Subject: Multiple VE containers sharing disk IO on HW with multiple HDDs.
Posted by VE4FUN on Tue, 16 Aug 2011 11:27:19 GMT
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Hello,

I have OpenVZ node with multiple disks (12), node has multiple VE containers (30). Each HDD is shared between 2 - 4 VE.

It usually happens that 1 VE can utilise complete HDD and kill disk performances for other VE containers located on same HDD.

Is there any way to limit/share disk IO for machines located on same HDD, sharing disk IO between all machines per server is no good because of multiple HDD configuration.

Kind Regards,
VE4FUN

Subject: Re: Multiple VE containers sharing disk IO on HW with multiple HDDs.
Posted by curx on Tue, 16 Aug 2011 12:42:39 GMT
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Hi,

maybe the ioprio option can help,
see man page, section "I/O priority management".

Bye,
Thorsten

Subject: Re: Multiple VE containers sharing disk IO on HW with multiple HDDs.
Posted by VE4FUN on Tue, 16 Aug 2011 15:23:36 GMT
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Hello,

I know about wiki.openvz.org/Ioprio but I don't know how that can be from help when

for example:

HDD-1
VE: 101, 102, 103
HDD-2
VE: 104, 105, 106, 107

...

Now when VE 103 overuses HDD-1 only affected is HDD-1, Having global IO priority will mean that if HDD-2 containers are idle, HW will think that overall there is no disk over-usage, because total disk usage of HDD-1 + HDD-2 is no where near limits, but truth is something else, VE103 already reached HDD-1 disk IO limit and HW will do nothing to prevent it from doing that.

IO priority might work on single HDD but with multiple HDDs I doubt it serves the purpose.

Kind Regards,
VE4FUN
