

## Packages - Bug #1419

### [cryptsetup] race condition => doesn't find key, waits for rootfs, and timeouts

2017-07-18 05:07 PM - GNUtoo

<b>Status:</b> fixed	<b>% Done:</b> 0%
<b>Priority:</b> bug	
<b>Assignee:</b>	
<b>Category:</b>	
<b>Description</b> Before pacman -Syu everything was working. After, at each boot, the initramfs drops me to a shell because it doesn't find the rootfs  Here's are my settings:  <pre>\$ cat /proc/cmdline BOOT_IMAGE=/boot/vmlinuz-linux-libre-nand root=/dev/mapper/internal-rootfs cryptdevice=/dev/disk/by-uuid/12345678-1234-1234-abcd-012345abcdef:internal-cleartext rw systemd.show_status=false loglevel=8 console=tty0 cryptkey=rootfs:/etc/keys/internal.key nopat \$ file /etc/crypttab /etc/crypttab: empty \$ cat /etc/mkinitcpio.conf MODULES="i915" BINARIES="ext4magic extundelete" FILES="/etc/keys/internal.key" HOOKS="base udev autodetect modconf block encrypt lvm2 filesystems keyboard fsck" COMPRESSION="gzip"</pre> Workaround: Add "set -x" inside /usr/lib/initcpio/hooks/encrypt, on the line following "#!/usr/bin/ash"	
<b>Related issues:</b> Related to Packages - Bug #1416: cryptkey=rootfs:/etc/pass issue   keyfile is... <b>fixed</b> <b>2017-07-14</b>	

## History

### #1 - 2017-07-19 09:52 AM - fablamar78

You can read this : <https://labs.parabola.nu/issues/1416>

Other workaround :

"mkinitcpio-busybox 1.26 broke the encrypt hook somehow.

people have had success reverting to 1.25.1-2, or renaming the keyfile to /crypto\_keyfile.bin while removing the cryptkey parameter altogether:

<https://lists.parabola.nu/pipermail/assist/2017-July/000865.html>"

How I solved the issue on my setup :

1. Show keys

```
cryptsetup luksDump /dev/sda1
```

2. Remove old key in luks (in my case, the key was in Key Slot 1, make sure it is..)

```
cryptsetup luksKillSlot /dev/sda1 1
```

3. Remove old key in FS :

```
rm /etc/yourkey (mine was /etc/pass)
```

4. Create a new keyfile as /crypto\_keyfile.bin

```
dd bs=512 count=4 if=/dev/urandom of=/crypto_keyfile.bin iflag=fullblock
```

5. Add it to luks :

```
cryptsetup luksAddKey /dev/sda1 /crypto_keyfile.bin
```

chmod 000 /crypto\_keyfile.bin

6. Edit "FILES=" in mkinitcpio.conf so it reflects the location of the new key :

```
FILES="/crypto_keyfile.bin"
```

7. Create initramfs again

```
mkinitcpio -p linux-libre #Or other kernel..
```

8. Remove "cryptkey=rootfs:/path/to/key" arg from your linux cmd (not needed anymore as now using /crypto\_keyfile.bin which is default path)

Reboot

## #2 - 2017-09-18 12:27 AM - Anonymous

what should I do if I have no key in slot 1 but only in slot 0.

It keeps dropping me to a shell for the same reason...

## #3 - 2017-09-18 02:08 AM - isacdaavid

- *Related to Bug #1416: cryptkey=rootfs:/etc/pass issue | keyfile is not added to initramfs somehow added*

## #4 - 2017-11-03 06:03 PM - GNUtoo

Now it seems to work again with:

- cryptsetup 1.7.5-1
- mkinitcpio 23-2
- mkinitcpio-busybox 1.27.2-1

I don't know what fixed it.

Denis.

## #5 - 2017-11-10 04:07 PM - isacdaavid

- *Status changed from open to fixed*

overcome by circumstances that we never quite figured out S: