Ruby - Bug #13542

MinGW trunk Builds - Summary of Issues

05/04/2017 04:33 PM - MSP-Greg (Greg L)

Status:	Closed		
Priority:	Normal		
Assignee:			
Target version:			
ruby -v:	ruby 2.5.0dev (2017-05-04 trunk 58568) [x64-mingw32]	**Backport:**	2.2: UNKNOWN, 2.3: UNKNOWN, 2.4: UNKNOWN

Description

It appears that 64 bit MinGW trunk build results in test-all are stable . The only inconsistent item is the number of reported assertions. See Ruby MinGW 'test-all' Results for details. The build system I use is available at MSP-Greg / ruby-loco.

Build & test-all Info / Issues:

Two patches are applied for building - configure.in and include/ruby/defines.h.

Four items related to test-all, which are also detailed on the web page.

1. test-all SEGV - TestEnumerable#test_callcc - This causes a 'logged' segv, which is attached and listed here. Note that the only difference between this assert and the next one is the array length, [o, o].sort_by {|x| x } vs [o, o, o].sort_by {|x| x }. Checking blame, it was added for code coverage. See patch. I believe a 32 bit build requires a more extensive patch.

2. test-all 'silent' stop - TestSocket#test_closed_read, see patch.

3. Failures / Errors - 8 failures and 1 error are consistently generated. Listed on web page.

4. Readline & temp files - there may be issues with using GNU Readline on Windows, but it passes all tests except TestReadline#test_input_metachar. A patch is used for temp files, otherwise failures occur on Windows.

I realize that MinGW is considered a Tier 2 platform, and that these issues may have existed for quite some time.

Given that most mentions of Ruby and Windows also mention MinGW builds, I hope that, in time, these issues can be addressed. Hopefully, consideration can be given to moving MinGW to a Tier 1 platform, along with appveyor testing of it, instead of mswin64.

Thanks for everyone's help. If there is anything else I can do, please let me know.

Since I've only identified issues, but not their causes, please close the following issues:

13500 MinGW TestArity#test_proc_err_mess stops testing - not an issue in current builds

13496 Patches for MinGW builds - addressed here

13485 MinGW TestEnumerable#test_callcc SEGV info - addressed here

13441 building - GIT variable, ruby, rubygems tests - not an issue in current builds, commits in RubyGems

13390 MinGW build test-all SEGV, issue in test framework or err - not an issue in current builds

13298 mingw SEGV TestEnumerable#test_callcc (Assigned) - Continuation is sort of deprecated, addressed here

13269 test/readline/test_readline.rb and mingw - addressed here, more an issue with Windows and temp files

12595 Documentation - needn't be on the list...

History

#1 - 05/07/2017 03:17 PM - MSP-Greg (Greg L)

Saturday, I ran spec/mspec for the first time in a while, and today it was added to the ruby repo. I'm having some issues integrating it into the build environment, but the following is the output from running mspec :core and mspec :library. Since the tests use non-native windows commands, one must have the msys2 usr/bin folder in one's path.

Results have one failure.

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - :core
E:\GitHub\spec>..\mspec\bin\mspec :core
$ ruby E:/GitHub/mspec/bin/mspec-run :core
ruby 2.5.0dev (2017-05-07 trunk 58602) [x64-mingw32]

1)
Time#zone defaults to UTC when bad zones given FAILED
Expected 3600
 to equal 0

E:/GitHub/spec/core/time/zone_spec.rb:68:in `block (4 levels) in <top (required)>'
E:/GitHub/spec/core/time/zone_spec.rb:67:in `block (3 levels) in <top (required)>'
E:/GitHub/spec/core/time/zone_spec.rb:3:in `<top (required)>'
[| | ==================100%================== | 00:00:00]      1F        0E

1765 files, 17602 examples, 178151 expectations, 1 failure, 0 errors, 0 tagged


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E:\GitHub\spec>..\mspec\bin\mspec :library
$ ruby E:/GitHub/mspec/bin/mspec-run :library
ruby 2.5.0dev (2017-05-07 trunk 58602) [x64-mingw32]
[/ | ==================100%================== | 00:00:00]      0F        0E

1675 files, 4963 examples, 17447 expectations, 0 failures, 0 errors, 0 tagged
```

Also, for the last build (2017-05-07 trunk 58602), I was able to use make -j3 instead of make -j1.

#2 - 05/15/2017 02:41 PM - MSP-Greg (Greg L)

I'm now running both of the following with my daily builds:

```
make -ij1 "MSPECOPT=-Vfs command_line language library core optional/capi" test-rubyspec
```

and

```
..\mspec\bin\mspec -Vfs :command_line :language :library :core
```

I've added a results table to Ruby MinGW Test Results

Thanks to nobu and everyone for the MinGW / Windows fixes.

#3 - 05/19/2017 07:04 PM - MSP-Greg (Greg L)

Built ruby 2.5.0dev (2017-05-20 trunk 58803) [x64-mingw32] and removed all encoding related settings, and also any patches affecting that. Test results here.

- test-all has an additional failure and an additional error
- test-spec no longer runs
- mspec run from a cmd window completes with an additional failure

Thank you for your help and contributions. If there is anything else I can do, please ask.

#4 - 08/23/2023 07:07 PM - jeremyevans0 (Jeremy Evans)

- Status changed from Open to Closed

Files

segv_test_enum.txt	8.71 KB	05/04/2017	MSP-Greg (Greg L)