Ruby - Bug #5491

build failure on Tru64 UNIX 5.1

10/27/2011 11:37 AM - twwlogin (The Written Word Inc)

Status:	Closed		
Priority:	Normal		
Assignee:			
Target version:	1.9.2		
ruby -v:	UNKNOWN	**Backport:**	

Description

Building 1.9.2 with latest svn revision at 33531 produces a build error because <c_except.h> defines leave and except:
/* definitions of keywords and intrinsic function names */
#ifndef __cplusplus
#define try   __builtin_try
#endif
#define except   __builtin_except
#define leave   __builtin_leave
#define finally   __builtin_finally

cc -ieee   -g -I. -I.ext/include/alphaev67-osf5.1 -I./include -I. -DRUBY_EXPORT   -o compile.o -c compile.c
cc: Error: compile.c, line 504: In this statement, "YARVINSN___builtin_leave" is not declared. (undeclared)
ADD_INSN(ret, iseq->compile_data->last_line, leave);
--------^
cc: Error: compile.c, line 3584: In this statement, "YARVINSN___builtin_leave" is not declared. (undeclared)
ADD_INSN(ret, nd_line(node), leave);
-----------^
cc: Error: compile.c, line 4273: In this statement, "YARVINSN___builtin_leave" is not declared. (undeclared)
ADD_INSN(ret, nd_line(node), leave);
-------------------^
gmake: *** [compile.o] Error 1

Associated revisions

Revision 2fd8753b - 10/29/2011 12:05 AM - nobu (Nobuyoshi Nakada)

- thread_pthread.h: no Structured Exception Handling like macros.
  [ruby-core:40432] [Bug #5491]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@33546 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History

#1 - 10/27/2011 11:42 AM - twwlogin (The Written Word Inc)

- File patch added

#2 - 10/27/2011 03:00 PM - naruse (Yui NARUSE)

I understand the problem, but the patch is hard to merge.
What header includes c_excpt.h?
I want to undef them just after including a header.

#3 - 10/28/2011 01:36 PM - twwlogin (The Written Word Inc)

For compile.c, we have:
#include "ruby/ruby.h"
#include "vm_core.h"
#include "thread_pthread.h"
#include <pthread.h>
#include <pthread_exception.h>
#include <c_excpt.h>

So, if you #undef leave and #undef except after #include <pthread.h> in thread_pthread.h, that's a solution as well.

#4 - 10/28/2011 02:43 PM - nobu (Nobuyoshi Nakada)

=begin
You mean this?

diff --git a/thread_pthread.h b/thread_pthread.h
index f180a79..b3e7c36 100644
--- a/thread_pthread.h
+++ b/thread_pthread.h
@@ -32,6 +32,11 @@ typedef struct native_thread_data_struct {

#include <semaphore.h>

+#undef except
+#undef try
+#undef leave
+#undef finally
+
typedef struct rb_global_vm_lock_struct {
/* fast path */
unsigned long acquired;
=end

#5 - 10/29/2011 08:33 AM - twwlogin (The Written Word Inc)

Yes, that should work.

#6 - 10/29/2011 09:05 AM - nobu (Nobuyoshi Nakada)

- Status changed from Open to Closed

- % Done changed from 0 to 100

This issue was solved with changeset r33546.
The Written Word, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

- thread_pthread.h: no Structured Exception Handling like macros.
  [ruby-core:40432] [Bug #5491]

Files

patch	978 Bytes	10/27/2011	twwlogin (The Written Word Inc)