Cognitive Interaction Toolkit - Bug #579

dependency resolution is incomplete

2018-08-07 15:48 - Robert Haschke

Status:	Feedback		**Start date:**	2018-08-07
Priority:	Normal		**Due date:**	
Assignee:	Robert Haschke		**% Done:**	0%
Category:	build-generator		**Estimated time:**	0.00 hour
Target version:			**Spent time:**	0.00 hour

Description

The dependency of tactile-toolbox.project on urdf.project is not discovered. Running build-gen in debug mode, I get

- for tactile-toolbox/urdf_tactile:

```
((: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
  (#<PERSON "Robert Haschke" 1 identity {100A767983}>) :MAINTAINERS
  (#<PERSON "Robert Haschke" 1 identity {100A760653}>)))
```

- for urdf:

```
((: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
  (#<PERSON "Ioan Sucan" 1 identity {100A960143}>
   #<PERSON "Jackie Kay" 1 identity {100A966F63}>)
  :MAINTAINERS
  (#<PERSON "Chris Lalancette" 1 identity {100A96DEC3}>
   #<PERSON "Shane Loretz" 1 identity {100A974D03}>)))
```

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.

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@kinectic-devel --cmake:urdf--> urdf@kinectic-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