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Subject: VE mounted with NFS ?

Posted by [rafale](#) on Sat, 12 Jan 2008 16:15:40 GMT

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Hello,

I use fedora 7 templates.

I would like to know whether it's possible or not to deploy VEs on HN with NFS (v3 or v4) mounts.. I encounter troubles with that .. when I type df it's impossible for the VE to display the disk usage.

therefore I have also a problem when I want to update the VE

Thank you

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Subject: Re: VE mounted with NFS ?

Posted by [dev](#) on Sat, 12 Jan 2008 16:37:49 GMT

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I would not recommend having VEs on NFS for multiple reasons:

1. NFS is not fully POSIX-compliant
  2. if NFS server dies for some reason for some time there is huge chance that the whole NFS client node will freeze and stop working until everything is rebooted.
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Subject: Re: VE mounted with NFS ?

Posted by [rafale](#) on Sat, 12 Jan 2008 16:41:48 GMT

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Ok dev

Thanks for your answer .. and what would you use instead ? NAS maybe?

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Subject: Re: VE mounted with NFS ?

Posted by [rickb](#) on Sun, 13 Jan 2008 10:28:21 GMT

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Hi, I am using fiber channel for remote storage on over 25 openvz nodes with great success. its not the cheapest option but its works flawlessly. next on the list is to use rhel5's iscsi driver for remote storage, which I have read good things about. if you do not have the finances for FC hardware, check out this option.

once you move to remote storage for the VEs, there are so many advantages for providing near HA solutions, instant migrations, and node hardware failure isn't a big catastrophe.

Rick

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Subject: Re: VE mounted with NFS ?  
Posted by [rafale](#) on Sun, 13 Jan 2008 20:50:42 GMT  
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Thanks rickb

I'm going to study more precisely the different solutions !  
If anybody else has others solutions ..

Moreover I would like to know if the issue with Nfs mounted Ve will be fixed in future versions

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Subject: Re: VE mounted with NFS ?  
Posted by [ebasley](#) on Thu, 07 Feb 2008 11:19:19 GMT  
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Important subject because even if your needs is to virtualize linux VEs, for the choice between kvm and openvz, in my context, the key point is nfs !

I'm trying openvz for 2 weeks, within a DRP (Disaster Recovery Plan) architecture, so I need to be able to migrate VE and data from one site to another. Data are duplicated on 2 NAS and access with nfs (may use iscsi, but nfs so simple).

I can't find documentation one how to build openvz solutions with online migration with a shared scénario.

It's clear with kvm, U can store VE's image and data one nfs and migrate between nodes.

But with openvz, it's obvious that live migration and dump doesn't work with nfs partitions mounted (bind) inside VE, we are even not sure it will be possible in a future release !

I can't even find the right process to migrate a VE with private directory and data mounts with isci.

If someone can help me ?

Regards and many thanks for openvz team for their great work.

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Subject: Re: VE mounted with NFS ?  
Posted by [gurtaj](#) on Mon, 13 Jul 2009 18:18:25 GMT  
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Hello, everybody. Has anybody implemented remote storage with the iSCSI protocol? Any results to report?

I'm interested in using remote storage, but since NFS is not the way to go, I'm looking at other alternatives.

Thanks,  
Gaston

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Subject: Re: VE mounted with NFS ?  
Posted by [rafale](#) on Mon, 13 Jul 2009 20:28:17 GMT  
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Hello,

You can consider the use of Lustre which is a cluster file system (open-source) developed and maintained by Sun.

That is the way I finally did in order to store the VE remotely.

Here is the link : [http://wiki.lustre.org/index.php/Main\\_Page](http://wiki.lustre.org/index.php/Main_Page)

This solution might be quite hard to implement depending on the kernel you got etc. But the result is highly enjoyable.

I hope this helps.

Regards

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Subject: Re: VE mounted with NFS ?  
Posted by [gurtaj](#) on Mon, 13 Jul 2009 21:18:24 GMT  
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Thanks for the suggestion.

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