

## Cognitive Interaction Toolkit - Bug #579

### dependency resolution is incomplete

2018-08-07 15:48 - Robert Haschke

<b>Status:</b>	Feedback	<b>Start date:</b>	2018-08-07
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Robert Haschke	<b>% Done:</b>	0%
<b>Category:</b>	build-generator	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Spent time:</b>	0.00 hour
<b>Description</b>			
<p>The dependency of tactile-toolbox.project on urdf.project is not discovered. Running build-gen in debug mode, I get</p> <p>- for tactile-toolbox/urdf_tactile:</p> <pre>((:NATURES (:ROS-PACKAGE) :PROVIDES   (:CMAKE "urdf_tactile" (0 1 0))   (:MAVEN "org.ros.rosjava_messages/urdf_tactile" (0 1 0))) :REQUIRES ((:CMAKE "cmake_modules") (:CMAKE "urdf")) :DESCRIPTION "handle tactile sensor descriptions in URDF" :LICENSE "BSD" :AUTHORS (#&lt;PERSON "Robert Haschke" 1 identity {100A767983}&gt;) :MAINTAINERS (#&lt;PERSON "Robert Haschke" 1 identity {100A760653}&gt;)))</pre> <p>- for urdf:</p> <pre>((:NATURES (:ROS-PACKAGE) :PROVIDES   (:CMAKE "urdf" (1 12 12))   (:MAVEN "org.ros.rosjava_messages/urdf" (1 12 12))) :REQUIRES   ((:CMAKE "liburdfdom-dev") (:CMAKE "liburdfdom-headers-dev")   (:CMAKE "rosconsole_bridge") (:CMAKE "roscpp")   (:CMAKE "urdf_parser_plugin") (:CMAKE "pluginlib" (1 11 2))   (:CMAKE "cmake_modules") (:CMAKE "tinyxml") (:CMAKE "rostest")) :DESCRIPTION "This package contains a C++ parser for the Unified Robot Description Format (URDF), which is an XML format for representing a robot model. The code API of the parser has been through our review process and will remain backwards compatible in future releases." :URL "http://ros.org/wiki/urdf" :LICENSE "BSD" :AUTHORS (#&lt;PERSON "Ioan Sucan" 1 identity {100A960143}&gt;  #&lt;PERSON "Jackie Kay" 1 identity {100A966F63}&gt;) :MAINTAINERS (#&lt;PERSON "Chris Lalancette" 1 identity {100A96DEC3}&gt;  #&lt;PERSON "Shane Loretz" 1 identity {100A974D03}&gt;)))</pre>			
<p>Looks like the main reason is that :PROVIDES ((:CMAKE "urdf" (1 12 12))) is not matching :REQUIRES ((:CMAKE "urdf")). This is a long-standing issue. Interestingly, the failed dependency resolution is not even reported as an INSTANTIATION-ERROR.</p>			

### History

**#1 - 2019-01-08 19:47 - Jan Moringen**

- Status changed from New to Feedback

I tried to reproduce the problem with the following minimal distribution

versions:

- urdfdom\_headers@0.4
- urdfdom@0.4
- urdf@kinetic-sensor-parsing

- tactile-filters@master
- tactile-toolbox@kinetic-devel

and the build-generator invocation

```
build-generator report -k graph -o /tmp/graph-report .../test.distribution
```

but the dependency tactile-toolbox@kinetic-devel --cmake:urdf--> urdf@kinetic-sensor-parsing was correctly reflect.

Can you still reproduce the problem?

**#2 - 2019-01-10 18:30 - Jan Moringen**

- Assignee changed from Jan Moringen to Robert Haschke