

Robotics Service Bus - Enhancement #1548

Transports returned by ParticipantConfig::getTransports() should be mutable

06/25/2013 01:57 PM - J. Moringen

Status:	New	Start date:	06/25/2013
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	C++	Estimated time:	0.00 hour
Target version:	rsb-0.18		

Description

ParticipantConfig::getTransports() returns a std::set of deep-copied ParticipantConfig::Transport objects. As elements of a std::set, these objects are immutable which prevents the idiom

```
std::set<ParticipantConfig::Transport> transports = config.getTransports()
// modify transports
config.setTransports(transports);
```

History

#1 - 08/19/2013 08:34 AM - J. Wienke

I don't think this is easily possible, because internally we manage a map from name to transport class for checking duplicated transports. Exposing this map sounds dangerous to me and too complicated for the user.

However, the whole assumption that a single transport must appear only a single time might be wrong already. It could be perfectly valid to have two distinct socket transports running on different ports. I don't know how we should proceed here.

#2 - 12/10/2013 11:47 PM - J. Moringen

- Target version changed from rsb-0.10 to rsb-0.11

#3 - 12/17/2014 11:05 AM - J. Wienke

- Target version changed from rsb-0.11 to rsb-0.12

#4 - 04/27/2015 11:10 AM - J. Wienke

- Target version changed from rsb-0.12 to rsb-0.13

#5 - 03/02/2016 09:43 AM - J. Moringen

- Target version changed from rsb-0.13 to rsb-0.14

#6 - 04/17/2016 07:53 PM - J. Moringen

- Target version changed from rsb-0.14 to rsb-0.15

#7 - 11/07/2016 10:38 AM - J. Moringen

- Target version changed from rsb-0.15 to rsb-0.16

#8 - 04/10/2017 09:01 PM - J. Moringen

- Target version changed from rsb-0.16 to rsb-0.17

#9 - 10/16/2017 09:23 PM - J. Moringen

- Target version changed from rsb-0.17 to rsb-0.18

