

## Cognitive Interaction Toolkit - Bug #307

### Build Generator: Build steps (invoke maven, shell, etc) in Jobs that contain a subfolder are not executed in the right order

2014-10-13 15:46 - Florian Lier

<b>Status:</b>	Resolved	<b>Start date:</b>	2014-10-13
<b>Priority:</b>	High	<b>Due date:</b>	
<b>Assignee:</b>	Jan Moringen	<b>% Done:</b>	60%
<b>Category:</b>	build-generator	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	Toolkit 0.1	<b>Spent time:</b>	0.10 hour
<b>Description</b>			
Build Generator: Build steps (invoke maven, shell, etc) in Jobs that contain a subfolder are not executed in the right order.			
For Example, if you need to move a directory to the top-level folder in order to invoke maven (pom) or cmake-based build tools, the build process fails because maven (cmake, whatever) is actually invoked before the folder, constrain the cmake or pom file, is moved.			
See:			
<a href="http://bnd.csra.cit-ec.de:8080/job/flobidev-basic-hlc_client_java-master-toolkit-nightly/configure">http://bnd.csra.cit-ec.de:8080/job/flobidev-basic-hlc_client_java-master-toolkit-nightly/configure</a>			
Unfortunately, I cannot tell you what version of the build-gen is installed on bnd. I assume the latest one.			
Can you confirm this bug?			

#### Associated revisions

##### Revision 3e408be5 - 2014-12-01 17:17 - Jan Moringen

Improved builder ordering in templates/{toolkit,maven}.template

refs #333, refs #307, refs #344

- templates/T001-toolkit.template: pre-build-hook before <all> and before git
- templates/T200-maven.template: maven.prepare-version before maven; maven.deploy-dependencies after maven

#### History

##### #1 - 2014-10-13 15:50 - Simon Schulz

some additional info: this is related git projects with subfolders

the subfolder is moved to the build directory after your shell code is run

##### #2 - 2014-10-13 16:01 - Florian Lier

...but related to *any* kind of project file that contains the "subfolder" variable

##### #3 - 2014-10-13 16:26 - Jan Moringen

- Status changed from New to Feedback

Please try the 0.3 version of the generator (See Johannes' email).

#### #4 - 2014-10-23 17:05 - Jan Moringen

- Status changed from Feedback to Resolved

- % Done changed from 0 to 100

#### #5 - 2014-11-11 15:31 - Simon Schulz

bug still exists...

build-generator version 0.3.36

```
{
  "name": "libreflexxes",
  "templates": [ "cor-lab", "freestyle" ],

  "catalogue.component.title": "libreflexxes",
  "catalogue.component.nid": "0",

  "variables": {
    "description": "libreflexxes - a motion/trajectory generation lib. we use the open source type2 library (no jerk limitation). the type5 library is available for academic use for free (contact reflexxes.com)",
    "keywords": [ "motion", "trajectory", "planning" ],

    "repository": "https://projects.cit-ec.uni-bielefeld.de/git/flobidev.core/",
    "sub-directory": "external/ReflexxesTypeII_v1.2.3/",
    "branches": [ "master" ],

    "extra-provides" : [
      [ "cmake", "libreflexxes" ]
    ],

    "shell.command": "
ARCH=$(case $(uname -m) in (i686) echo x86 ;; (x86_64) echo x64 ;; esac)
ls -al
ls -al *
cd Linux
make all
mkdir -p ${toolkit.dir}/lib/pkgconfig
mkdir -p ${toolkit.dir}/include
install \${ARCH}/release/lib/shared/libReflexxesTypeII.so ${toolkit.dir}/lib
install ../include/*.h ${toolkit.dir}/include
echo "#pkg config file for reflexxes lib\nprefix=${toolkit.dir}\nexec_prefix=${prefix}\nlibdir=${prefix}/lib\nincludedir=${prefix}/include\nName: reflexxes\nDescription: reflexxes motion lib\nVersion: 1.2.3\nRequires:\nLibs: -L\${libdir} -lReflexxesTypeII\nCflags: -I\${includedir}\n\n" >
${toolkit.dir}/lib/pkgconfig/libReflexxesTypeII.pc

"
  }
}
```

produces:

```
..
<builders>
  <udson.tasks.Shell>
  <command>
ARCH=$(case $(uname -m) in (i686) echo x86 ;; (x86_64) echo x64 ;; esac)
ls -al
ls -al *
cd Linux
make all
mkdir -p /media/local/vol/flobi-emotrack/releases/nightly/lib/pkgconfig
mkdir -p /media/local/vol/flobi-emotrack/releases/nightly/include
install \${ARCH}/release/lib/shared/libReflexxesTypeII.so /media/local/vol/flobi-emotrack/releases/nightly/lib
install ../include/*.h /media/local/vol/flobi-emotrack/releases/nightly/include
echo "#pkg config file for reflexxes lib
prefix=/media/local/vol/flobi-emotrack/releases/nightly
exec_prefix=${prefix}
libdir=${prefix}/lib
includedir=${prefix}/include
Name: reflexxes
Description: reflexxes motion lib
Version: 1.2.3
```

Requires:  
Libs: -L\${libdir} -lReflexxesTypell  
Cflags: -I\${includedir}

&quot; &gt; /media/local/vol/flobi-emoctrack/releases/nightly/lib/pkgconfig/libReflexxesTypell.pc

```
</command>  
</hudson.tasks.Shell>  
<hudson.tasks.Shell>  
<command>find . -mindepth 1 -maxdepth 1 -not -name &quot;external/ReflexxesTypell_v1.2.3/&quot; -exec rm -rf {} \;
```

```
# Uniquely rename directory.  
temp=$(mktemp -d ./XXXXXXXXXX)  
mv &quot;external/ReflexxesTypell_v1.2.3/&quot; &quot;${temp}/&quot;
```

```
# Move contents to toplevel workspace directory.  
find &quot;${temp}&quot; -mindepth 2 -maxdepth 2 -exec mv {} . \;  
rm -r &quot;${temp}&quot;;</command>  
</hudson.tasks.Shell>  
</builders>  
...
```

#### #6 - 2014-11-11 15:33 - Simon Schulz

- Status changed from Resolved to Feedback

#### #7 - 2014-11-11 19:51 - Jan Moringen

- Status changed from Feedback to Resolved

Right, the workaround is not possible for freestyle projects.

#### #8 - 2014-11-27 23:08 - Simon Schulz

still broken. see e.g. project flobidev-basic-hlc\_client\_java-master-toolkit-nightly

#### #9 - 2014-11-28 07:43 - Jan Moringen

- Status changed from Resolved to In Progress

- % Done changed from 100 to 60

still broken. see e.g. project flobidev-basic-hlc\_client\_java-master-toolkit-nightly

Sorry, I didn't mean to change this to "resolved". The combination of this redmine instance and the webbrowser sometimes causes random changes to "Status" and "% Done" when I just want to write a comment.

The situation should be as follows:

- In the 0.3 version of the generators, the problem should be fixed (or worked around, rather) with two exceptions:
  - The workaround is not applicable to freestyle projects
  - Since the Maven template currently introduces an additional shell fragment, the workaround is not applicable to Maven projects as well
- An extended aspect sorting mechanism is being developed in the generator master branch, but it is not clear whether a backport to 0.3 will make sense or not

**#10 - 2014-12-19 12:18 - Florian Lier**

- *Status changed from In Progress to Feedback*

This should be fixed right?

**#11 - 2015-01-05 17:03 - Florian Lier**

- *Status changed from Feedback to Resolved*