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Subject: Re: why buffers cached is always 0 in VPS/VE?

Posted by [khorenko](#) on Tue, 09 Sep 2008 07:26:11 GMT

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Quote:Yes, there are failcounters. Starting tomcat is OK, it just happens when I try to shutdown tomcat.

384MB is not enough for tomcat and mysql in a VE, while it is enough in a physical machine(no swap)?

Look, there is slightly different mechanisms in memory handling on Hardware Node and inside a Container.

if you have only 384Mb RAM on a Hardware Node and no swap - you'll be able to alloc 1Gb of memory in your problem. Without any problem. But if you later try to use that memory - read/write something from/to it, the process will be killed.

Inside a Container such a malloc of 1Gb will fail from the very beginning on an allocation stage - not actual using.

i think tomcat just allocs quite a lot of memory which does not really use - that's why it runs ok on a hardware node but fails inside a Container.

To gain the same functionality inside a Container you need to increase the privvmpages, but set the oomguarpages to 384Mb. In that case a program will be able to allocate a lot of RAM, but in case of global memory shortage on the node (if that process will try to use all allocated memory) - the process will be killed.

Hope that helps.

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Konstantin

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