

## Re: [RFC PATCH] sched\_domains: Make SD\_NODE\_INIT per-arch

**Source:** <http://linux.derkeiler.com/Mailing-Lists/Kernel/2004-09/9168.html>

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**From:** Matthew Dobson ([colpatch\\_at\\_us.ibm.com](mailto:colpatch_at_us.ibm.com))

**Date:** 09/30/04

To: Andrew Morton <[akpm@osdl.org](mailto:akpm@osdl.org)>

Date: Thu, 30 Sep 2004 13:20:25 -0700

On Thu, 2004-09-30 at 12:23, Andrew Morton wrote:

> *Matthew Dobson <colpatch@us.ibm.com> wrote:*

>>

>> *I would like to try to get this in before then, unless this will really*

>> *make things difficult for you.*

>

> *It's about three weeks late for 2.6.9. I already have a string of CPU*

> *scheduler patches awaiting the 2.6.10 stream and once we're at -rc2 we*

> *really should only be looking at bugfixes.*

Yeah, that's entirely my fault for slacking on sending this out... I should have sent this a while ago. It is a small portion of some larger sched\_domains changes that I am working on, but at some point I realized my larger changeset will be far more controversial and have a much larger impact than some of the smaller bits, as well as not being ready for prime time yet. Plus, like I said earlier, this allows arch-specific tweaking with minimal intrusiveness from the application of this patch forward.

> *Grumble, mutter.. it looks like one of those "if it compiled, it works"*

> *things. Problem is, any time anyone touches that particular piece of the*

> *kernel, half the architectures stop compiling.*

It *should* be. I'd be quite happy if you just picked it up in -mm to assure it far wider testing. I've compiled and booted it on x86, x86\_64 & ppc64. I've got no access to ia64 right now, or I'd test it there.

But the patch *will* spit out #errors for any arch that doesn't have SD\_NODE\_INIT defined if they also have NUMA defined. I'm don't know of anyone else (ie: *not* x86, x86\_64, ppc64 & ia64) that is building NUMA kernels, but if they are, it's a trivial patch to their include/asm/topology.h to make the arch build.

Of course, the ultimate decision is yours, Andrew...

-Matt

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