

gnat 4.1.0 stack overflow on Fedora Core 5

Source: <http://coding.derkeiler.com/Archive/Ada/comp.lang.ada/2006-04/msg00206.html>

- *From:* brian.b.mcguinness@xxxxxxxxx
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I made the mistake of upgrading from Fedora Core 4 to Fedora Core 5 and now a number of programs are broken, including gnat:

```
# cat zz.adb
with Ada.Text_IO;
use Ada.Text_IO;

procedure zz is
N : Natural;
begin
N := Natural'Last;

Put_Line ("Natural ranges from 0 to " & Natural'Image (N));
end zz;

# gnatmake zz.adb
gcc -c zz.adb
+=====GNAT BUG
DETECTED=====+
| 4.1.0 20060304 (Red Hat 4.1.0-3) (i386-redhat-linux-gnu)
Storage_Error stack overflow (or erroneous memory access)|
| Error detected at a-tags.adb:448:7
|
| Please submit a bug report; see http://gcc.gnu.org/bugs.html.
|
| Use a subject line meaningful to you and us to track the bug.
|
| Include the entire contents of this bug box in the report.
|
| Include the exact gcc or gnatmake command that you entered.
|
| Also include sources listed below in gnatmake format
|
| (concatenated together with no headers between files).
|
+=====+
```

Please include these source files with error report
Note that list may not be accurate in some cases,

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so please double check that the problem can still
be reproduced with the set of files listed.

zz.adb

compilation abandoned
gnatmake: "zz.adb" compilation error

```
# uname -a  
Linux localhost.localdomain 2.6.16-1.2096_FC5 #1 Wed Apr 19 05:14:36  
EDT 2006 i686 i686 i386 GNU/Linux
```

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