Subject: Question about Live Migration
Posted by divB on Wed, 22 Apr 2009 21:46:08 GMT
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Hi,

I read through the Wiki but there is no detailed information about live migration. (only that it works, what's the command etc. but no details how and why it works).

I am very interested in live migration and my specific question is: Does it care about the file system too?

Can I migrate a VE which is stored on Host1 "live" to Host2? Or do I have to care about file system consistency myself? (This would reduce my enthusiasm drastically ). Or do I even need a SAN?

If it works: How does it actually work? How can live migration possible when the file system need to be consistent? How is it possible to achieve minimum downtime in this case?

And what if I have bind-mounted some ressources from the host? What happens with those mappings?

Regards,
divB

Subject: Re: Question about Live Migration
Posted by maratrus on Fri, 24 Apr 2009 12:38:07 GMT
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Hi,

Quote:
I am very interested in live migration and my specific question is: Does it care about the file system too?

Yes, of course,
rsync + suspending + syncing dump + rsync again.
This article http://wiki.openvz.org/Checkpointing_and_live_migration
explains the basics of migration process.
Moreover, vzmigrate is just a bash script so you can read the sources.

Subject: Re: Question about Live Migration
Posted by divB on Thu, 30 Apr 2009 07:45:32 GMT

Thank you,

yes, I already read the Wiki article but it is too undetailed. However, now it's clear, thank you.

Concerning bind-mounts: As I guess the whole tree of a bind-mounted file system will be included in rsync, won't it?
E.g. if I have bind-mounted a 1TB /home from the host, the whole file system tree including the 1TB /home is rsynced to the destination host?

And: The two hosts do not have to be the same CPU (as it is the case with VMware) because we have OS based virtualization?!

Thank you,
divB