

Ruby - Bug #13041

ruby 2.4 rc1 dtrace build fixes

12/16/2016 03:22 AM - swills (Steve Wills)

Status:	Closed	
Priority:	Normal	
Assignee:		
Target version:		
ruby -v:		
		Backport: 2.1: UNKNOWN, 2.2: UNKNOWN, 2.3: UNKNOWN
Description		
In FreeBSD before 11.0, using dtrace -G or -h will not work in a jail or without dtrace kernel modules loaded unless the -xnolibs flag is passed as well. Since we build in jails, this is needed during our build, so we have this patch:		
https://svnweb.freebsd.org/ports/head/lang/ruby22/files/patch-Makefile.in?revision=369732&view=markup		
We have used it with ruby 2.2, and 2.3 for a long time. Please consider it or a similar change for Ruby 2.4		

Associated revisions

Revision 756895dd0e08176fce2490734c7d09627abd07ae - 12/16/2016 12:16 PM - nobu (Nobuyoshi Nakada)

dtrace build fixes on FreeBSD

- configure.in (RUBY_DTRACE_AVAILABLE, RUBY_DTRACE_POSTPROCESS):
incorporate dtrace build fix on FreeBSD, dtrace needs -xnolibs
in a jail. [ruby-core:78676] [Bug #13041]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@57093 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 756895dd - 12/16/2016 12:16 PM - nobu (Nobuyoshi Nakada)

dtrace build fixes on FreeBSD

- configure.in (RUBY_DTRACE_AVAILABLE, RUBY_DTRACE_POSTPROCESS):
incorporate dtrace build fix on FreeBSD, dtrace needs -xnolibs
in a jail. [ruby-core:78676] [Bug #13041]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@57093 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision d4ff516f33342452c03900e5aa719b0da779e5c8 - 12/17/2016 12:01 AM - nobu (Nobuyoshi Nakada)

configure.in: fix r57093

- configure.in (RUBY_DTRACE_AVAILABLE): try -xnolibs first.
[ruby-core:78676] [Bug #13041]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@57097 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision d4ff516f - 12/17/2016 12:01 AM - nobu (Nobuyoshi Nakada)

configure.in: fix r57093

- configure.in (RUBY_DTRACE_AVAILABLE): try -xnolibs first.
[ruby-core:78676] [Bug #13041]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@57097 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History

#1 - 12/16/2016 03:25 AM - swills (Steve Wills)

Sorry, forgot the configure fix as well:

<https://svnweb.freebsd.org/ports/head/lang/ruby20/files/patch-configure.in?view=markup&pathrev=369732>

(first part only, rest is other fixes)

- Status changed from Open to Feedback

Does this patch work?

```

diff --git c/Makefile.in i/Makefile.in
index 9c8748aa4d..52618232b0 100644
--- c/Makefile.in
+++ i/Makefile.in
@@ -174,7 +174,7 @@ OBDUMP      = @OBDUMP@
 OBJCOPY      = @OBJCOPY@
 VCS          = @VCS@
 VCSUP        = @VCSUP@
-DTRACE       = @DTRACE@
+DTRACE       = @DTRACE@ @DTRACE_OPT@
 DTRACE_EXT   = @DTRACE_EXT@
 DTRACE_OBJ   = @DTRACE_OBJ@
 DTRACE_REBUILD= @DTRACE_REBUILD@
diff --git c/configure.in i/configure.in
index 3e41be3b6d..2ab336ee23 100644
--- c/configure.in
+++ i/configure.in
@@ -640,18 +640,19 @@ AC_DEFUN([RUBY_DTRACE_AVAILABLE],
 [AC_CACHE_CHECK([whether dtrace USDT is available, rb_cv_dtrace_available,
 [
   echo "provider conftest{ probe fire(); }; " > conftest_provider.d
-   if $DTRACE -h -o conftest_provider.h -s conftest_provider.d >/dev/null 2>/dev/null; then
-     AC_TRY_COMPILE([@%:@include "conftest_provider.h"], [CONFTEST_FIRE();], [
- # DTrace is available on the system
- rb_cv_dtrace_available=yes
- ], [rb_cv_dtrace_available=no])
-   else
-     # DTrace is not available while dtrace command exists
-     # for example FreeBSD 8 or FreeBSD 9 without DTrace build option
-     rb_cv_dtrace_available=no
-   fi
+   rb_cv_dtrace_available=no
+   AS_FOR(opt, rb_dtrace_opt, ["-xnolibs" ""], [
+ AS_IF([$DTRACE -h -o conftest_provider.h -s conftest_provider.d >/dev/null 2>/dev/null],
+   [AC_TRY_COMPILE([@%:@include "conftest_provider.h"], [CONFTEST_FIRE();], [
+ # DTrace is available on the system
+ rb_cv_dtrace_available=yes${rb_dtrace_opt:+ " (opt)"}
+ break
+ ])]))
+   ])
+   rm -f conftest.[co] conftest_provider.[dho]
 ])
+AS_CASE(["$rb_cv_dtrace_available"], ["yes(*)"],
+ [DTRACE_OPT=`expr "$rb_cv_dtrace_available" : "yes(\\(.*)\\)"`])
 ])

 AC_DEFUN([RUBY_DTRACE_POSTPROCESS],
@@ -3990,48 +3991,45 @@ AC_ARG_ENABLE([dtrace],
 [enable DTrace for tracing inside ruby. enabled by default on systems having dtrace]),
 [enable_dtrace=$enableval], [enable_dtrace=auto])

-if test "${enable_dtrace}" = "auto"; then
-  if test x"$DTRACE" != x -a x"$cross_compiling" != xyes; then
-    RUBY_DTRACE_AVAILABLE()
-    enable_dtrace=$rb_cv_dtrace_available
-  else
-    enable_dtrace=no
-  fi
-fi

LIBRUBY_A_OBJS='$(OBJS) '
DTRACE_REBUILD=
-if test "${enable_dtrace}" = "yes"; then
-  if test -z "$DTRACE"; then
+AS_CASE(["${enable_dtrace}"], [yes|auto], [
+  RUBY_DTRACE_AVAILABLE()
+], [
+  rb_cv_dtrace_available=no
+])

```

```

+AS_CASE(["${enable_dtrace}"], [yes], [
+  AS_IF([test -z "$DTRACE"], [
+    AC_MSG_ERROR([dtrace(1) is missing])
+  ], [test "$cross_compiling" = yes; then
+    AC_MSG_ERROR([--enable-dtrace, however, cross compiling])
+  ], [
+    else
+      RUBY_DTRACE_AVAILABLE()
+      enable_dtrace=$rb_cv_dtrace_available
+      if test "${enable_dtrace}" = "no"; then
+        AC_MSG_ERROR([--enable-dtrace, however, USDT is not available])
+      fi
+      RUBY_DTRACE_POSTPROCESS()
+      if test "$rb_cv_prog_dtrace_g" != 'no'; then
+        DTRACE_OBJ='probes.$(OBJEXT)'
+      fi
+      if test "$rb_cv_prog_dtrace_g" = 'rebuild'; then
+        DTRACE_REBUILD=yes
+        LIBRUBY_A_OBJS='${DTRACE_GLOMMED_OBJ}'
+      fi
+      AS_CASE("${target_os}", [freebsd*], [
+        # FreeBSD's dtrace requires libelf
+        LIBS="-lelf $LIBS"
+      ])
+    ], [test "${rb_cv_dtrace_available}" = "no"], [
+      AC_MSG_ERROR([--enable-dtrace, however, USDT is not available])
+    ])
+  ])
+AS_CASE([$rb_cv_dtrace_available],
+[yes*], [
+  RUBY_DTRACE_POSTPROCESS()
+  if test "$rb_cv_prog_dtrace_g" != 'no'; then
+    DTRACE_OBJ='probes.$(OBJEXT)'
+  fi
+  if test "$rb_cv_prog_dtrace_g" = 'rebuild'; then
+    DTRACE_REBUILD=yes
+    LIBRUBY_A_OBJS='${DTRACE_GLOMMED_OBJ}'
+  fi
+  AS_CASE("${target_os}", [freebsd*], [
+    # FreeBSD's dtrace requires libelf
+    LIBS="-lelf $LIBS"
+  ])
+  DTRACE_EXT=d
+else
+], [
+  enable_dtrace=no
+  DTRACE_EXT=dmyh
+fi
+])
AC_SUBST(DTRACE_EXT)
AC_SUBST(DTRACE_OBJ)
AC_SUBST(DTRACE_REBUILD)
+AC_SUBST(DTRACE_OPT)
AC_SUBST(LIBRUBY_A_OBJS)

RUBY_SETJMP_TYPE

```

#3 - 12/16/2016 09:06 AM - vo.x (Vit Ondruch)

The "-xnolibs" is not supported by SystemTap :/

```

$ dtrace -xnolibs
/usr/bin/dtrace invalid option -xnolibs
Usage /usr/bin/dtrace [--help] [-h | -G] [-C [-I<Path>]] -s File.d [-o <File>]

```

Not sure if Nobu's patch covers this ...

#4 - 12/16/2016 12:16 PM - nobu (Nobuyoshi Nakada)

- Status changed from Feedback to Closed

Applied in changeset r57093.

dtrace build fixes on FreeBSD

- #5 - 12/16/2016 04:01 PM - swills (Steve Wills)**

The "-xnolib" is not supported by SystemTap :/

SystemTap is not DTrace.

#6 - 12/16/2016 04:20 PM - swills (Steve Wills)

This fails to build now:

06/25/2025

```

ce_ruby__array__create'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/array.c:472: undefined reference to `__dtrace_enabled_ruby__array__create'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/array.c:472: undefined reference to `__dtrace_ruby__array__create'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/array.c:472: undefined reference to `__dtrace_enabled_ruby__array__create'
eval.o: In function `setup_exception':
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/eval.c:578: undefined reference to `__dtrace_enabled_ruby__raise'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/eval.c:578: undefined reference to `__dtrace_ruby__raise'
gc.o: In function `gc_prof_mark_timer_start':
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/gc.c:8655: undefined reference to `__dtrace_enabled_ruby__gc__mark__begin'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/gc.c:8655: undefined reference to `__dtrace_ruby__gc__mark__begin'
gc.o: In function `gc_prof_mark_timer_stop':
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/gc.c:8666: undefined reference to `__dtrace_enabled_ruby__gc__mark__end'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/gc.c:8666: undefined reference to `__dtrace_ruby__gc__mark__end'
gc.o: In function `gc_prof_sweep_timer_start':
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/gc.c:8678: undefined reference to `__dtrace_enabled_ruby__gc__sweep__begin'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/gc.c:8678: undefined reference to `__dtrace_ruby__gc__sweep__begin'
gc.o: In function `gc_prof_sweep_timer_stop':
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/gc.c:8691: undefined reference to `__dtrace_enabled_ruby__gc__sweep__end'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/gc.c:8691: undefined reference to `__dtrace_ruby__gc__sweep__end'
hash.o: In function `empty_hash_alloc':
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/hash.c:435: undefined reference to `__dtrace_enabled_ruby__hash__create'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/hash.c:435: undefined reference to `__dtrace_ruby__hash__create'
load.o: In function `rb_require_internal':
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/load.c:967: undefined reference to `__dtrace_enabled_ruby__require__entry'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/load.c:980: undefined reference to `__dtrace_enabled_ruby__find__require__entry'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/load.c:967: undefined reference to `__dtrace_ruby__require__entry'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/load.c:980: undefined reference to `__dtrace_ruby__find__require__entry'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/load.c:985: undefined reference to `__dtrace_enabled_ruby__find__require__return'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/load.c:985: undefined reference to `__dtrace_ruby__find__require__return'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/load.c:1024: undefined reference to `__dtrace_enabled_ruby__require__return'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/load.c:1024: undefined reference to `__dtrace_ruby__require__return'
load.o: In function `rb_f_load':
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/load.c:704: undefined reference to `__dtrace_enabled_ruby__load__entry'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/load.c:716: undefined reference to `__dtrace_enabled_ruby__load__return'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/load.c:704: undefined reference to `__dtrace_ruby__load__entry'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/load.c:716: undefined reference to `__dtrace_ruby__load__return'
object.o: In function `rb_obj_alloc':
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/object.c:1860: undefined reference to `__dtrace_enabled_ruby__object__create'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/object.c:1860: undefined reference to `__dtrace_ruby__object__create'
parse.o: In function `yycompile0':
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/parse.y:5382: undefined reference to `__dtrace_enabled_ruby__parse__begin'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/parse.y:5382: undefined reference to `__dtrace_ruby__parse__begin'

```

```

/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/parse.y:5386: undefined reference to `__dtrace_enabled_ruby__parse__end'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/parse.y:5386: undefined reference to `__dtrace_ruby__parse__end'
string.o: In function `str_new0':
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/string.c:702: undefined reference to `__dtrace_enabled_ruby__string__create'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/string.c:702: undefined reference to `__dtrace_ruby__string__create'
string.o: In function `str_new_static':
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/string.c:808: undefined reference to `__dtrace_enabled_ruby__string__create'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/string.c:808: undefined reference to `__dtrace_ruby__string__create'
string.o: In function `rb_str_resurrect':
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/string.c:1393: undefined reference to `__dtrace_enabled_ruby__string__create'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/string.c:1393: undefined reference to `__dtrace_ruby__string__create'
string.o: In function `empty_str_alloc':
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/string.c:689: undefined reference to `__dtrace_enabled_ruby__string__create'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/string.c:689: undefined reference to `__dtrace_ruby__string__create'
symbol.o: In function `dsymbol_alloc':
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/symbol.c:487: undefined reference to `__dtrace_enabled_ruby__symbol__create'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/symbol.c:487: undefined reference to `__dtrace_ruby__symbol__create'
symbol.o: In function `register_static_symid_str':
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/symbol.c:419: undefined reference to `__dtrace_enabled_ruby__symbol__create'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/symbol.c:419: undefined reference to `__dtrace_ruby__symbol__create'
vm.o: In function `vm_exec_core':
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/insns.def:550: undefined reference to `__dtrace_enabled_ruby__hash__create'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/insns.def:550: undefined reference to `__dtrace_ruby__hash__create'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/insns.def:823: undefined reference to `__dtrace_enabled_ruby__cmethod__entry'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/insns.def:813: undefined reference to `__dtrace_enabled_ruby__method__entry'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/insns.def:814: undefined reference to `__dtrace_enabled_ruby__method__return'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/insns.def:815: undefined reference to `__dtrace_enabled_ruby__cmethod__entry'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/insns.def:816: undefined reference to `__dtrace_enabled_ruby__cmethod__return'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/insns.def:826: undefined reference to `__dtrace_enabled_ruby__method__return'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/insns.def:826: undefined reference to `__dtrace_ruby__method__return'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/insns.def:829: undefined reference to `__dtrace_enabled_ruby__cmethod__return'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/insns.def:829: undefined reference to `__dtrace_ruby__cmethod__return'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/insns.def:820: undefined reference to `__dtrace_enabled_ruby__method__entry'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/insns.def:820: undefined reference to `__dtrace_ruby__method__entry'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/insns.def:823: undefined reference to `__dtrace_enabled_ruby__cmethod__entry'
vm.o: In function `rb_clear_method_cache_by_class':
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/./vm_method.c:101: undefined reference to `__dtrace_enabled_ruby__method__cache__clear'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/./vm_method.c:101: undefined reference to `__dtrace_ruby__method__cache__clear'
vm.o: In function `rb_vm_pop_cfunc_frame':
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/vm.c:526: undefined reference to `__dtrace_enabled_ruby__cmethod__return'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/vm.c:526: undefined reference to `__dtrace_ruby__cmethod__return'
vm.o: In function `vm_exec':
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/vm.c:1741: undefined reference to `__dtrace

```

```

enabled_ruby__cmethod__return'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/vm.c:1741: undefined reference to `__dtrace
__ruby__cmethod__return'
vm.o: In function `core_hash_from_ary':
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/vm.c:2624: undefined reference to `__dtrace
enabled_ruby__hash__create'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/vm.c:2624: undefined reference to `__dtrace
__ruby__hash__create'
vm.o: In function `vm_call_cfunc_with_frame':
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/./vm_insnhelper.c:1741: undefined reference
to `__dtraceenabled_ruby__cmethod__entry'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/./vm_insnhelper.c:1761: undefined reference
to `__dtraceenabled_ruby__cmethod__return'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/./vm_insnhelper.c:1741: undefined reference
to `__dtrace_ruby__cmethod__entry'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/./vm_insnhelper.c:1761: undefined reference
to `__dtrace_ruby__cmethod__return'
vm.o: In function `vm_call0_cfunc_with_frame':
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/./vm_eval.c:119: undefined reference to `__
dtraceenabled_ruby__cmethod__entry'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/./vm_eval.c:140: undefined reference to `__
dtraceenabled_ruby__cmethod__return'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/./vm_eval.c:119: undefined reference to `__
dtrace_ruby__cmethod__entry'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/./vm_eval.c:140: undefined reference to `__
dtrace_ruby__cmethod__return'
vm.o: In function `invoke_bmethod':
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/vm.c:986: undefined reference to `__dtracee
nabled_ruby__method__entry'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/vm.c:990: undefined reference to `__dtracee
nabled_ruby__method__return'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/vm.c:986: undefined reference to `__dtrace_
ruby__method__entry'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/vm.c:990: undefined reference to `__dtrace_
ruby__method__return'
vm.o: In function `hook_before_rewind':
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/vm.c:1594: undefined reference to `__dtrace
enabled_ruby__method__return'
/usr/local/poudriere/ports/default/lang/ruby24/work/ruby-2.4.0-rc1/vm.c:1594: undefined reference to `__dtrace
__ruby__method__return'
cc: error: linker command failed with exit code 1 (use -v to see invocation)

```

#7 - 12/16/2016 04:25 PM - vo.x (Vit Ondruch)

Steve Wills wrote:

Vit Ondruch wrote:

The "-xnolibs" is not supported by SystemTap :/

SystemTap is not DTrace.

SystemTap is Linux equivalent of DTrace and provides the dtrace tool with the same purpose of DTrace one ...

#8 - 12/16/2016 04:26 PM - swills (Steve Wills)

I suspect the build failure is due to the fact that dtrace -G modifies the .o files to remove the dtrace symbols.

#9 - 12/16/2016 04:27 PM - swills (Steve Wills)

Vit Ondruch wrote:

Steve Wills wrote:

Vit Ondruch wrote:

The "-xnolibs" is not supported by SystemTap :/

SystemTap is not DTrace.

SystemTap is Linux equivalent of DTrace and provides the dtrace tool with the same purpose of DTrace one ...

It may provide a program with the same name, but it is not equivalent. If it did, this fix wouldn't break it for you.

#10 - 12/16/2016 09:25 PM - ngoto (Naohisa Goto)

On Solaris 10, the origin of dtrace, it seems "-xnolib" is not supported.

List of available options that can be specified with "-x" on Solaris: <http://docs.oracle.com/cd/E19253-01/817-6223/chp-opt/index.html>

#11 - 12/16/2016 09:50 PM - vo.x (Vit Ondruch)

According to my testing, the patch committed r57093 works just fine even when the "-xnolib" is not supported. So thanks to Nobu.

#12 - 12/16/2016 11:59 PM - swills (Steve Wills)

Naohisa Goto wrote:

On Solaris 10, the origin of dtrace, it seems "-xnolib" is not supported.

List of available options that can be specified with "-x" on Solaris: <http://docs.oracle.com/cd/E19253-01/817-6223/chp-opt/index.html>

Unfortunately, that page is a bit out of date. Here's one page which has examples with -xnolib:

<http://dtrace.org/blogs/dap/2011/12/13/usdt-providers-redux/>

#13 - 12/17/2016 02:50 AM - swills (Steve Wills)

Tried everything I could, but still can't get things to link, on 11.0 or 12-CURRENT. If I'm doing something wrong, please let me know.

#14 - 12/17/2016 01:32 PM - swills (Steve Wills)

Looks like r57101 r57102 r57103 and r57104 fixed this. Thanks!