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Subject: Heavy Disk IO from a single VM can block the other VMs on the same host  
Posted by [Hubert Krause](#) on Tue, 29 Nov 2011 16:13:26 GMT

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Hello,

my environment is a Debian squeeze host with a few debian squeeze guests. The private and root filesystems of the guest are located on the same raid device (raid5) in an luksCrypt Container in an LVM container on an ext4 partition with nodalalloc as mountoption. If I run the tool stress:

stress --io 5 --hdd 5 --timeout 60s (which means fork 5 threads doing read/write access and 5 threads doing constantly fsync) the responsiveness of the other VMs is very bad. That means, Isolation for IO operations is not given. I've tried to reduce the impact of the VM with 'vzctl set VID --ioprio=0'. There was only a minor effect, my application on the other VM where still not responsive.

Any Idea how to prevent a single VM to disturb the other VMs regarding diskIO?

Greetings

Hubert

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