Subject: Same NFS export in multiple VEs with different mount options
Posted by Jonathan Beckman on Wed, 21 May 2008 22:44:35 GMT
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I've been trying to mount an exported NFS share in several VEs but with
different mount options(ro and rw in my case). For example, VE 1 tries to
mount the share with ro, that works fine. But when VE 2 tries to mount the
share in rw it'll get mounted with ro. It's the same vice versa(mounting it
rw first and trying to mount it ro).

Any tips? Just wanted to double check that I've haven't missed anything before
bug reporting it.

ps: I'm not subscribed to the list.
--
Jonathan Beckman

Stockholm

Spotify AB

SE-114 51 STOCKHOLM

Sweden

Subject: Re: Same NFS export in multiple VEs with different mount options
Posted by den on Mon, 26 May 2008 13:10:03 GMT
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could you specify, pls exact kernel version you are using

On Thu, 2008-05-22 at 00:44 +0200, Jonathan Beckman wrote:
> I've been trying to mount an exported NFS share in several VEs but with
> different mount options(ro and rw in my case). For example, VE 1 tries to
> mount the share with ro, that works fine. But when VE 2 tries to mount the
> share in rw it'll get mounted with ro. It's the same vice versa(mounting it
> rw first and trying to mount it ro).
>
> Any tips? Just wanted to double check that I've haven't missed anything before
> bug reporting it.
>
> ps: I'm not subscribed to the list.

Subject: Re: Same NFS export in multiple VEs with different mount options

Posted by Jonathan Beckman on Mon, 26 May 2008 14:39:14 GMT
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On Mon, May 26, 2008 at 3:10 PM, Denis V. Lunev <den@openvz.org> wrote:
> could you specify, pls exact kernel version you are using
2.6.18-fza-028stab053.5-amd64 #1 SMP

Sorry about forgetting that.

--
Jonathan Beckman

Stockholm

Spotify AB

SE-114 51 STOCKHOLM

Sweden

Subject: Re: Same NFS export in multiple VEs with different mount options
Posted by Yoann Moulin on Mon, 26 May 2008 16:43:47 GMT
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> On Mon, May 26, 2008 at 3:10 PM, Denis V. Lunev <den@openvz.org> wrote:
>> could you specify, pls exact kernel version you are using
> 2.6.18-fza-028stab053.5-amd64 #1 SMP
>
> Sorry about forgetting that.

I don't if there are a link, but I've an issue with same nfs export in differents VEs.

see : http://forum.openvz.org/index.php?t=msg&goto=29539

regards

Yoann

Subject: Re: Same NFS export in multiple VEs with different mount options
Posted by Jonathan Beckman on Mon, 26 May 2008 18:22:34 GMT
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On Mon, May 26, 2008 at 6:43 PM, Yoann Moulin <ymo@adviseo.fr> wrote:

> I don't if there are a link, but I've an issue with same nfs export in
> differents VEs.
>
> see : http://forum.openvz.org/index.php?t=msg&goto=29539
>
> regards
>
> Yoann
>
My problem does not identify itself like this. I'm running a venet
configuration though.

--
Jonathan Beckman

Stockholm

Spotify AB

SE-114 51 STOCKHOLM

Sweden

Subject: Re: Same NFS export in multiple VEs with different mount options
Posted by Yoann Moulin on Mon, 26 May 2008 21:50:01 GMT
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> On Mon, May 26, 2008 at 6:43 PM, Yoann Moulin <ymo@adviseo.fr> wrote:
>> I don't if there are a link, but I've an issue with same nfs export in
>> differents VEs.
>>
>> see : http://forum.openvz.org/index.php?t=msg&goto=29539
>>
>> regards
>>
>> Yoann
>>
> My problem does not identify itself like this. I'm running a venet
> configuration though.

I think (I'm almost convince), it's not directly how the network is
configured (veth, venet, whatever) but how the kernel manage nfs export
so can be related to your case.

For my case, the bug appear when I shutdown an interface, in your case, it's appear when you try different options on the mount, but in the both cases, we are working on same nfs export.

I mean, I don't know how the kernel manage nfs export, I'm not enouph familiar with kernel source to understand it, but trying to mount exactly same mount point in 2 VEs can have side effect in kernel land.

if I'm mouting /mnt/data, it will be mounted like that on the HN:

nfs_server:/export/data /private/VEID1/mnt/data
nfs_server:/export/data /private/VEID3/mnt/data

so "nfs_server:/export/data" is exactly the same ref.

maybe it's already manage and in that case, mea culpa, but, I'm still having a doubt.

fyi, I can reproduce your bug, if an export is already mounted in rw in a VE, I can't mount it in ro.

regards

Yoann

Subject: Re: Same NFS export in multiple VEs with different mount options
Posted by den on Tue, 27 May 2008 11:03:51 GMT
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On Mon, 2008-05-26 at 18:43 +0200, Yoann Moulin wrote:

> > On Mon, May 26, 2008 at 3:10 PM, Denis V. Lunev <den@openvz.org> wrote:
> >> could you specify, pls exact kernel version you are using
> > 2.6.18-fza-028stab053.5-amd64 #1 SMP
> >
> > Sorry about forgetting that.
>
> I don't if there are a link, but I've an issue with same nfs export in differents VEs.
>
> see : http://forum.openvz.org/index.php?t=msg&goto=29539

I have reproduced your bug for debian kernel. The problem is specific to it, RHEL5 based kernel is free of this issue. Thank you for the report.

I'll try to produce the fix ASAP.

Regards,

Den

Subject: Re: Same NFS export in multiple VEs with different mount options
Posted by den on Tue, 27 May 2008 12:42:13 GMT
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Guys, could you test this patch for both your cases?

Regards,
Den

On Tue, 2008-05-27 at 15:03 +0400, Denis V. Lunev wrote:
> On Mon, 2008-05-26 at 18:43 +0200, Yoann Moulin wrote:

> > > On Mon, May 26, 2008 at 3:10 PM, Denis V. Lunev <den@openvz.org> wrote:
> > >> could you specify, pls exact kernel version you are using
> > > > 2.6.18-fza-028stab053.5-amd64 #1 SMP
> > > >
> > > > Sorry about forgetting that.
> > >
> > > I don't if there are a link, but I've an issue with same nfs export in differents VEs.
> > >
> > > see : http://forum.openvz.org/index.php?t=msg&goto=29539
> >
> > I have reproduced your bug for debian kernel. The problem is specific to
> > it, RHEL5 based kernel is free of this issue. Thank you for the report.
> >
> > I'll try to produce the fix ASAP.
> >
> > Regards,
> > Den
> >
[NFS]: NFS super blocks in different VEs are different

Teach nfs_compare_super to this.

Signed-off-by: Denis V. Lunev <den@openvz.org>

```
--- ./fs/nfs/super.c.nfs1 2008-05-27 16:33:43.000000000 +0400
+++ ./fs/nfs/super.c 2008-05-27 16:34:50.000000000 +0400
@@ -1020,6 +1020,9 @@ static int nfs_compare_super(struct supe
   return 0;
  if (old->addr.sin_port != server->addr.sin_port)
   return 0;
+ if (!ve_accessible_strict(old->client->cl_xprt->owner_env,
+       get_exec_env()))
+  return 0;
```

```
 return !nfs_compare_fh(&old->fh, &server->fh);
}
```

File Attachments

1) diff-venfs-comparesuper-20080527, downloaded 653 times

Subject: Re: Same NFS export in multiple VEs with different mount options
Posted by Yoann Moulin on Tue, 27 May 2008 14:31:38 GMT
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> Guys, could you test this patch for both your cases?

fixed !!!!!!!

\o/ \o_ \o/ _o/ \o/

for the both cases, unable to reproduce.

thanks a lot, really :)

Regards

Yoann

> On Tue, 2008-05-27 at 15:03 +0400, Denis V. Lunev wrote:
>> On Mon, 2008-05-26 at 18:43 +0200, Yoann Moulin wrote:

>>>> On Mon, May 26, 2008 at 3:10 PM, Denis V. Lunev <den@openvz.org> wrote:
>>>>> could you specify, pls exact kernel version you are using
>>>> 2.6.18-fza-028stab053.5-amd64 #1 SMP
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>>> I don't if there are a link, but I've an issue with same nfs export in differents VEs.
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>>> see : http://forum.openvz.org/index.php?t=msg&goto=29539
>> I have reproduced your bug for debian kernel. The problem is specific to
>> it, RHEL5 based kernel is free of this issue. Thank you for the report.
>>
>> I'll try to produce the fix ASAP.
>>
>> Regards,
>> Den
>>

Subject: Re: Same NFS export in multiple VEs with different mount options
Posted by Jonathan Beckman on Tue, 27 May 2008 14:59:31 GMT
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On Tue, May 27, 2008 at 2:42 PM, Denis V. Lunev <den@openvz.org> wrote:
> Guys, could you test this patch for both your cases?
Unable to reproduce here also! Thanks alot!

--
Jonathan Beckman

Stockholm

Spotify AB

SE-114 51 STOCKHOLM

Sweden