Posted by Balbir Singh on Sat, 21 Jun 2008 08:05:38 GMT

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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 indepedent 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!

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 Warm Regards,
 Balbir Singh
 Linux Technology Center
 IBM, ISTL

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