NAME

dracut.bootup − boot ordering in the initramfs

DESCRIPTION

This flow chart illustrates the ordering of the services, if systemd is used in the dracut initramfs.

```
                                        systemd−journal.socket
                                                   |
                                                   v
                                        dracut−cmdline.service
                                                   |
                                                   v
                                        dracut−pre−udev.service
                                                   |
                                                   v
                                         systemd−udevd.service
                                                   |
                                                   v
      local−fs−pre.target                dracut−pre−trigger.service
               |                                   |
               v                                   v
       (various mounts)  (various swap  systemd−udev−trigger.service
               |           devices...)               |             (various low−level   (v
               |               |                     |             services: seed,       A
               v               v                     v             tmpfiles, random     mq
        local−fs.target   swap.target     dracut−initqueue.service    sysctl, ...)
               |               |                     |                    |
               \_______________|_____________________ | ___________________|_______________
                                                  \|/
                                                   v
                                              sysinit.target
                                                   |
                                       ___________________/|\____________________
                                      /                   |                     \
                                      |                   |                     |
                                      v                   |                     v
                                 (various                 |               rescue.service
                                sockets...)               |                     |
                                      |                   |                     v
                                      v                   |               rescue.target
                              sockets.target              |
                                      |                   |
                                      \_________________ |                                eme
                                                     \|
                                                   v
                                         basic.target                                      em
                                                   |
                                 ______________________/|
                                /                      |
                                |                      v
                                |            initrd−root−device.target
                                |                      |
                                |                      v
                                |            dracut−pre−mount.service
                                |                      |
```

```
                                |                       v
                                |                  sysroot.mount
                                |                       |
                                |                       v
                                |             initrd-root-fs.target
                   (custom initrd services)             |
                                |                       v
                                |             dracut-mount.service
                                |                       |
                                |                       v
                                |            initrd-parse-etc.service
                                |                       |
                                |                       v
                                |            (sysroot-usr.mount and
                                |             various mounts marked
                                |               with fstab option
                                |                x-initrd.mount)
                                |                       |
                                |                       v
                                |                initrd-fs.target
                                \_______________________ |
                                                        \|
                                                        v
                                                  initrd.target
                                                        |
                                                        v
                                            dracut-pre-pivot.service
                                                        |
                                                        v
                                             initrd-cleanup.service
                                                  isolates to
                                            initrd-switch-root.target
                                                        |
                                                        v
                                 _______________________/|
                                /                        |
                                |        initrd-udevadm-cleanup-db.service
                                |                        |
                   (custom initrd services)              |
                                |                        |
                                \_______________________ |
                                                        \|
                                                        v
                                               initrd-switch-root.target
                                                        |
                                                        v
                                               initrd-switch-root.service
                                                        |
                                                        v
                                                  switch-root
```

AUTHOR

Harald Hoyer

SEE ALSO

man:dracut[8] man:bootup[7,external]