Linux From Scratch - Version 12.1-systemd		
Chapter 9. System Configuration		
	/	

9.3.

8 udev . udev
.

/dev
( )
.
mknod MAKEDEV .
udev .
, devtmpfs (
) .
.

9.3.1.

2000 2 , *devfs* 2.3.46 2.4
. ,
.

devfs ,
. .
, . *devfs*
. *devfs*
2006 6 .

2.5 2.6 *sysfs*
. *sysfs*
. *devfs*
.

9.3.2. Udev

9.3.2.1. Sysfs

sysfs . *sysfs*
.
sysfs(devtmpfs) .

. *sysfs*   (/sys   )   *sysfs*
                              udevd   (   )
         .

9.3.2.2.

                          devtmpfs   .
                    devtmpfs   . *devtmpfs*   /dev
                              ,   .

                    udevd   . udevd   /etc/udev/rules.d,
/usr/lib/udev/rules.d   /run/udev/rules.d
                                                               ,
udevd   (   )   .

                                                                      . udevd
                              devtmpfs   .

9.3.2.3.

                                                                . modinfo
                                                                                         .

    , *snd-fm801*   ID 0x1319   ID 0x0801   PCI   ,
pci:v00001319d00000801sv*sd*bc04sc01i*   .
sysfs   .   ,
/sys/bus/pci/devices/0000:00:0d.0/modalias
pci:v00001319d00000801sv00001319sd00001319bc04sc01i00   .
udev   udevd   MODALIAS   (sysfs
modalias   )   /sbin/modprobe
                                        .

              snd-fm801   (   ) *forte*
                    .   .

                              ,   NLS
     .

9.3.2.4.   /

USB(   ) MP3
                    .   udevd   .

9.3.3.

                                                            .

9.3.3.1.

Udev *sysfs*
. Linux-6.7.4
udev INPUT, IDE, PCI, USB, SCSI, SERIO FireWire
.

udev modinfo
. /sys/bus modalias .

modalias *sysfs*
. udev
.

/sys/bus modalias modalias
. Linux-6.7.4 ISA .
.

Udev *snd-pcm-oss* "wrapper" *loop*
.

9.3.3.2. **Udev** .

"wrapper" (: *snd-pcm-oss*
OSS *snd-pcm*), udev
modprobe .
/etc/modprobe.d/< >.conf "softdep" .

```
softdep snd-pcm post: snd-pcm-oss
```

"softdep" pre: pre: post: .
"softdep" [modprobe.d(5)](#) man .

9.3.3.3. Udev

forte /etc/modprobe.d/blacklist.conf
.

```
blacklist forte
```

modprobe .

9.3.3.4. Udev .

SCSI   (   )   SCSI   (   )   .   ,

.   udevadm info   .

9.3.3.5. Udev

sysfs

,   .   *sysfs*

/etc/udev/rules.d/10-wait_for_sysfs.rules

(   ).   LFS

.

9.3.3.6. Udev

, udev

.

sysfs   udev

.   .   /

/usr/lib/udev/devices   (

devices.txt   ).   udev   /dev

.

9.3.3.7.

udev

.   "   "   .

.   udev   *_id

.   9.4   "

"   9.2   "   "   .

9.3.4.

.

- *devfs*
  http://www.kroah.com/linux/talks/ols_2003_udev_paper/Reprint-Kroah-Hartman-OLS2003.pdf
- *sysfs*
  https://www.kernel.org/pub/linux/kernel/people/mochel/doc/papers/ols-2005/mochel.pdf