Subject: Samba cifs client in VE's
Posted by kierse on Sat, 02 Feb 2008 05:09:22 GMT
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Hi everyone,

My Hardware Node and all VE's are running Gentoo. I'm attempting to share the HN's portage directory among the running VE's in a safe and secure manner. Here's the plan:

1. HN will not have access to internet (restricted by firewall).
2. I'd like to expose the HN's portage directory to the running VE's using Samba.
3. There would be two access levels, read only and write access. The plan is to have one VE (having write access) which would be run periodically in order to update portage. The remaining VE's would all have read only access.

Unfortunately, neither smbfs nor cifs ever appear in the VE's list of supported filesystems (/proc/filesystems) and therefore I haven't been able to mount them. I've searched the net and the OpenVZ forums but haven't come up with anything of use. Several posts indicate that SMB is not supported yet the OpenVZ documentation seems to indicate otherwise (http://wiki.openvz.org/Differences_between_venet_and_veth).

Is running a Samaba client inside a VE possible? Am I missing something here?

Note: I'm running OpenVZ kernel version 2.6.18.028.051
Note: Both smbfs and cifs were build as kernel modules on the HN. Both were loaded before the VE's were started.

Thanks in advance,
Kierse

Subject: Re: Samba cifs client in VE's
Posted by piavlo on Sun, 03 Feb 2008 08:26:51 GMT
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You can share the portage with bind mounts.
If you are worried about security put the shared portage tree on a separate file system, and use vps.mount & vps.umount scripts
to auto mount the portage tree inside VE then it is started.
There are also read only bind mounts implementation which would
solve your problem perfectly but i not shure if this was ever inserted into linux mainline kernel (i tried with kernels up to 2.6.23 and it never worked for me)
But you can make the shared portage filesystem mounted readonly
in the HN, and make it r/w only for a short period of time then you're updating portage.

Subject: Re: Samba cifs client in VE's

Posted by piavlo on Sun, 03 Feb 2008 09:25:00 GMT
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piavlo wrote on Sun, 03 February 2008 10:26 You can share the portage with bind mounts.
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Looks like read only bind mounts were added only recently to 2.6.24, see
http://kernelnewbies.org/LinuxChanges#head-0da4f463de7038980 b699b6a2c91e5f16eac361b