Automated Build Generator - Bug #2022
Incorrect pkg-config requirement extraction for cmake-cpp projects

09/24/2014 10:51 AM - S. Meyer zu Borgsen

Status:	Rejected		**Start date:**	09/24/2014
Priority:	Normal		**Due date:**	
Assignee:	J. Moringen		**% Done:**	0%
Category:	Project Analysis		**Estimated time:**	0.00 hour
Target version:	0.3			

Description

For example for the annotate project it extracts:

    #<VERSION-SPEC annotate:master {100956BBC3}> (1 missing dependency):
      No provider for (:PKG-CONFIG "btl-1.1").

I expect something like:

    #<VERSION-SPEC annotate:master {100956BBC3}> (1 missing dependency):
      No provider for (:PKG-CONFIG "btl" (1 1)).

The btl project actually provides:

    "extra-provides": [["cmake",   "btl",   "1.1"],
                ["pkg-config", "btl",   "1.1"]]

Related issues:

Related to Automated Build Generator - Bug # 2021: Projects that contain pom....	**Resolved**	**09/24/2014**

History

#1 - 09/24/2014 11:29 AM - J. Moringen

- Description updated

- Status changed from New to Feedback

- Target version set to 0.3

The correctness of the extraction depends on whether the pkg-config module is named "btl-1.1" or "btl", i.e. does the upstream project install btl-1.1.pc or btl.pc?

If possible, please attach the btl[-1.1].pc file and paste the PKG_CHECK_MODULES (or similar) call in the downstream project.

> *The btl project actually provides:*
> *[...]*

This is hand-written and may not reflect what btl actually does :)

#2 - 09/24/2014 11:34 AM - S. Meyer zu Borgsen

- File btl-1.1.pc added

BTL creates btl-1.1.pc (see attachment).

Downstream calls:
PKG_CHECK_MODULES(LIBRARIES REQUIRED eigen3 xmltio btl-1.1)

Maybe this problem is related to: #2021 ?

#3 - 09/24/2014 12:14 PM - J. Moringen

- Status changed from Feedback to Rejected

> *BTL creates btl-1.1.pc (see attachment).*
>
> *Downstream calls:*
> *PKG_CHECK_MODULES(LIBRARIES REQUIRED eigen3 xmltio btl-1.1)*

In this case, the pkg-config module name is btl-1.1 and the correct specifications are
  - extra-provides["pkg-config", "btl-1.1", "1.1.2"] in the upstream project
  - (:PKG-CONFIG "btl-1.1") in the downstream project (which is already the case)

> *Maybe this problem is related to: #2021 ?*

Possible, since analyzing the repository contents as a CMake project could detect the provided pkg-config module. However, I'm not sure whether the *current* CMake analysis can do that.
I'm rejecting this issue since the fix is either
  1. Change the btl recipe to extra-provides["pkg-config", "btl-1.1", "1.1.2"]
  2. Fix #2021 and check whether the provided pkg-config module can be detected automatically

I suggested implementing 1) until 2) is done.

#4 - 09/24/2014 08:18 PM - J. Moringen

- Related to Bug #2021: Projects that contain pom.xml and CMakeLists.txt get treated as maven project only added

Files

btl-1.1.pc	250 Bytes	09/24/2014	S. Meyer zu Borgsen