

# **Презентация лабораторной работы №7**

Управление журналами событий в системе

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Кхари Жекка Кализая Арсе

# Лабораторная работа

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# **Последовательность выполнения работы**

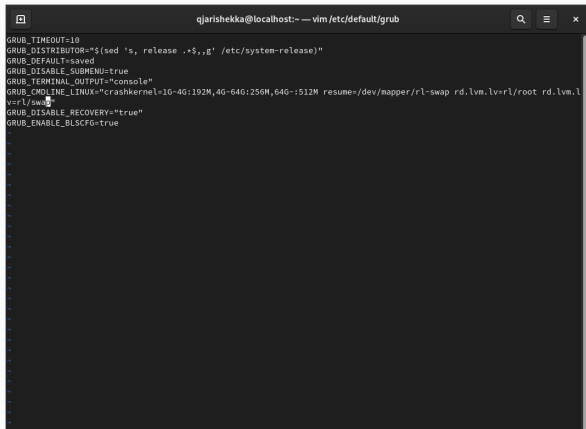
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# **Модификация параметров GRUB2**

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# Модификация параметров GRUB2

- КОМАНДЫ:
  - vim /etc/default/grub
  - GRUB\_TIMEOUT=10
  - grub2-mkconfig > /boot/grub2/grub.cfg



```
qjarishekkka@localhost:~ — vim /etc/default/grub
GRUB_TIMEOUT=10
GRUB_DISTRIBUTOR="$(sed 's, release .*,g' /etc/system-release)"
GRUB_DEFAULT=saved
GRUB_DISABLE_SUBMENU=true
GRUB_TERMINAL_OUTPUT="console"
GRUB_CMDLINE_LINUX="crashkernel=16-4G:192M,4G-64G:256M,64G-512M resume=/dev/mapper/rl-swap rd.lvm.lv=rl/root rd.lvm.lv=rl/swap"
GRUB_DISABLE_RECOVERY="true"
GRUB_ENABLE_BLSCFG=true
```

## **Устранения неполадок**

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## параметры для загрузки системы

- при загрузке системы:

systemd.unit=rescue.target systemd.unit=emergency.target

GRUB version 2.06

```
load_video
set gfxpayload=keep
insmod gzio
linux ($root)/vmlinuz-5.14.0-427.42.1.el9_4.x86_64 root=/dev/mapper/rl-root\
ro crashkernel=1G-4G:192M,4G-64G:256M,64G-:512M resume=/dev/mapper/rl-swap\
rd.lvm.lv=rl/root rd.lvm.lv=rl/swap rhgb quiet
initrd ($root)/initramfs-5.14.0-427.42.1.el9_4.x86_64.img $tuned_initrd
```

Minimum Emacs-like screen editing is supported. TAB lists completions. Press Ctrl-x or F10 to boot, Ctrl-c or F2 for a command-line or ESC to discard edits and return to the GRUB menu.

- КОМАНДЫ:
  - systemctl list-units
  - systemctl show-environment

```

Rocky Linux [Corrijo] - Oracle VM VirtualBox
Archivo Maquina Ver Entradas Dispositivos Ayuda
sys-devices-pci0000:00-0000-00:00-0-ata3-host2-target2:0:0-2:0:0-0-block-sda-sda1.device loaded active plugged UBOX_HARDDISK 1
sys-devices-pci0000:00-0000-00:00-0-ata3-host2-target2:0:0-2:0:0-0-block-sda-sda2.device loaded active plugged UBOX_HARDDISK 2
sys-devices-pci0000:00-0000-00:00-0-ata3-host2-target2:0:0-2:0:0-0-block-sda.device loaded active plugged UBOX_HARDDISK 3
sys-devices-platform-serial18250-tty-ttyS0.device loaded active plugged /sys/devices/platform/serial18250/tty/ttyS0
sys-devices-platform-serial18250-tty-ttyS1.device loaded active plugged /sys/devices/platform/serial18250/tty/ttyS1
sys-devices-platform-serial18250-tty-ttyS2.device loaded active plugged /sys/devices/platform/serial18250/tty/ttyS2
sys-devices-platform-serial18250-tty-ttyS3.device loaded active plugged /sys/devices/platform/serial18250/tty/ttyS3
sys-devices-virtual1-block-dmxx248.device loaded active plugged /sys/devices/virtual1/block/dm-0
sys-devices-virtual1-block-dmxx241.device loaded active plugged /sys/devices/virtual1/block/dm-1
sys-devices-virtual1-block-dmxx242.device loaded active plugged /sys/devices/virtual1/block/dm-2
sys-module-conf igfs.device loaded active plugged /sys/module/conf igfs
sys-module-fuse.device loaded active plugged /sys/module/fuse
sys-subsystem-net-devices-ens3.device loaded active mounted 82540EM Gigabit Ethernet Controller (PRO/1000)
- mount loaded active mounted Root Mount
boot.mount loaded active mounted /boot
dev-hugepages.mount loaded active mounted Huge Pages File System
dev-mqueue.mount loaded active mounted POSIX Message Queue File System
home.mount loaded active mounted /home
run-credentials-system\x2dsysctl.service.mount loaded active mounted /run/credentials/system-sysctl.service
run-credentials-system\x2dtmpfiles\x2dsetup.service.mount loaded active mounted /run/credentials/system-tmpfiles-setup.serv
run-credentials-system\x2dtmpfiles\x2dsetup\x2ddev.service.mount loaded active mounted /run/credentials/system-tmpfiles-setup-dev.
sys-fs-fuse-connections.mount loaded active mounted FUSE Control File System
sys-kernel-conf ig.mount loaded active mounted Kernel Configuration File System
sys-kernel-debug.mount loaded active mounted Kernel Debug File System
sys-kernel-tracing.mount loaded active mounted Kernel Trace File System
systemd-ask-password-plymouth.path loaded active waiting Forward Password Requests to Plymouth Direct
init.scope loaded active running System and Service Manager
alsa-state.service loaded active running Manage Sound Card State (restore and store)
dracut-shutdown.service loaded active exited Restore /run/initramfs on shutdown
kmod-static-nodes.service loaded active exited Create List of Static Device Nodes
lvm2-monitor.service loaded active exited Monitoring of LVM2 mirrors, snapshots etc. us
nis-domainname.service loaded active exited Read and set NIS domainname from /etc/syscon
plymouth-read-write.service loaded active exited Tell Plymouth To Write Out Runtime Data
plymouth-start.service loaded active exited Show Plymouth Boot Screen
rescue.service loaded active running Rescue Shell
systemd-boot-update.service loaded active exited Automatic Root Loader Update
systemd-journal-flush.service loaded active exited Flush Journal to Persistent Storage
systemd-journald.service loaded active running Journal Service
system-modules-load.service loaded active exited Load Kernel Modules
system-network-generator.service loaded active exited Generate network units from Kernel command l
system-random-seed.service loaded active exited Load/Save OS Random Seed
system-remount-fs.service loaded active exited Remount Root and Kernel File Systems
system-sysctl.service loaded active exited Apply Kernel Variables
systemd-tmpfiles-setup-dev.service loaded active exited Create Static Device Nodes in /dev
(root@localhost ~) # systemctl show-environment
Unknown command verb show-environment
(root@localhost ~) # systemctl show-environment
ANSWER: IDS.UITY-0

```



# emergency.target

- КОМАНДЫ:
- systemctl list-units

UNIT	LOAD	ACTIVE	SUB	DESCRIPTION
dev-disk-by\x2ddiskseq-3.device	loaded	activating	tentative	/dev/disk/by-diskseq/3
dev-disk-by\x2did-ata\x2dU00X_HARDDISK_U0c8a70400\x2d4f30c87c.device	loaded	activating	tentative	/dev/disk/by-id/ata-U00X_HARDDISK_U0c8a70400\x2d4f30c87c\x2dpart1.device
dev-disk-by\x2did-ata\x2dU00X_HARDDISK_U0c8a70400\x2d4f30c87c\x2dpart2.device	loaded	activating	tentative	/dev/disk/by-id/ata-U00X_HARDDISK_U0c8a70400\x2d4f30c87c\x2dpart2.device
dev-disk-by\x2dpartuuid-ef46943\x2d81.device	loaded	activating	tentative	/dev/disk/by-partuuid/ef46943-81
dev-disk-by\x2dpartuuid-ef46943\x2d82.device	loaded	activating	tentative	/dev/disk/by-partuuid/ef46943-82
dev-disk-by\x2dpath-pci\x2d0000:00:0d.0\x2data\x2d1.0.device	loaded	activating	tentative	/dev/disk/by-path/pci-0000:00:0d.0-ata-1
dev-disk-by\x2dpath-pci\x2d0000:00:0d.0\x2data\x2d1.0\x2dpart1.device	loaded	activating	tentative	/dev/disk/by-path/pci-0000:00:0d.0-ata-1
dev-disk-by\x2dpath-pci\x2d0000:00:0d.0\x2data\x2d1.0\x2dpart2.device	loaded	activating	tentative	/dev/disk/by-path/pci-0000:00:0d.0-ata-1
dev-disk-by\x2dpath-pci\x2d0000:00:0d.0\x2data\x2d1.device	loaded	activating	tentative	/dev/disk/by-path/pci-0000:00:0d.0-ata-1
dev-disk-by\x2dpath-pci\x2d0000:00:0d.0\x2data\x2d1\x2dpart1.device	loaded	activating	tentative	/dev/disk/by-path/pci-0000:00:0d.0-ata-1
dev-disk-by\x2dpath-pci\x2d0000:00:0d.0\x2data\x2d1\x2dpart2.device	loaded	activating	tentative	/dev/disk/by-path/pci-0000:00:0d.0-ata-1
dev-disk-by\x2dpartid-6b66c657\x2d2778\x2d4177\x2d2bb83\x2d2a323abc5e5ff.device	loaded	activating	tentative	/dev/disk/by-uuid-6b66c657-2778-4177-bb8
dev-sda.device	loaded	activating	tentative	/dev/sda
dev-sda1.device	loaded	activating	tentative	/dev/sda1
dev-sda2.device	loaded	activating	tentative	/dev/sda2
dev-ttyS8.device	loaded	activating	tentative	/dev/ttyS8
dev-ttyS1.device	loaded	activating	tentative	/dev/ttyS1
dev-ttyS2.device	loaded	activating	tentative	/dev/ttyS2
dev-ttyS3.device	loaded	activating	tentative	/dev/ttyS3
sys-devices-pci0000:00:0000:00:03.0-net-emp8s3.device	loaded	activating	tentative	/sys/devices/pci0000:00:0000:00:03.0/net
sys-devices-pci0000:00:0000:00:0d.0-ata3-host2-target2:0:0:0:0-block-sda-sda1.device	loaded	activating	tentative	/sys/devices/pci0000:00:0000:00:0d.0/ata
sys-devices-pci0000:00:0000:00:0d.0-ata3-host2-target2:0:0:0:0-block-sda-sda2.device	loaded	activating	tentative	/sys/devices/pci0000:00:0000:00:0d.0/ata
sys-devices-pci0000:00:0000:00:0d.0-ata3-host2-target2:0:0:0:0-block-sda-sda3.device	loaded	activating	tentative	/sys/devices/pci0000:00:0000:00:0d.0/ata
sys-devices-platform-serial18258-tty-ttyS8.device	loaded	activating	tentative	/sys/devices/platform-serial18258/tty/tty
sys-devices-platform-serial18258-tty-ttyS2.device	loaded	activating	tentative	/sys/devices/platform-serial18258/tty/tty
sys-devices-platform-serial18258-tty-ttyS3.device	loaded	activating	tentative	/sys/devices/platform-serial18258/tty/tty
sys-devices-virtual-block-dm\x2d8.device	loaded	active	plugged	/sys/devices/virtual/block/dm-8
sys-devices-virtual-block-dm\x2d1.device	loaded	active	plugged	/sys/devices/virtual/block/dm-1
sys-module-configfs	loaded	activating	tentative	/sys/module/configfs
sys-module-fuse	loaded	activating	tentative	/sys/module/fuse
sys-subsystem-net-devices-emp8s3.device	loaded	activating	tentative	/sys/subsystem/net/devices/emp8s3
-mount	loaded	active	mounted	Root Mount
init.scope	loaded	active	running	System and Service Manager
emergency.service	loaded	active	running	Emergency Shell
plymouth-start.service	loaded	active	exited	Show Plymouth Root Screen
systemd-journald.service	loaded	active	running	Journal Service
-slice	loaded	active	active	Root Slice
system-system\x2dhibernate\x2dresume.slice	loaded	active	active	Slice /system/system-hibernate-resume
system.slice	loaded	active	active	System Slice
system-journald-dev-log.socket	loaded	active	running	Journal Socket (/dev/log)
system-journald.socket	loaded	active	running	Journal Socket
emergency.target	loaded	active	active	Emergency Mode

LOAD = Reflects whether the unit definition was properly loaded.  
ACTIVE = The high-level unit activation state, i.e. generalization of SUB.  
SUB = The low-level unit activation state, values depend on unit type.

[root@localhost ~]

## Сброс пароля root

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# сброс пароля root

- параметр:
  - rd.break
- КОМАНДЫ:
  - mount -o remount,rw /sysroot
  - chroot /sysroot
  - passwd

```
[ 2.498296] sd 2:0:0:0: [sda] Preferred minimum I/O size 512 bytes
[ 2.491845] sda: sda1 sda2
[ 2.491211] sd 2:0:0:0: [sda] Attached SCSI disk
[ 2.513829] sr 1:0:0:0: [sr0] scsi3-mmc drive: 32x/32x xa/form2 tray
[ 2.513848] cdrom: Uniform CD-ROM driver Revision: 3.28
[ OK ] Found device /dev/mapper/rl-root.
[ OK ] Reached target Initrd Root Device.
[ OK ] Found device /dev/mapper/rl-swap.
      Starting Resume from hibernation using device /dev/mapper/rl-swap...
[ OK ] Finished Resume from hibernation using device /dev/mapper/rl-swap.
[ OK ] Reached target Preparation for Local File Systems.
[ OK ] Reached target Local File Systems.
[ OK ] Reached target System Initialization.
[ OK ] Reached target Basic System.
[ OK ] Finished dracut initqueue hook.
[ OK ] Reached target Preparation for Remote File Systems.
[ OK ] Reached target Remote File Systems.
      Starting File System Check on /dev/mapper/rl-root...
[ OK ] Finished File System Check on /dev/mapper/rl-root.
      Mounting /sysroot...
[ 5.243341] SGI XFS with ACLs, security attributes, scrub, quota, no debug enabled
[ 5.247454] XFS (dm-8): Mounting U5 Filesystem 1c4a403d-cb03-49de-b7c3-3228abeeb008
[ 5.262395] XFS (dm-8): Ending clean mount
[ OK ] Mounted /sysroot.
[ OK ] Reached target Initrd Root File System.
      Starting Mountpoints Configured in the Real Root...
[ OK ] Finished Mountpoints Configured in the Real Root.
[ OK ] Reached target Initrd File Systems.
[ OK ] Reached target Initrd Default Target.
      Starting dracut pre-pivot and cleanup hook...
```

# установка КОНТЕКСТА

- КОМАНДЫ:
  - load\_policy -i
  - chcon -t shadow\_t /etc/shadow

```
[ OK ] Reached target Local File Systems.
[ OK ] Reached target System Initialization.
[ OK ] Reached target Basic System.
[ OK ] Finished dracut initqueue hook.
[ OK ] Reached target Preparation for Remote File Systems.
[ OK ] Reached target Remote File Systems.
       Starting File System Check on /dev/mapper/r1-root...
[ OK ] Finished File System Check on /dev/mapper/r1-root.
       Mounting /sysroot...
[  5.243341] SGI XFS with ACLs, security attributes, scrub, quota, no debug enabled
[  5.247454] XFS (dm-8): Mounting UFS Filesystem 1c4a483d-cb03-49de-b7c3-3220abecb000
[  5.262395] XFS (dm-8): Ending clean mount
[ OK ] Mounted /sysroot.
[ OK ] Reached target Initrd Root File System.
       Starting Mountpoints Configured in the Real Root...
[ OK ] Finished Mountpoints Configured in the Real Root.
[ OK ] Reached target Initrd File Systems.
[ OK ] Reached target Initrd Default Target.
       Starting dracut pre-pivot and cleanup hook...
[  5.303643] dracut-pre-pivot[600]: Warning: Break before switch_root
       Starting Dracut Emergency Shell...

Generating "/run/initramfs/rdsosreport.txt"

Entering emergency mode. Exit the shell to continue.
Type "journalctl" to view system logs.
You might want to save "/run/initramfs/rdsosreport.txt" to a USB stick or /boot
after mounting them and attach it to a bug report.

switch_root:/# mount -o remount, rw /sysroot
switch_root:/# chroot /sysroot
sh-5.1# passwd
Changing password for user root.
New password:
Retype new password:
passwd: all authentication tokens updated successfully.
sh-5.1# load_policy -i
[  226.740630] audit: type=1404 audit(1731421105.784:2): enforcing=1 old_enforcing=0 auid=4294967295 ses=4294967295 enab
[  226.785444] SELinux: policy: aashllltu.entosmk.rese.contextanl
```