

# [PATCH] x86: silence section mismatch warning in smpboot\_64.c

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*Source:* <http://linux.derkeiler.com/Mailing-Lists/Kernel/2008-01/msg13573.html>

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  - *Date:* Thu, 31 Jan 2008 23:10:38 +0100
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Silence the following warning:

WARNING: o-x86\_64/arch/x86/kernel/built-in.o(.text+0x17cd3): Section mismatch in reference from the function remove\_cpu\_from\_maps() to the variable .cpuinit.data:cpu\_initialized

remove\_cpu:maps() had a single user: \_\_cpu\_disable() so mark it static and annotate it with \_\_ref to silence the warning from modpost.

\_\_cpu\_disable() has a single user in kernel/cpu.c:  
=> take\_cpu\_down()  
which again has a single user in the following call:  
=> \_\_stop\_machine\_run(take\_cpu\_down, &tc\_d\_param, cpu);  
Here a kthread is created.

So maybe the warning is correct and the right fix is to remove the \_\_cpuinitdata annotation of cpu\_initialized?

Note: The analysis were disturbed by the fact that we had a variable with the same name in cpu/common.c – but this is 32 bit only]

Note: Should smpboot\_64 use cpu\_clear()?

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arch/x86/kernel/smpboot\_64.c | 2 +-  
1 files changed, 1 insertions(+), 1 deletions(-)

diff --git a/arch/x86/kernel/smpboot\_64.c b/arch/x86/kernel/smpboot\_64.c

index cc64b80..d53bd6f 100644

--- a/arch/x86/kernel/smpboot\_64.c

+++ b/arch/x86/kernel/smpboot\_64.c

@@ -1019,7 +1019,7 @@ static void remove\_siblinginfo(int cpu)

cpu\_clear(cpu, cpu\_sibling\_setup\_map);

}

-void remove\_cpu\_from\_maps(void)

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```
+static void __ref remove_cpu_from_maps(void)
{
int cpu = smp_processor_id();
```

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1.5.4.rc3.14.g44397

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