

Automated Build Generator - Bug #2652

dependency resolution fails for rsb-opencv

09/08/2016 11:04 AM - R. Haschke

Status:	Resolved	Start date:	09/08/2016
Priority:	Normal	Due date:	
Assignee:	J. Moringen	% Done:	100%
Category:	Project Analysis	Estimated time:	0.00 hour
Target version:	0.7		

Description

With my latest changes to master, the dependency resolution for rsb-opencv fails for a reason I cannot understand. rsb-opencv uses the usual cmake-cpp template.

Associated revisions

Revision caaf6623 - 09/08/2016 04:29 PM - J. Moringen

Fixed variable inheritance between templates in

fixes #2652

The problem was related to variable inheritance between template: variables defined in ancestor templates had higher precedence than variables defined in the child template.

- src/project/classes-spec.lisp (header): updated copyright
(variables :around template): changed specializer append -> :around;
explicitly construct result with correct ordering

History

#1 - 09/08/2016 11:15 AM - J. Moringen

- Category set to Project Analysis
- Assignee set to J. Moringen

R. Haschke wrote:

With my latest changes to master, the dependency resolution for rsb-opencv fails for a reason I cannot understand. rsb-opencv uses the usual cmake-cpp template.

I can totally believe that, but can you provide a recipe (either kind is fine) for reproducing the issue?

#2 - 09/08/2016 11:39 AM - R. Haschke

Recipe is called rsb-opencv.project. Do you need anything else? I'm working on lsp-famula-nightly.distribution in lsp-famula branch. But I guess the rsb-opencv project is part of any/most rsb-related distributions.

#3 - 09/08/2016 12:03 PM - J. Moringen

- File test.png added

R. Haschke wrote:

```
| Recipe is called rsb-opencv.project.
```

I made a minimal distribution

```
[ "rsc",          "master" ],  
  
[ "rsb-protocol", "master" ],  
[ "rsb-cpp",      "master" ],  
  
[ "rst-proto",    "master" ],  
[ "rst-converters-cpp", "master" ],  
  
[ "rsb-opencv",   "trunk" ]
```

around that recipe and its dependencies and got the attached dependency graph as well as the following output:

5 problems during INSTANTIATE/PROJECT phase:

```
#<VERSION-SPEC test:rsb-opencv:trunk {100F2C0533}> (1 missing dependency):  
No provider for (:CMAKE "OpenCV").
```

```
#<VERSION-SPEC test:rst-converters-cpp:master {100E05DEA3}> (2 missing dependencies):  
No provider for (:CMAKE "OpenCV").  
No provider for (:CMAKE "RCI" (0 5)).
```

```
#<VERSION-SPEC test:rst-proto:master {1008BE9B23}> (1 missing dependency):  
No provider for (:CMAKE "PythonInterp" (2 7)).
```

```
#<VERSION-SPEC test:rsb-cpp:master {100E9FB353}> (1 missing dependency):  
No provider for (:CMAKE "PythonInterp").
```

Is No provider for (:CMAKE "OpenCV") the dependency resolution failure, you are referring to?

```
| Do you need anything else? I'm working on lsp-famula-nightly.distribution in lsp-famula branch. But I guess the rsb-opencv project is part of  
| any/most rsb-related distributions.
```

Not sure yet. If your issue is with OpenCV, I would say that cannot be fixed at the moment. Otherwise, I'm not sure where the problem is.

#4 - 09/08/2016 01:51 PM - R. Haschke

It's not the OpenCV dependency that poses the problem for me.

Rather, rsb-opencv is not listed with any failed dependencies **and** dependencies to rsc, rsb, and rst are not considered.

4 problems during INSTANTIATE/PROJECT phase:

#<VERSION-SPEC foo:rst-converters-cpp:master {100DFF66C3}> (2 missing dependencies):

No provider for (:CMAKE "OpenCV").

No provider for (:CMAKE "RCI" (0 5)).

#<VERSION-SPEC foo:rst-PROTO:master {100E328963}> (1 missing dependency):

No provider for (:CMAKE "PythonInterp" (2 7)).

#<VERSION-SPEC foo:rsb-cpp:master {1009E4A253}> (1 missing dependency):

No provider for (:CMAKE "PythonInterp").

It's strange, that for you, the dependencies are found.

#5 - 09/08/2016 01:56 PM - J. Moringen

R. Haschke wrote:

It's not the OpenCV dependency that poses the problem for me.

*Rather, rsb-opencv is not listed with any failed dependencies **and** dependencies to rsc, rsb, and rst are not considered.*

[...]

It's strange, that for you, the dependencies are found.

I have two suggestions for moving this forward:

1. You try looking through the generator output to check whether the rsb-opencv recipe was dropped completely in your generator run
2. I will try reproducing the issue with lsp-famula-nightly.distribution in the lsp-famula branch

#6 - 09/08/2016 02:25 PM - J. Moringen

I have reproduced the problem. A seems to be caused by a template change. Not sure which one, yet.

#7 - 09/08/2016 03:17 PM - J. Moringen

- Status changed from New to In Progress

- % Done changed from 0 to 50

Seems to be a combination of template changes and a bug concerning variable inheritance between templates.

#8 - 09/08/2016 05:48 PM - J. Moringen

- Status changed from In Progress to Resolved

- % Done changed from 50 to 100

Applied in changeset commit:caaf6623b565a2c271460bb1431d378435998815.

#9 - 09/30/2016 10:45 AM - J. Moringen

- Target version set to 0.7

Files

test.png	55.7 KB	09/08/2016	J. Moringen
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