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Subject: migration?

Posted by [shuaib85](#) on Fri, 11 Apr 2008 13:21:27 GMT

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Dear all

is there any other article about migration and checkpoint beside this in the wiki  
[http://wiki.openvz.org/Checkpointing\\_and\\_live\\_migration](http://wiki.openvz.org/Checkpointing_and_live_migration)

I have questions

When we migrate, What happens to the data that is cached in the memory?

How long the container will be down in case of migration online (I tried it is about 50 seconds for centos template)

Thanks

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Subject: Re: migration?

Posted by [kir](#) on Fri, 11 Apr 2008 16:12:56 GMT

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shuaib85 wrote on Fri, 11 April 2008 17:21: Dear all

is there any other article about migration and checkpoint beside this in the wiki  
[http://wiki.openvz.org/Checkpointing\\_and\\_live\\_migration](http://wiki.openvz.org/Checkpointing_and_live_migration)

There's also [http://wiki.openvz.org/Checkpointing\\_internals](http://wiki.openvz.org/Checkpointing_internals)

Quote: I have questions

When we migrate, What happens to the data that is cached in the memory?

Do you mean filesystem cache maintained by the Linux kernel? Or do you mean some user application's data?

Quote: How long the container will be down in case of migration online (I tried it is about 50 seconds for centos template)

Thanks

I've seen numbers from 3 to about 10 seconds (vzmigrate -v should print timing stats). There are a few things that affect "offline" time. One particular thing is since ssh/scp is used a few times during migration, you have to set up destination system in a way that each ssh connect doesn't lead to a long IP-to-hostname DNS lookup. One way of doing that is putting your source system IP on the destination node. There are a lot of other stuff that can/should be checked.... We need to see your numbers if you need some help with that.

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Subject: Re: migration?

Posted by [shuaib85](#) on Sun, 13 Apr 2008 05:08:23 GMT

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Quote:

Do you mean filesystem cache maintained by the Linux kernel? Or do you mean some user application's data?

Yes I mean user application's data for example web server.

Quote:How long the container will be down in case of migration online (I tried it is about 50 seconds for centos template)

Thanks

I've seen numbers from 3 to about 10 seconds (vzmigrate -v should print timing stats). There are a few things that affect "offline" time. One particular thing is since ssh/scp is used a few times during migration, you have to set up destination system in a way that each ssh connect doesn't lead to a long IP-to-hostname DNS lookup. One way of doing that is putting your source system IP on the destination node. There are a lot of other stuff that can/should be checked.... We need to see your numbers if you need some help with that.

I have migrated one container and this is the time output

Restoring completed succesfully

Resuming VE

Resuming...

Times:

Suspend + Dump: 0.334938

Copy dump file: 16.682

Second rsync: 24.7136

2nd level quota: 12.5953

Undump + Resume: 11.9137

Total time: 66.2395

Cleanup

As you can see the total time is 66 seconds!!

I used ping to check the availability of the container. About 50 ICMP were either missed or telling Time to live exceeded, others tell redirect to host