Subject: fast shared storage between containers
Posted by wodzpl on Tue, 29 Oct 2013 16:21:17 GMT
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hi,

I am quite new in OpenVZ world.
I am doing a research for specific usage scenario of OpenVZ.
For that I need very fast shared storage between VEs.
In my lab I am using dedicated server platform with 200Gb of ram.
CIFS/NFS from fileserver is not so fast and for extra array with many disks to share the load of 70 VEs read/write operations with many small files budget is tight.
Every VE needs to have r/w rights to that storage.
So I experimented with ramfs/tmpfs and mounting it by bind to VEs.
I need +40 GB ramdisk but every VE I would like to have with limited amount of PHYSPAGES=3GB.
When I try with dd filling ramdisk with file grater thatn 4G oomkiller restores some resources and it`s not accepted.

I`ve been experimenting with SHMPAGES and OOMGUARPAGES but without any luck.

First of all I would like to ask you experienced openVZ community is it possible what I am trying to get? [ramdisk 40GB shared over VEs and VEs with limited 3GB of ram]
Secondly maybe you have other ideas how to provide this sort of very fast shared storage.

I appreciate all your help.