

## Robotics Service Bus - Bug #1152

### InformerBase doesn't allow to publish polymorphic data

08/29/2012 02:11 AM - R. Haschke

<b>Status:</b>	Rejected	<b>Start date:</b>	08/29/2012
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>	C++	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>			

#### Description

I thought it is possible, to send different data types through the same channel. However, I get this error (also using InformerBase):

```
terminate called after throwing an instance of 'std::invalid_argument'
```

```
what(): Specified event type rsb::xml::XOPData does not match informer type unused.
```

Aborted (core dumped)

Because the receiving side has to deal with polymorphic types anyway (due to the hierarchical structure of scopes), it would make sense to allow polymorphic sending as well.

#### Associated revisions

##### Revision 32559ccf - 08/29/2012 03:49 AM - J. Moringen

Added polymorphic informer issue in troubleshooting.rst

refs #1152

- troubleshooting.rst: added an issue stating the problem and solution regarding polymorphic informers in C++

##### Revision 20f6d6bc - 08/29/2012 12:46 PM - J. Moringen

Added polymorphic informer issue in troubleshooting.rst

refs #1152, refs #1139

- troubleshooting.rst: added an issue stating the problem and solution regarding polymorphic informers in C++

#### History

##### #1 - 08/29/2012 02:43 AM - R. Haschke

- Status changed from New to Rejected

- % Done changed from 0 to 100

I figured out, that I have to use rsb::InformerBase specifying an empty type string.

This info was quite hidden in the source code...

##### #2 - 08/29/2012 03:51 AM - J. Moringen

- % Done changed from 100 to 0

See also source:rsb-cppexamples/informer/anyInformer.cpp.

I also updated the proposed troubleshooting section of the manual: source:rsb-manual|troubleshooting.rst@20f6d6bc#L215.

**#3 - 08/29/2012 03:52 AM - J. Moringen**

- Subject changed from *InformerBase is doesn't allow to publish polymorphic data to InformerBase doesn't allow to publish polymorphic data*
- Category changed from *Specification* to *C++*