

Cognitive Interaction Toolkit - Bug #301

Job configurator fails to checkout git branch

2014-10-05 10:14 - Sebastian Wrede

Status:	Resolved	Start date:	2014-10-05
Priority:	High	Due date:	
Assignee:	Jan Moringen	% Done:	100%
Category:	build-generator	Estimated time:	0.00 hour
Target version:		Spent time:	0.00 hour
Description			
Environment: Ubuntu 14.04.1			
Problem: Can't checkout a specific branch in a git repository. The example project here is rsb-matlab. However, I also experienced this problem with other projects. Using the command line, the checkout of this specific branch works without problems.			
swrede@ubuntu:~/workspace/citk\$ job-configurator --on-error=continue -d distributions/fleximon.distribution -t 'templates/*.template' 1 problem during ANALYZE/PROJECT phase:			
ANALYSIS-ERROR: Error during analysis of #<PROJECT-SPEC rsb-matlab {F52FB81}> Caused by: > Error during analysis of https://code.cor-lab.org/git/rsb.git.matlab Caused by: > > Command > > > > ("git" "--work-tree" #P"/tmp/project.irnkL8/rsb.git.matlab/" "--git-dir" #P"/tmp/project.irnkL8/rsb.git.matlab/.git/" "checkout" "--quiet" "fleximon") > > > > failed with output: > > > > error: pathspec 'fleximon' did not match any file(s) known to git. > >			
1 problem during RESOLVE/DISTRIBUTION phase:			
SIMPLE-ERROR: Could not find version "fleximon" in project #<PROJECT-SPEC rsb-matlab {F52FB81}>.			

History

#1 - 2014-10-05 10:20 - Sebastian Wrede

- Description updated

#2 - 2014-10-05 11:05 - Sebastian Wrede

Just an observation: This does not happen on my Ubuntu 12.02 install. Maybe it is related to the different git versions, which are:

- Ubuntu 14.04: 1.9.1
- Ubuntu 12.04: 1.7.9.5

#3 - 2014-10-06 01:29 - Jan Moringen

Seems to be change in git behavior for **shallow** clones (note the --depth=1 and the different number of transferred objects):

```
jmoringe@mica:/tmp $ git --version
git version 1.7.9.5
jmoringe@mica:/tmp$ git clone --depth=1 https://code.cor-lab.org/git/rsb.git.matlab
Cloning into 'rsb.git.matlab'...
remote: Counting objects: 120, done.
remote: Compressing objects: 100% (98/98), done.
```

```
remote: Total 120 (delta 45), reused 50 (delta 8)
Receiving objects: 100% (120/120), 4.22 MiB, done.
Resolving deltas: 100% (45/45), done.
jmorninge@mica:/tmp$ cd rsb.git.matlab/
jmorninge@mica:/tmp/rsb.git.matlab$ git branch fleximon
jmorninge@mica:/tmp/rsb.git.matlab$
```

```
jmorninge@fuchsit /t/rsb.git.matlab:master> git --version
git version 2.1.1
jmorninge@fuchsit /tmp> git clone --depth=1 https://code.cor-lab.org/git/rsb.git.matlab
Cloning into 'rsb.git.matlab'...
remote: Counting objects: 50, done.
remote: Compressing objects: 100% (46/46), done.
remote: Total 50 (delta 5), reused 29 (delta 0)
Unpacking objects: 100% (50/50), done.
Checking connectivity... done.
jmorninge@fuchsit /tmp> cd rsb.git.matlab/
jmorninge@fuchsit /t/rsb.git.matlab:master> git checkout fleximon
error: pathspec 'fleximon' did not match any file(s) known to git.
```

#4 - 2014-10-06 01:31 - Jan Moringen

- Status changed from New to In Progress

Newer git versions seem to require the --no-single-branch clone option to make all branches available in a shallow clone. See <http://git-scm.com/docs/git-clone>.

#5 - 2014-10-06 10:40 - Johannes Wienke

Maybe we can get around this error by specifying the branch already at the clone operation using -b?

#6 - 2015-10-12 17:42 - Jan Moringen

- % Done changed from 0 to 50

Will probably be solved by the solution for #412.

#7 - 2016-04-08 11:50 - Jan Moringen

- Status changed from In Progress to Resolved

- % Done changed from 50 to 100

Should be fixed in build-generator master.