

Hi

Sorry forgot to attach. Here it is.

I have also thought again and there are more cases when this is a problem. On "-r no" with failed sync and in any case when there are files on the destination already.

In any case the patch solves this problem.

Regards,

// Ola

On Tue, Jan 02, 2007 at 09:11:17PM +0100, Ola Lundqvist wrote:

> Hi

>

> During testing and debugging of a problem on Debian systems
> (which I later found out was corrected in 3.0.13 version) I found
> that the rsync commands in vzmigrate can give quite unexpected
> results.

>

> The command looks basically like this:

> rsync -aH \${from} \${to}

>

> This means that files are copied from \${from} to \${to}, but if
> files already exist on \${to} from some older copy the old files
> that do not exist on \${from} will not be deleted.

>

> This is a problem if --keep-dst or --online option is used.

>

> There are two places where the rsync command is used for transfer
> of filesystem data.

>

> The first one is right after 'log 1 "Syncing private"'. If --keep-dst
> is used this is a problem. The solution is to add the --delete option
> to rsync.

>

> The second one is right after 'log 2 "Syncing private (2nd pass)"'
> and it is a problem if --online option is used and a file has been
> deleted between this run and the first rsync run.
> The solution is to add the --delete option to rsync.

>

> The following patch has been applied to the Debian (experimental version)
> packaged version of vzctl. Patched against 3.0.13:

```

>
> --- vzctl-3.0.13.orig/vzmigrate
> +++ vzctl-3.0.13/vzmigrate
> @@ -391,7 +391,7 @@
> fi
>
> log 1 "Syncing private"
> -if ! rsync -aH --progress "$VE_PRIVATE" "root@$host:${VE_PRIVATE%/*}" | \
> +if ! rsync -aH --delete --progress "$VE_PRIVATE" "root@$host:${VE_PRIVATE%/*}" | \
>     grep "% of" | awk -v ORS="\r" '{print $10}'; then
>     log 1 "Failed to sync VE private areas"
>     undo_quota_on
> @@ -444,7 +444,7 @@
> if [ "$state" = "running" ]; then
>     log 2 "Syncing private (2nd pass)"
>     time_rsync2=$(date +%s.%N)
> -    if ! rsync -aH "$VE_PRIVATE" "root@$host:${VE_PRIVATE%/*}"; then
> +    if ! rsync -aH --delete "$VE_PRIVATE" "root@$host:${VE_PRIVATE%/*}"; then
>         log 1 "Failed to sync VE private areas"
>         undo_source_stage
>         exit $MIG_ERR_COPY
>
> Will attach as well if the cut and paste made it non-applieable.
>
> The patch is licensed under GNU/GPL.
>
> Regards,
>
> // Ola
>
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> \ gpg/f.p.: 7090 A92B 18FE 7994 0C36 4FE4 18A1 B1CF 0FE5 3DD9 /
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> -----

```

--- vzctl-3.0.13.orig/vzmigrate

+++ vzctl-3.0.13/vzmigrate

@ @ -391,7 +391,7 @ @

fi

log 1 "Syncing private"

-if ! rsync -aH --progress "\$VE_PRIVATE" "root@\$host:\${VE_PRIVATE%/*}" | \

+if ! rsync -aH --delete --progress "\$VE_PRIVATE" "root@\$host:\${VE_PRIVATE%/*}" | \

grep "% of" | awk -v ORS="\r" '{print \$10}'; then

log 1 "Failed to sync VE private areas"

undo_quota_on

@ @ -444,7 +444,7 @ @

if ["\$state" = "running"]; then

log 2 "Syncing private (2nd pass)"

time_rsync2=\$(date +%s.%N)

- if ! rsync -aH "\$VE_PRIVATE" "root@\$host:\${VE_PRIVATE%/*}"; then

+ if ! rsync -aH --delete "\$VE_PRIVATE" "root@\$host:\${VE_PRIVATE%/*}"; then

log 1 "Failed to sync VE private areas"

undo_source_stage

exit \$MIG_ERR_COPY