mrb - Bug #18356

MRB does not properly handle qualifier-versioned products

11/21/2017 10:54 AM - Eric Flumerfelt

Status:	Closed		Start date:	11/21/2017
Priority:	Normal		Due date:	
Assignee:	Lynn Garren		% Done:	100%
Category:			Estimated time:	16.00 hours
Target version:			Spent time:	12.00 hours

Description

The current artdaq-core product_deps has the following: #
product   version   optional
canvas   v3_00_03   s56
...
canvas   v1_06_02   s46
canvas_root_io v1_00_02   s58
canvas_root_io v1_00_01   s57
TRACE   v3_09_01
cetbuildtools v5_14_03   -   only_for_build
end_product_list

1. ~~nq~~ means there is no qualifier
2. a "-" means the dependent product is not required by the parent and will not be setup
   qualifier   canvas   canvas_root_io TRACE   notes
   e15:s58:debug   -   e15:debug   ~~nqstd=c++14~~
   ...
   ~~nu:e14:s56:debug   nu:e14:debug   -   nq~~   -std=c++14

When running in an MRB area with qualifiers e14:s50:debug, I get the following error from mrbsetenv:
[eflumerf@ironwork artdaq-mrb-base]$ mrb z
Removing everything in /home/eflumerf/Desktop/artdaq-mrb-base/build_slf7.x86_64_s50-e14-debug
You must now run the following:
mrbsetenv
[eflumerf@ironwork artdaq-mrb-base]$ mrbsetenv
The working build directory is /home/eflumerf/Desktop/artdaq-mrb-base/build_slf7.x86_64_s50-e14-debug
The source code directory is /home/eflumerf/Desktop/artdaq-mrb-base/srcs
---------- check this block for errors ----------------------
ERROR: no match to qualifier list for canvas_root_io

[eflumerf@ironwork artdaq-mrb-base]$

I have traced this issue to the logic in mrb_parse_deps.pm, around line 986. It appears as it if is setup to deal with lines like the cetbuildtools setup, where the optional or only_for_build flags are used, but not for the specific combination of optional <qualifier> specifying a version of the product, and then the product not being used in all qualifier combinations. The artdaq product_deps has similar logic with mpich/mvapich, but they are not qualified in the product list.

Related issues:

Related to mrb - Bug #18624: "dependent product is not required" not handled	**Accepted**	**12/26/2017**

History

#1 - 11/27/2017 11:28 AM - Kyle Knoepfel

- Status changed from New to Assigned

- Assignee set to Lynn Garren

- Estimated time set to 16.00 h

#2 - 01/08/2018 11:57 AM - Kyle Knoepfel

- Related to Bug #18624: "dependent product is not required" not handled added

#3 - 01/17/2018 09:52 PM - Lynn Garren

- Status changed from Assigned to Feedback

- % Done changed from 0 to 100

I believe that this problem is resolved with mrb v1_13_02, available on SciSoft. Please test and let us know if you still have problems.

#4 - 01/18/2018 08:06 AM - Eric Flumerfelt

Yes, it does appear to be resolved now.

Thanks!
Eric

#5 - 01/22/2018 11:25 AM - Lynn Garren

- Status changed from Feedback to Resolved

Thanks Eric, resolving this issue.

#6 - 04/23/2018 04:30 PM - Lynn Garren

- Status changed from Resolved to Closed

- Status changed from Assigned to Feedback

- % Done changed from 0 to 100

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#4 - 01/18/2018 08:06 AM - Eric Flumerfelt

Yes, it does appear to be resolved now.