

## Robotics Service Bus - Tasks #106

### Extract NaoQi Converters and Examples into separate Library

08/31/2010 10:29 PM - S. Wrede

<b>Status:</b>	Closed	<b>Start date:</b>	08/31/2010
<b>Priority:</b>	High	<b>Due date:</b>	
<b>Assignee:</b>	S. Wrede	<b>% Done:</b>	100%
<b>Category:</b>	C++	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>			
<b>Description</b>			
once the type converter registry is fully functional			

#### Associated revisions

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**Revision 53bc138b - 09/16/2010 12:56 PM - J. Wienke**

Initial try to base converter selection on rsc registry

references #106

#### History

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**#1 - 08/31/2010 10:37 PM - S. Wrede**

- Priority changed from Normal to High

**#2 - 09/01/2010 01:47 PM - J. Wienke**

Registry is moved to rsc now.

**#3 - 09/11/2010 12:01 PM - S. Wrede**

- Status changed from New to In Progress

- % Done changed from 0 to 30

Removed AL dependant code from core library.

**#4 - 09/11/2010 12:01 PM - S. Wrede**

- File mylyn-context.zip added

**#5 - 09/11/2010 12:06 PM - J. Wienke**

Do you plan to use Registry<Converter<targetType> > for this? I just implemented something similar in python that could be suitable with a global registry that is passed into the ports as a default but can be exchanged.

**#6 - 09/12/2010 11:13 PM - S. Wrede**

- % Done changed from 30 to 70

**#7 - 09/12/2010 11:19 PM - S. Wrede**

I just started a new library for Nao types and extensions. Initially, it contains now the ALImageConverter. It is available under NAO Components at <http://code.cor-lab.org>. However, to become functional, it still needs reintegration with RSB through the finished registry for user types.

**#8 - 09/16/2010 12:59 PM - J. Wienke**

Added registry in r93, Aldebaran converter still needs to be ported to this system.

**#9 - 11/10/2010 08:10 PM - J. Wienke**

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

Integration with registry was done

**#10 - 07/20/2011 01:54 PM - S. Wrede**

- Status changed from *Resolved* to *Feedback*

We need to discuss how to deploy NAO specific converters to our partners and how this relates to the IDL specification collection in RST. Once this packaging and update to the 0.3 or 0.4 RSB version is done, we should deploy this internally and to CTU for testing.

**#11 - 09/01/2011 06:59 PM - J. Wienke**

This is done since a long time? Am I right?

**#12 - 09/01/2011 08:51 PM - S. Wrede**

Sure, generally this is done with the RSB converter registry concept and the NaoRSB components at [code.humavips.eu](http://code.humavips.eu) as well as the wiretypes defined in the RST project.

Just one issue / observation: Do we still rely somewhere on the RSBIImageConverter:

<https://code.humavips.eu/projects/naorsb/repository/show/trunk/RSBIImageConverter>

IIRC in RSBVideoSender also still exists a copy of ALImageConverter...

The question remains where to collect re-usable converter code such as the ALImageConverter. Shall they become part of an NaoRSB-base library containing the NaoQi-dependent but re-usable parts of the NaoRSB project?

**#13 - 09/01/2011 08:55 PM - J. Wienke**

Maybe it is still used for one of the old demos like summerschool or IK, but apart from that this is deprecated. Everything else uses the RST-based converter.

For the collection of converters we have created a folder in the RST svn as a first step.

**#14 - 09/01/2011 09:06 PM - S. Wrede**

OK. Didn't notice the converter folder in RST so far. However, wouldn't that tie the RST library to all the domain-specific dependencies like NaoQi?!?

So, why not introduce a NaoRSB-base library?

**#15 - 09/01/2011 09:08 PM - J. Wienke**

There's no build logic at all for the converters. Have a look at the wiki there. There's a description of the intended use.

**#16 - 09/01/2011 09:22 PM - S. Wrede**

Thx. I'd still argue to put that into domain-specific libraries but as a start it sounds reasonable. Did we announce this wiki page in the TF-M / RSB meeting or at the mailing list? I find it quite important.

**#17 - 09/01/2011 09:24 PM - S. Wrede**

- % Done changed from 70 to 100

BTW: Apart from the more general aspects in it, the issue can be set to resolved...

**#18 - 09/01/2011 09:55 PM - J. Wienke**

- Status changed from Feedback to Closed

I can't remember if this happened.

## Files

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mylyn-context.zip	79.6 KB	09/11/2010	S. Wrede
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