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Subject: Re: [PATCH] Priority heap infrastructure enhancements

Posted by [akpm](#) on Tue, 01 Jul 2008 08:14:14 GMT

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On Sat, 21 Jun 2008 13:35:38 +0530 Balbir Singh <balbir@linux.vnet.ibm.com> wrote:

> Paul Menage wrote:

> > On Wed, Jun 18, 2008 at 6:48 AM, Balbir Singh <balbir@linux.vnet.ibm.com> wrote:

> >> Some of the common code has been factored into heap\_adjust() a.k.a heapify

> >> in data structures terminology.

> >>

> >> I am sending out this patch independent of the memory controller changes as

> >> they deserve to be reviewed independently.

> >>

> >> One limitation of the current heap\_insert() routine is that it does not

> >> insert an element which is greater than the root, when the heap slots

> >> are fully used. I'll work on and review that interface and find a suitable

> >> way to address that issue

> >

> > How else would you want it to behave? If you have a fixed size heap

> > and it's full, then you have to drop the largest value. (Well, you

> > could in theory drop the smallest value, but there's no quick way to

> > find that.)

> >

>

> I would like to be able to drop the smallest value. Since we cannot drop the

> smallest value, dropping a leaf (heap->size) should be sufficiently good enough.

> I want a max heap and losing the root of the heap does not work for me.

>

>

> >> Comments, Flames? Please do review closely!

> >>

> >> Signed-off-by: Balbir Singh <balbir@linux.vnet.ibm.com>

> >

> > Looks fine.

> >

> > Reviewed-by: Paul Menage <menage@google.com>

>

> Thanks for the review!

>

yup, thanks.

I'll duck the patch until we have some code which uses it. Please retain Paul's Reviewed-by: for that occasion.

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Containers mailing list

