

Backport193 - Backport #8216

Request of backport of fix for Bug #8169

04/04/2013 12:33 PM - edelsohn (David Edelsohn)

Status:	Closed	
Priority:	Normal	
Assignee:	usa (Usaku NAKAMURA)	
Description		
Changesets r39958 and r39989 are needed on Ruby 1.9.3 branch for mkmf to properly test features on AIX.		
Related issues:		
Related to Backport200 - Backport #8169: mkmf generates inaccurate confest.c...	Closed	03/27/2013

Associated revisions

Revision 3ba9e467 - 05/14/2013 02:20 AM - usa (Usaku NAKAMURA)

merge revision(s) 39958,39989: [Backport #8216]

```
* lib/mkmf.rb (MAIN_DOES_NOTHING): force to refer symbols for tests
to be preserved. [ruby-core:53745] [Bug #8169]
```

```
* lib/mkmf.rb (MAIN_DOES_NOTHING): ensure symbols for tests to be
preserved. [ruby-core:53745] [Bug #8169]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_1_9_3@40715 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 40715 - 05/14/2013 02:20 AM - usa (Usaku NAKAMURA)

merge revision(s) 39958,39989: [Backport #8216]

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History

#1 - 04/04/2013 04:25 PM - usa (Usaku NAKAMURA)

- Status changed from Open to Assigned

- Assignee set to usa (Usaku NAKAMURA)

#2 - 05/14/2013 11:20 AM - usa (Usaku NAKAMURA)

- Status changed from Assigned to Closed

- % Done changed from 0 to 100

This issue was solved with changeset [r40715](#).

David, thank you for reporting this issue.

Your contribution to Ruby is greatly appreciated.

May Ruby be with you.

merge revision(s) 39958,39989: [Backport [#8216](#)]

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#3 - 09/05/2013 03:10 AM - robertgrimm (Robert Grimm)

Ruby 1.9.3's mkmf.rb generates an incorrect confest.c with this change and results in a "main is undeclared" error.

As is, 1.9.3 will generate something like:

```
#include "ruby.h"
```

/top/

```
int t() { void ((volatile p)()); p = (void (()))main; return 0; }
```

```
int main(int argc, char **argv)
```

```
{
```

```
if (argc > 1000000) {
```

```
printf("%p", &t);
```

```
}
```

```
return 0;
```

```
}
```

The t() function should be defined under main's definition and t() should be declared at the top. Ruby 2.0.0's mkmf.rb generates something like (which is correct):

```
#include "ruby.h"
```

/top/

```
extern int t(void);
```

```
int main(int argc, char **argv)
```

```
{
```

```
if (argc > 1000000) {
```

```
printf("%p", &t);
```

```
}
```

```
return 0;
```

```
}
```

```
int t() { void ((volatile p)()); p = (void (()))main; return 0; }
```