

Ruby - Bug #12239

configure script does not detect Git when in a working tree with non-directory .git

04/01/2016 04:30 AM - rhenium (Kazuki Yamaguchi)

Status:	Closed	
Priority:	Normal	
Assignee:		
Target version:		
ruby -v:		Backport: 2.1: UNKNOWN, 2.2: UNKNOWN, 2.3: UNKNOWN

**Description**

make up doesn't work well on a Git working tree created by git-worktree add.

```
% git clone https://github.com/ruby/ruby.git ruby-src
% cd ruby-src
% git worktree add -f test-tree trunk
% cd test-tree
% autoconf && ./configure
% make up
# =>
cannot
retrieving mspec ...
Cloning into 'spec/mspec'...
remote: Counting objects: 5135, done.
...
% grep VCS Makefile
# =>
VCS          = echo cannot
...
```

The current configure script's VCS detection flow is:

1. If svn into \$srcdir succeeds  
-> VCS=svn
2. If \$srcdir/.git/svn is a directory  
-> VCS="git svn"
3. If \$srcdir/.git is a directory  
-> VCS=git
4. If none satisfy  
-> VCS="echo cannot"

The 2. and 3. are problematic.  
When \$srcdir is a Git working tree created by git-worktree add (or is a submodule), \$srcdir/.git is not a directory but a file pointing at the real git directory.

I attached a patch which fixes this using git-rev-parse: we can get the real git directory (such as .git and .git/worktrees/test-tree) with git --work-tree="\$srcdir" --git-dir="\$srcdir/.git" rev-parse --git-dir.  
git-worktree is a fairly new command but the --work-tree option exists since Git 1.5.3 (released in 2010).

On nmake, the VCS detection is done by checking for the existence of \$srcdir/{svn,git,git/svn} (regardless of the type), so it works for plain Git working trees but not for git-svn trees.  
However I don't know how to get command output with nmake, so I left win32/Makefile.sub untouched.

Associated revisions

Revision 69d6e315b565a1c6956b101503c39ff286e51fa5 - 04/01/2016 05:55 AM - nobu (Nobuyoshi Nakada)

improve git repository detection

- configure.in (AC\_CONFIG\_FILES): \$srcdir/.git can be a file pointing the real git\_dir, such as when the git working tree is a "linked working tree" (a working tree created by git-worktree). So use git-rev-parse --git-dir to check if \$srcdir is the top-level of a git repository, not just checking if the \$srcdir/.git directory does exist

- or not. [ruby-core:74759] [Bug #12239]
- tool/change\_maker.rb: use tool/vcs.rb to detect VCS. This used to have its own VCS detection code, while we have tool/vcs.rb.
- tool/vcs.rb (detect): remove code duplication

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@54468 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

## Revision 69d6e315 - 04/01/2016 05:55 AM - nobu (Nobuyoshi Nakada)

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## History

### #1 - 04/01/2016 05:55 AM - nobu (Nobuyoshi Nakada)

- Status changed from Open to Closed

Applied in changeset r54468.

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## Files

0001-improve-git-repository-detection.patch	3.11 KB	03/31/2016	rhenium (Kazuki Yamaguchi)
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