

[PATCH] bogus BUILD_BUG_ON() in bpa_iommu

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2005-09/8780.html>

From: Al Viro (viro_at_ftp.linux.org.uk)

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To: Linus Torvalds <torvalds@osdl.org>

BUILD_BUG_ON(1) is asking for trouble (and getting it) when used in that manner – dead code elimination happens after we parse it and invalid type is invalid type, dead code or not.

It might be version-dependent, but at least 4.0.1 refuses to accept that.

Signed-off-by: Al Viro <viro@zeniv.linux.org.uk>

```
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diff -urN RC14-rc2-git6-base/arch/ppc64/kernel/bpa_iommu.c current/arch/ppc64/kernel/bpa_iommu.c
--- RC14-rc2-git6-base/arch/ppc64/kernel/bpa_iommu.c      2005-09-26 00:02:29.000000000 -0400
+++ current/arch/ppc64/kernel/bpa_iommu.c                2005-09-15 14:22:33.000000000 -0400
@@ -99,7 +99,11 @@
         break;

         default: /* not a known compile time constant */
-           BUILD_BUG_ON(1);
+           {
+               /* BUILD_BUG_ON() is not usable here */
+               extern void __get_iost_entry_bad_page_size(void);
+               __get_iost_entry_bad_page_size();
+           }
+           break;
    }
}
-

```

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