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Rocky Enterprise Linux 9.2 Manual Pages on command 'dracut-shutdown.service.8'

\$ 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 unmount 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.

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SEE ALSO

dracut(8)

dracut 07/01/2022 DRACUT-SHUTDOWN.S(8)