

Linux From Scratch - Version 12.1-systemd		
Chapter 8. Installing Basic System Software		
	/	
Jinja2-3.1.3	D-Bus-1.14.10	

8.75. Systemd-255

systemd

- : 0.7 SBU
- : 247 MB

8.75.1. systemd

udev render sgx

```
sed -i -e 's/GROUP="render"/GROUP="video"/' \
      -e 's/GROUP="sgx", //' rules.d/50-udev-default.rules.in
```

systemd-resolved DNSSEC systemd **systemd-analyze verify**

```
patch -Np1 -i ../systemd-255-upstream_fixes-1.patch
```

systemd

```
mkdir -p build
cd build

meson setup \
  --prefix=/usr \
  --buildtype=release \
  -Ddefault-dnssec=no \
  -Dfirstboot=false \
  -Dinstall-tests=false \
  -Dldconfig=false \
  -Dsysusers=false \
  -Drpmmacrodir=no \
  -Dhomed=disabled \
  -Duserdb=false \
  -Dman=disabled \
  -Dmode=release
```

```
-Dpamconfdir=no \
-Ddev-kvm-mode=0660 \
-Dnobody-group=nogroup \
-Dsysupdate=disabled \
-Dukify=disabled \
-Ddocdir=/usr/share/doc/systemd-255 \
..
```

meson

- `-buildtype=release`
- `-default-dnssec=no`
DNSSEC
- `-Dfirstboot=false`
systemd
- `-Dinstall-tests=false`
LFS
- `-Dldconfig=false`
ldconfig systemd LFS
- `-Dsysusers=false`
/etc/group /etc/passwd systemd 가
LFS
- `-Drpmmacrodir=no`
LFS가 RPM systemd RPM
- `-Dhomed=disabled` `-Duserdb=false`
LFS 가
- `-Dman=disabled`
가 systemd man
tarball
- `-Dmode=release`
- `-Dpamconfdir=no`
LFS PAM
- `-Ddev-kvm-mode=0660`
udev 가 /dev/kvm
- `-Dnobody-group=nogroup`
GID 65534 nogroup
- `-Dsysupdate=disabled`
systemd-sysupdate
Linux 가
- `-Dukify=`
systemd-ukify
LFS BLFS

ninja

:

ninja install

:

```
tar -xf ../../systemd-man-pages-255.tar.xz \
--no-same-owner --strip-components=1 \
-C /usr/share/man
```

systemd-journald /etc/machine-id :

systemd-machine-id-setup

systemctl preset-all

8.75.2. Systemd

- :
busctl, coredumpctl, halt(systemctl), hostnamectl, init, journalctl, - , localectl, loginctl, machinectl, mount. ddi(systemd-dissect), networkctl, oomctl, portablectl, poweroff(systemctl), reboot(systemctl), resolvconf(resolvectl), resolvectl, runlevel(systemctl), shutdown(systemctl), systemctl, systemd-ac-power, systemd-analyze, systemd-ask-password, systemd-cat, systemd-cgls, systemd-cgtop, systemd-confext(systemd-sysext), systemd-creds, systemd-delta, systemd-detect-virt, systemd-dissect, systemd-escape, systemd-hwdb, systemd-id128, systemd-inhibit, systemd-machine-id-setup, systemd-mount, systemd-notify, systemd-nspawn, systemd-path, systemd-repart, systemd-resolve(resolvectl), systemd-run, systemd-socket-activate, systemd-stdio-bridge, systemd-sysext, systemd-tmpfiles, systemd-tty-ask-password-agent, systemd-umount (systemd-mount), telinit (systemctl), timedatectl udevadm.
- :
libnss_myhostname.so.2, libnss_mymachines.so.2, libnss_resolve.so.2, libnss_systemd.so.2, libsystemd.so, libsystemd-shared-255.so(/usr/lib/systemd) libudev.so
- :
/etc/binfmt.d, /etc/init.d, /etc/kernel, /etc/modules-load.d, /etc/sysctl.d, /etc/systemd, /etc/tmpfiles.d, /etc/udev, /etc/xdg/systemd, /usr/lib/systemd, /usr/lib/udev,

/usr/include/systemd, /usr/lib/binfmt.d, /usr/lib/environment.d, /usr/lib/kernel, /usr/lib/modules-load.d, /usr/lib/sysctl.d, /usr/lib/systemd, /usr/lib/tmpfiles.d, /usr/share/doc/systemd-255, /usr/share/factory, /usr/share/systemd, /var/lib/systemd /var/log/journal.

- **busctl**
D-Bus
- **coredumpctl**
systemd
- **halt**
0, /var/log/wtmp -h
- **hostnamectl**
- **init**
; systemd
- **journalctl**
systemd
- **kernel-install**
kernel initramfs /boot 가 ; LFS
- **localectl**
- **loginctl**
d
- **machinectl**
systemd 가
- **networkctl**
systemd-networkd
- **oomctl**
systemd
- **portablectl**
- **poweroff**
(halt)
- **reboot**
(halt)
- **resolvconf**
DNS **systemd-resolved**
- **resolvectl**
, IPv4 IPv6 , DNS
- **runlevel**
run/utmp
- **shutdown**
- **systemctl**

- **systemd-sysex**
- **systemd-tmpfiles**
tmpfiles.d
- **systemd-umount**
- **systemd-tty-ask-password-agent**
systemd
- **telinit**
init
- **timedatectl**
- **udevadm**
udev , udev
가 , udev
udev
- libsystemd
- libudev
Udev

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