```

A modification such as

```
[nkoester @ lax] [34588/0] [10:39:12 - 13.07.16]
```

```
[/homes/nkoester/] /vol/toolkit/nightly/trusty/x86_64/successful/bin/rsb-toolscl0.14 logger --on-error continue --style 'columns  
:columns (:scope :id :newline)'
```

also yields many warnings:

```
<WARN> [10:39:12] [main thread] rsb.tools.common error-handling.lisp (continue/verbose) - Error encountered; Recovering  
via restart
```

```
| CONTINUE: Ignore the failure and continue processing.
```

```
. Further processing may yield partial or incorrect results. Error was:
```

```
| Argument X is not a REAL: NIL
```

```
.
```

```
<WARN> [10:39:12] [main thread] rsb.tools.common error-handling.lisp (continue/verbose) - Error encountered; Recovering  
via restart
```

```
| CONTINUE: Ignore the failure and continue processing.
```

```
. Further processing may yield partial or incorrect results. Error was:
```

```
| Argument X is not a REAL: NIL
```

```
.
```

```
<WARN> [10:39:12] [main thread] rsb.tools.common error-handling.lisp (continue/verbose) - Error encountered; Recovering  
via restart
```

```
| CONTINUE: Ignore the failure and continue processing.
```

```
. Further processing may yield partial or incorrect results. Error was:
```

| Argument X is not a REAL: NIL

The same also happens when using RSB 0.13 tools

## Associated revisions

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### Revision 54ad5f94 - 07/13/2016 11:40 AM - J. Moringen

Fixed width specification handling in src/formatting/text-style-mixins.lisp

refs #2600

- src/formatting/types.lisp (header): updated copyright  
(compatible-with-width-specification?): new function; check whether a given width is compatible with a width specification
- src/formatting/text-style-mixins.lisp  
(shared-initialize :before width-specification-mixin t): allow simultaneous :widths and :width as long as they compatible via `compatible-with-width-specification?`  
(shared-initialize :after width-specification-mixin t): expect :widths and :width to be both supplied; :width prevails in that case
- src/formatting/package.lisp (package rsb.formatting): added exported symbols width-specification? and compatible-with-width-specification?
- test/formatting/text-style-mixins.lisp  
(test width-specification-mixin-root::construction): adapted to changed behavior

### Revision 99e73ddb - 07/13/2016 12:09 PM - J. Moringen

Fixed column width computation in src/formatting/event-style-columns.lisp

fixes #2600

- src/formatting/event-style-columns.lisp (header): updated copyright  
(format-event t style-columns t): new method; compute columns widths before formatting events
- src/formatting/event-style-statistics.lisp  
(format-event eql :trigger style-statistics t): simplified
- test/formatting/style-columns.lisp: new file; contains tests for the `style-columns` class
- cl-rsb-formatting.asd (system cl-rsb-formatting-test): added file test/formatting/style-columns.lisp
- CMakeLists.txt: added columns style to styles test

### Revision e649156e - 07/13/2016 12:10 PM - J. Moringen

Backport: Fixed width specification handling in src/formatting/text-style-mixins.lisp

refs #2600

- src/formatting/types.lisp (header): updated copyright  
(compatible-with-width-specification?): new function; check whether a given width is compatible with a width specification
- src/formatting/text-style-mixins.lisp  
(shared-initialize :before width-specification-mixin t): allow simultaneous :widths and :width as long as they compatible via `compatible-with-width-specification?`  
(shared-initialize :after width-specification-mixin t): expect :widths and :width to be both supplied; :width prevails in that case
- src/formatting/package.lisp (package rsb.formatting): added exported symbols width-specification? and compatible-with-width-specification?
- test/formatting/text-style-mixins.lisp  
(test width-specification-mixin-root::construction): adapted to changed behavior

(cherry picked from commit 54ad5f94b86c2d2c1111b3ee0ae05d9d7a285b94)

### Revision 1748ce2d - 07/13/2016 12:10 PM - J. Moringen

Backport: Fixed column width computation in src/formatting/event-style-columns.lisp

refs #2600

- src/formatting/event-style-columns.lisp (header): updated copyright  
(format-event t style-columns t): new method; compute columns widths before formatting events
- src/formatting/event-style-statistics.lisp  
(format-event eql :trigger style-statistics t): simplified
- test/formatting/style-columns.lisp: new file; contains tests for the `style-columns` class
- cl-rsb-formatting.asd (system cl-rsb-formatting-test): added file test/formatting/style-columns.lisp
- CMakeLists.txt: added columns style to styles test

(cherry picked from commit 99e73ddb280cf3213b0959d7aafbee74ad35b502)

### Revision c1dfcc8 - 07/13/2016 12:11 PM - J. Moringen

Backport: Fixed width specification handling in src/formatting/text-style-mixins.lisp

refs #2600

- src/formatting/types.lisp (header): updated copyright  
(compatible-with-width-specification?): new function; check whether a given width is compatible with a width specification
- src/formatting/text-style-mixins.lisp  
(shared-initialize :before width-specification-mixin t): allow simultaneous :widths and :width as long as they compatible via `compatible-with-width-specification?`  
(shared-initialize :after width-specification-mixin t): expect :widths and :width to be both supplied; :width prevails in that case

- src/formatting/package.lisp (package rsb.formatting): added exported symbols width-specification? and compatible-with-width-specification?
- test/formatting/text-style-mixins.lisp  
(test width-specification-mixin-root::construction): adapted to changed behavior

(cherry picked from commit 54ad5f94b86c2d2c111b3ee0ae05d9d7a285b94)

### Revision 78c46d3d - 07/13/2016 12:11 PM - J. Moringen

Backport: Fixed column width computation in src/formatting/event-style-columns.lisp

refs #2600

- src/formatting/event-style-columns.lisp (header): updated copyright  
(format-event t style-columns t): new method; compute columns widths before formatting events
- src/formatting/event-style-statistics.lisp  
(format-event eql :trigger style-statistics t): simplified
- test/formatting/style-columns.lisp: new file; contains tests for the `style-columns` class
- cl-rsb-formatting.asd (system cl-rsb-formatting-test): added file  
test/formatting/style-columns.lisp
- CMakeLists.txt: added columns style to styles test

(cherry picked from commit 99e73ddb280cf3213b0959d7aafbee74ad35b502)

## History

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### #1 - 07/13/2016 10:50 AM - J. Moringen

- Status changed from New to In Progress
- Target version set to rsb-0.15

### #2 - 07/13/2016 11:21 AM - J. Moringen

- % Done changed from 0 to 50

| This leads to the following error:

Mixin column width specifications with explicit widths didn't work properly.

I will change the behavior such that:

- :widths (4 (:range 10 20)) => automatically choose width 4 or a width between 10 and 20 for the column
- :widths (4 (:range 10 20)) :width 5 => error
- :widths (4 (:range 10 20)) :width 17 => force width 17 for the column

| also yields many warnings:

The columns style was basically broken.

I have a fix for both issues. Should I backport it to any release branches?

**#3 - 07/13/2016 11:26 AM - N. Köster**

J. Moringen wrote:

*The columns style was basically broken.*

*I have a fix for both issues. Should I backport it to any release branches?*

Wow! that was quick! Thanks. It would be great if these could be backported to 0.13 and 0.14!

**#4 - 07/13/2016 12:10 PM - J. Moringen**

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

- % Done changed from 50 to 100

Applied in changeset commit:rsb-tools-cl|99e73ddb280cf3213b0959d7aafbee74ad35b502.