

Re: [PATCH 6/9] clockpro-clockpro.patch

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2005-12/msg08545.html>

- *From:* Rik van Riel <riel@xxxxxxxxxx>
 - *Date:* Fri, 30 Dec 2005 20:22:12 -0500 (EST)
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On Fri, 30 Dec 2005, Marcelo Tosatti wrote:

> I think that final objective should be to abstract it away completely,
> making it possible to select between different policies, allowing
> further experimentation and implementations such as energy efficient
> algorithms.

I'm not convinced. That might just make vmscan.c harder to read ;)

> About CLOCK-Pro itself, I think that a small document with a short
> introduction would be very useful...

<http://linux-mm.org/AdvancedPageReplacement>

>> The HandCold rotation is driven by page reclaim needs. HandCold in turn
>> drives HandHot, for every page HandCold promotes to hot HandHot needs to
>> degrade one hot page to cold.
>
> Why do you use only two clock hands and not three (HandHot, HandCold and
> HandTest) as in the original paper?

Because the non-resident pages cannot be in the clock.
This is both because of space overhead, and because the
non-resident list cannot be per zone.

I agree though, Peter's patch could use a lot more
documentation.

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- *Follow-Ups:*

Re: [PATCH 6/9] clockpro–clockpro.patch

◆ **Re: [PATCH 6/9] clockpro–clockpro.patch**

◇ From: Marcelo Tosatti

• **References:**

◆ **[PATCH] vm: page–replace and clockpro**

◇ From: Peter Zijlstra

◆ **[PATCH 6/9] clockpro–clockpro.patch**

◇ From: Peter Zijlstra

◆ **Re: [PATCH 6/9] clockpro–clockpro.patch**

◇ From: Marcelo Tosatti

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