
Subject: Max disk space limit in vps?

Posted by [whatever](#) on Mon, 07 Jul 2008 01:50:06 GMT

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I created a VPS with unlimited resources but it shows the limit of hard disk. Is there any limit for the VPS file system? There is enough free space in the server

df -m

Filesystem	1M-blocks	Used	Available	Use%	Mounted on
/dev/mapper/VolGroup00-LogVol00	921970	74425	799957	9%	/
/dev/hda1	99	52	43	56%	/boot
tmpfs	4054	0	4054	0%	/dev/shm

uname -a

2.6.18-53.1.19.el5.028stab053.14PAE #1 SMP Thu May 8 21:09:32 MSD 2008 i686 i686 i386 GNU/Linux

But when I run the df -h

df -h

Filesystem	Size	Used	Avail	Use%	Mounted on
/dev/simfs	98G	6.8G	91G	7%	/
none	4.0G	20K	4.0G	1%	/dev
/tmp	98G	6.8G	91G	7%	/var/tmp

Is 98G max disk a VPS can see or it's the max space for all the VPS in server?
How can we create the VPS with more then 100gigs?

Thanks

Subject: Re: Max disk space limit in vps?

Posted by [adeeln](#) on Thu, 10 Jul 2008 00:17:20 GMT

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As far as I know, there isn't a practical limit on the maximum file system size (as my VE shows 150G size), but what I'm assuming is happening is that the VE has determined the maximum available space on your drive is 98G, so that's what is showing you. If you increase your LVM partition, the VE should increase the size of the FS automatically. If you want to know the actual filesystem limit for simfs, you could take a look at the source and it should be listed.

What I'm basically getting at is that 'Unlimited' in OpenVZ means 'Use maximum available resources on the HN'. So if your HN only has 1 gig ram + 1 G swap, it's not going to allocate 4 gigs for the VE, otherwise you can run into an OOM situation easily.
