

## Robotics Service Bus - Feature #1521

### LocalServer lacks a Callback<void,void> specialization

05/29/2013 02:51 PM - L. Ziegler

<b>Status:</b>	Resolved	<b>Start date:</b>	05/29/2013
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	J. Moringen	<b>% Done:</b>	100%
<b>Category:</b>	C++	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>			

#### Description

Currently it is not possible to register a method with no argument and no return value to a rsb server.

Solution: Add following overload of Callback to the rsb server:

```
class Callback<void, void>: public CallbackBase {
    [...]
    virtual void call(const std::string& methodName) = 0;
    [...]
};
```

#### Associated revisions

##### Revision 2eefc46c - 05/31/2013 12:43 PM - J. Moringen

Added rsb::patterns::LocalServer::Callback<void,void> in src/rsb/patterns/Server.h

fixes #1521

- src/rsb/patterns/Server.h (header): updated copyright  
(Server::Callback<void, void>): new class; Callback specialization for methods which neither take arguments nor return results
- examples/server/server.cpp (header): updated copyright  
(VoidVoidCallback): new calls; demonstrates void-void callback  
(main): register method "void" with VoidVoidCallback
- examples/server/client.cpp (header): updated copyright  
(main): call "void" method of the remote server

#### History

##### #1 - 05/30/2013 10:04 AM - J. Moringen

- Assignee set to J. Moringen

I already did this once but it did not quite work for some reason I can't remember. I will try again.

##### #2 - 05/31/2013 12:40 PM - J. Moringen

- Tracker changed from Bug to Feature
- Subject changed from Server lacks a Callback<void,void> overload to LocalServer lacks a Callback<void,void> specialization
- Status changed from New to In Progress
- % Done changed from 0 to 50

**#3 - 05/31/2013 01:45 PM - J. Moringen**

- *Status changed from In Progress to Resolved*
- *% Done changed from 50 to 100*

Applied in changeset rsb-cpp|commit:2eefc46c2880bea316bb9e6711d47173514a7bec.

**#4 - 05/31/2013 01:45 PM - J. Moringen**

- *Status changed from Resolved to In Progress*
- *% Done changed from 100 to 50*

An example can be found in the examples/server directory.

**#5 - 05/31/2013 01:45 PM - J. Moringen**

- *Status changed from In Progress to Resolved*
- *% Done changed from 50 to 100*