Red Hat Enterprise Linux Release 9.2 Manual Pages on 'dracut-shutdown.service.8' command

$ man dracut-shutdown.service.8

DRACUT-SHUTDOWN.S(8)   dracut   DRACUT-SHUTDOWN.S(8)

NAME

   dracut-shutdown.service - unpack the initramfs to /run/initramfs

SYNOPSIS

   dracut-shutdown.service

DESCRIPTION

   This service unpacks the initramfs image to /run/initramfs. systemd

   pivots into /run/initramfs at shutdown, so the root filesystem can be

   safely unmounted.

   The following steps are executed during a shutdown:

   ?   systemd switches to the shutdown.target

   ?   systemd starts

       /lib/systemd/system/shutdown.target.wants/dracut-shutdown.service

   ?   dracut-shutdown.service executes

       /usr/lib/dracut/dracut-initramfs-restore which unpacks the

       initramfs to /run/initramfs

? systemd finishes shutdown.target

? systemd kills all processes

? systemd tries to unmount everything and mounts the remaining

  read-only

? systemd checks, if there is a /run/initramfs/shutdown executable

? if yes, it does a pivot_root to /run/initramfs and executes

  ./shutdown. The old root is then mounted on /oldroot.

  /usr/lib/dracut/modules.d/99shutdown/shutdown.sh is the shutdown

  executable.

? shutdown will try to umount every /oldroot mount and calls the

  various shutdown hooks from the dracut modules

This ensures, that all devices are disassembled and unmounted cleanly.

To debug the shutdown process, you can get a shell in the shutdown

procedure by injecting "rd.break=pre-shutdown rd.shell" or

"rd.break=shutdown rd.shell".

```
# mkdir -p /run/initramfs/etc/cmdline.d
# echo "rd.break=pre-shutdown rd.shell" > /run/initramfs/etc/cmdline.d/debug.conf
# touch /run/initramfs/.need_shutdown
```

In case the unpack of the initramfs fails,

dracut-shutdown-onfailure.service executes to make sure switch root

doesn?t happen, since it would result in switching to an incomplete

initramfs.

AUTHORS

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SEE ALSO

dracut(8)