Subject: Re: More on making an OpenVZ template
Posted by samiam on Sat, 20 Aug 2011 17:12:08 GMT
View Forum Message <> Reply to Message

The actual deed of concatenating the Bash-only script with the distribution-specific script run by vzctl is done by the read_script() function in src/lib/script.c. read_script() is, in turn, called by vps_exec_script() in src/lib/exec.c; vps_exec_script() is called from several places.

The offending script has the name DIST_FUNC whenever it is used to specify the offending function in vps_exec_script(). DIST_FUNC is specified in include/dist.h.

Yes, the code is spaghetti code; it took me hours to unravel all of this.

The best solution to this issue would be to replace DIST_FUNC with a parameter that can be controlled by the /etc/vz/dists/${distname}.func configuration file.

- Sam

2011/8/20 Benjamin Henrion <bh@udev.org>:
> On Fri, Aug 19, 2011 at 10:18 PM, Sam Trenholme
> <strenholme.usenet@gmail.com> wrote:
>> I am continuing the work of making a tiny OpenVZ template. One
>> discovery I have is that, for the OpenVZ tools to work, not only is it
>> mandatory for the system to have the Bash shell, but also that /bin/sh
>> has to be a symlink to Bash. This is because the "vzctl" program
>> prepends the contents of the Bash-only
>> "/etc/vz/dists/scripts/functions" script to any script used by the
>> container to configure the system, and there does not appear to be any
>> way to configure a container to not use this Bash-only script.
>>
>> In other words, any OpenVZ template without /bin/sh being an alias for
>> Bash can not be configured via the "vzctl" tools (nor the
>> corresponding Proxmox/SolusVM/whataever tools that call "vzctl").
>>
>> This in mind, the next release of TinyVZ will include the Bash shell.
>> I actually prefer Bash over Busybox's "ash" shell; I *really* miss the
>> "!$" and "!*" shortcuts, as well as the "history" command, when using
>> this minimal shell.
>>
>> Since this is an open source project I am not getting paid for, I have
>> no timeline of when I will make another TinyVZ release, nor do I
>> guarantee I will even make such a release. Working on TinyVZ has
>> taught me a lot about OpenVZ and hopefully is something that is
>> useful.

>
> This is a very useful for me, I was about to spend time on an openwrt
> container, which does not use bash at all.
>
> Where in the source code of vzctl do you see this requirement?
>
> --
> Benjamin Henrion <bhenrion at ffii.org>
> FFII Brussels - +32-484-566109 - +32-2-4148403
> "In July 2005, after several failed attempts to legalise software
> patents in Europe, the patent establishment changed its strategy.
> Instead of explicitly seeking to sanction the patentability of
> software, they are now seeking to create a central European patent
> court, which would establish and enforce patentability rules in their
> favor, without any possibility of correction by competing courts or
> democratically elected legislators."
>