
Subject: install_cmake.sh script does not recognize installed cmake correctly

Posted by roklasen@uni-mainz.de on Wed, 15 Feb 2017 09:40:00 GMT

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Hello everyone,

I just tried installing the FairSoft external packages onto the HIMster in Mainz using this guide:
<https://panda-wiki.gsi.de/foswiki/bin/view/Computing/PandaRootInstallGit>

On the HIMster, cmake --version outputs the following:

```
cmake version 3.5.0-rc2
```

CMake suite maintained and supported by Kitware (kitware.com/cmake).

The last line is ignored by the install_cmake.sh script correctly, but it does not recognize the patch version as 0 but instead fails to parse 0-rc2 completely:

```
/home/klasen/fairsoft_may16p1/buildFairsoft
scripts/install_cmake.sh: line 28: [: 0-rc2: integer expression expected
Found cmake version 3.5.0-rc2 which is older than the
required version 3.3.0 in PATH
This version is to old
install cmake as external package
```

Consequently, it installs cmake 3.3.2, but that version is too old as well:

```
CMake Error at CMakeLists.txt:2 (cmake_minimum_required):
  CMake 3.4.3 or higher is required.  You are running version 3.3.2
```

On HIMster, this is fixable if we correct the patch version parser to install_cmake.sh:

```
--cmake_installed_patch_version=$(echo $cmake_version_string | cut -d. -f3)
++cmake_installed_patch_version=$(echo $cmake_version_string | cut -d. -f3 | grep -oP
'[0-9]{1,3}' | head -1)
```

Can we add this parser fix to the install_cmake.sh script, even though this might be a border case? Also, if the script does install cmake, it should install 3.4.3 or higher, since that is the version that is actually needed.

Thank you!
