Systemd state in Gentoo

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Systemd

- systemd-29 - classic
- systemd-37 - separate /usr "is broken"
- systemd-38 - journald

systemd-overlay

- bootchart2 - boot profiling
- systemd-units - service files for different packages
- baselayout-systemd - native layout

QA

- systemd-38
- kmod-4
- linux-3.2.1
- udev-175
- / - btrfs
- /boot - ext4, comment=systemd.automount
- /home - ext4, comment=systemd.automount
- initrd - not used

BUGS

- sshd.socket - close session bug (FIXED)
- kdm.service - too long stop (UNCONFIRMED)
- rabbitmq-server.service - missing (FIXED)
- memcached.service - missing (UNCONFIRMED)
- procps - print cgroup bug (UNCONFIRMED)
- kmod-4 udev - compatibility (FIXED)
- screen cannot make /var/run/screen (CONFIRMED)

tmpfiles.d support

x11.conf

```
# Make sure these are created by default
# so that nobody else can
d /tmp/.X11-unix 1777 root root 10d
d /tmp/.ICE-unix 1777 root root 10d
d /tmp/.XIM-unix 1777 root root 10d
d /tmp/.font-unix 1777 root root 10d
d /tmp/.Test-unix 1777 root root 10d

# Unlink the X11 lock files
r /tmp/.X\[0-9\]*-lock
```

old fashion way

```
**** scsi_host ADDING /sys/devices/pci0000:00/\
0000:00:1c.5/0000:19:00.0/usb2/2-2/2-2:1.0/\
host12/scsi_host/host12
```

journald: internal info

```
.cursor=s=699ea133db00482fa4a7b5c657d46005;i=11a5;\
b=e4ab800eb7da4341ba2636b175401cd4;m=cd3bbcc29;\
t=4b7932409f4b4;x=2390aba9655d417f;p=system.journal
.realtime=1327742499550388
.monotonic=55091907625
.boot_id=e4ab800eb7da4341ba2636b175401cd4
```

journald: the message itself

```
PRIORITY=6
SYSLOG_FACILITY=3
SYSLOG_IDENTIFIER=dbus-daemon
MESSAGE=**** scsi_host ADDING /sys/devices/pci0000:00/\
0000:00:1c.5/0000:19:00.0/usb2/2-2/2-2:1.0/\
host12/scsi_host/host12
```

journald: systemd info

```
_TRANSPORT=stdout
_PID=1525
_UID=0
_GID=0
_COMM=dbus-daemon
_EXE=/usr/bin/dbus-daemon
_CMDLINE=/usr/bin/dbus-daemon --system\
--address=systemd: --nofork --systemd-activation
_SYSTEMD_CGROUP=/system/dbus.service
_SYSTEMD_UNIT=dbus.service
_BOOT_ID=e4ab800eb7da4341ba2636b175401cd4
_MACHINE_ID=39c6b68fb43e36e755a804880000005f
_HOSTNAME=m_melnikau-vaio
```