
Subject: vzmemcheck displays wrong values?

Posted by [Martin Braun](#) on Mon, 20 Feb 2006 21:59:51 GMT

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Hi folks,

i looked at the output of vzmemcheck and realized something wired, the allocated Memory, shown in 'free' is much lower than shown in 'vzmemcheck'. I will look into the code if i find time for that. Here is a sample:

<http://nopaste.unixfreunde.de/show.php?id=891>

so far...

--

Martin Braun

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^ <http://arc.pasp.de/>

Subject: Re: vzmemcheck displays wrong values?

Posted by [dev](#) on Tue, 21 Feb 2006 12:29:52 GMT

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> Hi folks,

>

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> wired, the allocated Memory, shown in 'free' is much lower

> than shown in 'vzmemcheck'. I will look into the code if i

> find time for that. Here is a sample:

>

> <http://nopaste.unixfreunde.de/show.php?id=891>

vzmemcheck doesn't show free.

Can you point to the numbers in the picture which make you worry?

Thanks,

Kirill

Subject: Re: vzmemcheck displays wrong values?

Posted by [Martin Braun](#) on Tue, 21 Feb 2006 13:19:42 GMT

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Kirill Korotaev wrote:

>> Hi folks,
>>
>> i looked at the output of vzmemcheck and realized something
>> wired, the allocated Memory, shown in 'free' is much lower
>> than shown in 'vzmemcheck'. I will look into the code if i
>> find time for that. Here is a sample:
>>
>> <http://nopaste.unixfreunde.de/show.php?id=891>
> vzmemcheck doesn't show free.
> Can you point to the numbers in the picture which make you worry?
>
> Thanks,
> Kirill
>
>
Okay, maybe its a misunderstanding, i worry about the following:

veid	LowMem	LowMem	RAM	MemSwap	MemSwap	Alloc	Alloc	Alloc
	util	commit	util	util	commit	util	commit	limit
3	3.35	34.01	150.99	150.99	1248.72	579.61	290.00	1057.99

so, VPS 3 has a committed allocation of 290MB (65535 Pages) and a allocation limit of 1057MB (262140 Pages). If i look at the allocation utilization it shows me 579MB, but according to 'free' the machine has 390MB RAM used, so am i wrong with my supposition that 'Alloc util' is the total RAM used? Or is 'RAM util' the determining factor for the _real_ memory consumption?

Thanks

--
Martin Braun

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^ <http://arc.pasp.de/>

Subject: Re: vzmemcheck displays wrong values?
Posted by [dev](#) on Tue, 21 Feb 2006 14:36:32 GMT
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> Okay, maybe its a misunderstanding, i worry about the following:
>
> veid LowMem LowMem RAM MemSwap MemSwap Alloc Alloc Alloc

```
> util commit util util commit util commit limit
>
> 3 3.35 34.01 150.99 150.99 1248.72 579.61 290.00 1057.99
>
> so, VPS 3 has a committed allocation of 290MB (65535 Pages) and a
> allocation limit of 1057MB (262140 Pages). If i look at the allocation
> utilization it shows me 579MB, but according to 'free' the machine has
> 390MB RAM used, so am i wrong with my supposition that 'Alloc util' is
> the total RAM used? Or is 'RAM util' the determining factor for the
> _real_ memory consumption?
```

AFAIK,
Alloc refers to virtual address space,
RAM to physical memory.
Also you should remember that host system is not listed here, but
consumes some memory as well (actually can be seen in
/proc/user_beancounters)

Kirill
