Re: [BENCHMARK] 2.6.3−rc2 v 2.6.3−rc3−mm1 kernbench

Source: http://linux.derkeiler.com/Mailing−Lists/Kernel/2004−02/3770.html

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From: Con Kolivas (*kernel_at_kolivas.org*)
Date: 02/16/04

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To: Nick Piggin <piggin@cyberone.com.au>
Date:   Tue, 17 Feb 2004 01:30:24 +1100
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On Tue, 17 Feb 2004 00:20, Nick Piggin wrote:
> Con Kolivas wrote:
> >−−−−−BEGIN PGP SIGNED MESSAGE−−−−−
> >Hash: SHA1
> >
> >Here's some nice evidence of the sched domains' patch value:
> >kernbench 0.20 running on an X440 8x1.5Ghz P4HT (2 node)
> >
> >Time is in seconds. Lower is better (fixed font table)
> >
> >Summary:
> >Kernel: 2.6.3−rc2 2.6.3−rc3−mm1
> >Half(−j8) 120.8 113.0
> >Optimal(−j64) 81.6 79.3
> >Max(−j) 82.9 80.3
> >
> >
> >shorter summary:
> >2.6.3−rc3−mm1 kicks butt
>
> Thanks Con,
> Results look pretty good. The half−load context switches are
> increased − that is probably a result of active balancing.
> And speaking of active balancing, it is not yet working across
> nodes with the configuration you're on.
>
> To get some idea of our worst case SMT performance (−j8), would
> it be possible to do −j8 and −j64 runs with HT turned off?

sure.

results.2.6.3−rc3−mm1 + SMT:
Average Half Load Run:
Elapsed Time 113.008
User Time 742.786

System Time 90.65
Percent CPU 738
Context Switches 28062.6
Sleeps 24571.8

Average Optimum Load Run:
Elapsed Time 79.278
User Time 1007.69
System Time 107.388
Percent CPU 1407
Context Switches 33355
Sleeps 32720

2.6.3−rc3−mm1 no SMT:
Average Half Load Run:
Elapsed Time 133.51
User Time 799.268
System Time 92.784
Percent CPU 669
Context Switches 19340.8
Sleeps 24427.4

Average Optimum Load Run:
Elapsed Time 81.486
User Time 1006.37
System Time 106.952
Percent CPU 1366.8
Context Switches 33939
Sleeps 32453.4

Con
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