# message filters PoseWithCovarianceStamped

0

message_filters

Dear Ros Users, I tried to use a message filters to sync two PoseWithCovarianceStamped topics

asked Apr 6 '15
Rahndall
133 ●34 ●41 ●47

updated Apr 6 '15

```
void callback(const geometry_msgs::PoseWithCovarianceStampedPtr& pose_1, c
onst geometry_msgs::PoseWithCovarianceStampedPtr& pose_2)
{
  ...
}
message_filters::Subscriber<geometry_msgs::posewithcovariancestamped> pose
_sub_1(nh, "pose_1", 1);
message_filters::Subscriber<geometry_msgs::posewithcovariancestamped> pose
_sub_2(nh, "pose_2", 1);
message_filters::TimeSynchronizer <geometry_msgs::PoseWithCovarianceStampe
d, geometry_msgs::PoseWithCovarianceStamped> sync(pose_sub_1, pose_sub_2,
10);
sync.registerCallback(boost::bind(&callback, _1, _2));
```

but I got error at compile time:

/usr/include/boost/bind/bind.hpp:313:34: error: invalid initialization of reference of type ‘const boost::shared_ptr<geometry_msgs::posewithcovariancestamped_<std::allocator<void> > >&’ from expression of type ‘const boost::shared_ptr<const geometry_msgs::posewithcovariancestamped_<std::allocator<void=""> > >’
unwrapper<f>::unwrap(f, 0)(a[base_type::a1_], a[base_type::a2_]);

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This error message is trying to tell you that it expects your callback to take a boost::shared_ptr (or the ConstPtr message subtype) for the first argument; not a reference to a object.

answered Jul 29 '17
Leo Campos
41 ●1

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Try this instead:

two subscribers

```
void callback(const geometry_msgs::PoseWithCovarianceSta
mpedConstPtr& pose_1, const geometry_msgs::PoseWithCovar
ianceStampedConstPtr& pose_2)
```

link

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