

Automated Build Generator - Bug #2755

Analysis does not consider CMake include() command

07/25/2018 01:39 PM - S. Meyer zu Borgsen

Status:	Resolved	Start date:	07/25/2018
Priority:	Normal	Due date:	
Assignee:	J. Moringen	% Done:	100%
Category:	Project Analysis	Estimated time:	0.00 hour
Target version:			
Description			
For example from the aruco.project no dependencies are collected from the cmakelists in the zip archive.			

Associated revisions

Revision 933c7d6f - 08/28/2018 12:09 PM - J. Moringen

CMake analysis considers INCLUDE in src/analysis/cmake.lisp

- src/analysis/cmake.lisp (header): updated copyright
 - (**include-scanner**): new parameter; approximate syntax for CMake's include() command
 - (analyze pathname eql :cmake/one-directory): for sub-projects, call `analyze' with :implicit-provides? nil
 - (analyze pathname eql :cmake/one-file): added implicit-provides? keyword parameter; process files included via include() calls
- changes (release 0.24): added enhancement entry

fixes #2755

History

#1 - 07/25/2018 08:13 PM - J. Moringen

- Status changed from New to Feedback
- Assignee changed from J. Moringen to S. Meyer zu Borgsen

S. Meyer zu Borgsen wrote:

| *For example from the aruco.project no dependencies are collected from the cmakelists in the zip archive.*

I tried

```
build-generator analyze 'https://netix.dl.sourceforge.net/project/aruco/3.0.0/aruco-3.0.8.zip?scm=archive'  
build-generator report -k graph -o /tmp/report test.distribution
```

where test.distribution only contained the aruco project and everything seemed fine. Can you describe what the expected behavior was and what happened instead?

#2 - 07/26/2018 11:22 AM - S. Meyer zu Borgsen

- Assignee changed from S. Meyer zu Borgsen to J. Moringen

The first problem was unfortunately that I did not know that I needed to append ?scm=archive.

Although the main problem remains that the analysis gives:

```
"requires":null
```

It requires OpenCV but does not detect it during analysis which breaks the build-order.

But maybe the problem is not the SCM-type but the project structure?

#3 - 07/26/2018 01:09 PM - J. Moringen

- Status changed from Feedback to In Progress

S. Meyer zu Borgsen wrote:

Although the main problem remains that the analysis gives:

[...]

It requires OpenCV but does not detect it during analysis which breaks the build-order.

But maybe the problem is not the SCM-type but the project structure?

From a brief look at the project source code, the OpenCV dependency seems to be handled in a findDependencies CMake module that is included in the main CMakeLists.txt file. I can probably improve the generator to handle this case.

#4 - 07/26/2018 11:52 PM - J. Moringen

- % Done changed from 0 to 50

#5 - 08/28/2018 10:12 AM - J. Moringen

- Subject changed from "scm": "archive" dependencies not analyzed to Analysis does not consider CMake include() command

#6 - 08/28/2018 12:35 PM - J. Moringen

- Status changed from In Progress to Resolved

- % Done changed from 50 to 100

Applied in changeset commit:933c7d6fcc7c9616325bd5050a8da1fff9c366d.