

Лабораторная рааабота №1

Дисциплина “Информационная безопасность”

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Начать знакомство с ОС Rocky Linux, вспомнить основы работы с GitHub, создать репозиторий.
Вспомнить основы работ с Markdown.

1. Скачать ОС с официального сайта
2. Создать виртуальную машину
3. Настроить виртуальную машину
4. Выполнить домашнее задание

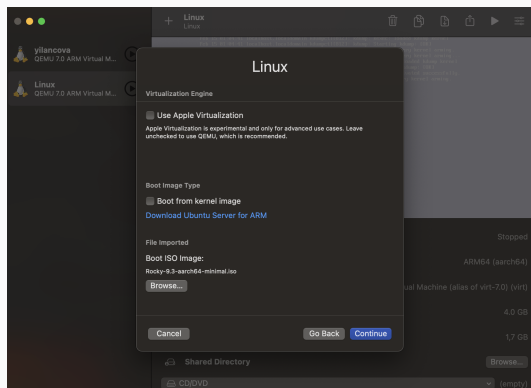


Рис. 1: Создание виртуальной машины. 1

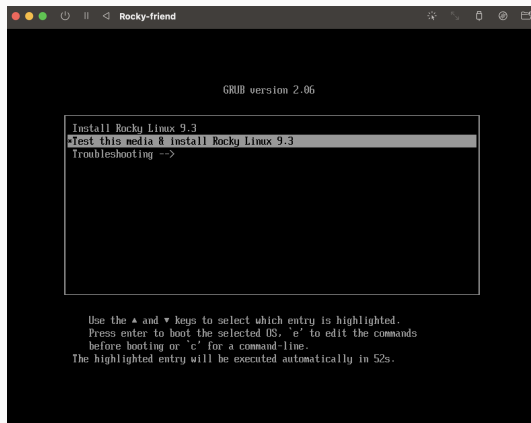


Рис. 2: Запуск виртуальной машины

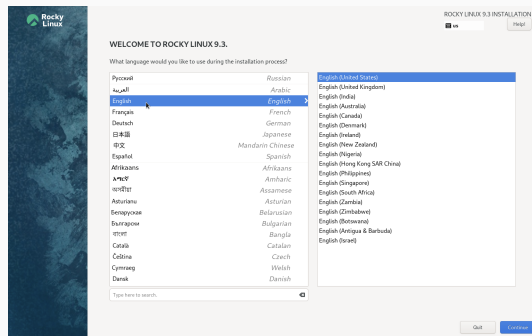


Рис. 3: Установка английского языка интерфейса ОС

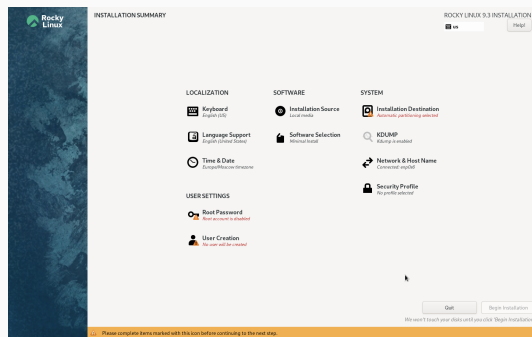


Рис. 4: Окно настройки установки образа ОС

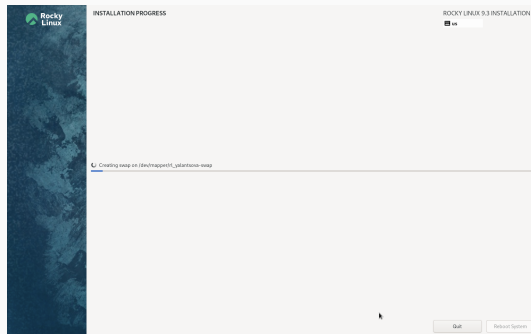


Рис. 5: Установка

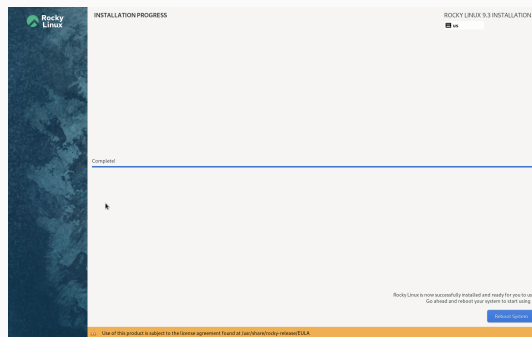


Рис. 6: Завершение установки

Процесс выполнения работы

```
met.  
[ 2.788048] systemd[1]: Starting Generate network units from Kernel command line...  
[ 2.781942] systemd[1]: Starting Remount Root and Kernel File Systems...  
[ 2.782187] systemd[1]: Repartition Root Disk was skipped because no trigger condition checks were met.  
[ 2.782679] systemd[1]: Starting Apply Kernel Variables...  
[ 2.783232] systemd[1]: Starting Coldplug All udev Devices...  
[ 2.784037] fuse: Init (API version 7.36)  
[ 2.785611] systemd[1]: Activated swap /dev/mapper/vg_lantsova-swap.  
[ 2.788273] systemd[1]: Mounted Huge Pages File System.  
[ 2.789864] systemd[1]: Mounted POSIX Message Queue File System.  
[ 2.790874] systemd[1]: Mounted Kernel Debug File System.  
[ 2.796544] systemd[1]: Mounted Kernel Trace File System.  
[ 2.798141] systemd[1]: Finished Create List of Static Device Modes.  
[ 2.798461] systemd[1]: modprobe@configfs.service: Deactivated successfully.  
[ 2.793385] systemd[1]: Finished Load Kernel Module configfs.  
[ 2.794218] ACPI: bus type drac_connector registered  
[ 2.794038] systemd[1]: modprobe@fuse.service: Deactivated successfully.  
[ 2.794985] systemd[1]: Finished Load Kernel Module fuse.  
[ 2.795382] systemd[1]: Started Journal Service.  
[ 2.889799] systemd-journal[1568]: Received client request to flush runtime journal.  
[ 3.119582] [drm] pci: virtio-gpu-pci detected at 0000:08:01.0  
[ 3.119622] [drm] features: -virgl -edid -resource_blob -host_visible  
[ 3.119623] [drm] features: -context_init  
[ 3.119844] [drm] number of scanouts: 1  
[ 3.119866] [drm] number of cap sets: 0  
[ 3.120380] [drm] Initialized virtio-gpu 0.1.0 0 for 0000:08:01.0 on minor 0  
[ 3.121525] virtio-pci 0000:08:01.0: [drm] fb1: virtio_gpu_drmfb frame buffer device  
[ 3.218137] scsi 0:0:0:0: CD-ROM QEMU QEMU CD-ROM 2.5+ PQ: 0 ANSI: 5  
[ 3.223848] scsi 0:0:0:0: Attached scsi generic sg0 type 5  
[ 3.230190] sr 0:0:0:0: [sr0] scsi3-mmc drive: 16x/50x cd/rw xa/for2d cdda tray  
[ 3.236280] cdrom Uniform CD-ROM driver Revision: 3.20  
[ 3.236722] sr 0:0:0:0: Attached scsi CD-ROM sr0  
[ 3.797904] XFS (vda2): Mounting UFS Filesystem  
[ 3.823896] XFS (vda2): Starting recovery (logdev: internal)  
[ 3.827541] XFS (vda2): Ending recovery (logdev: internal)  
vg_lantsova@vg_lantsova ~$
```

Рис. 7: Результат выполнения команды dmesg

```
[ 3.119623] [drm] features: -context_init
[ 3.119654] [drm] number of scanouts: 1
[ 3.119656] [drm] number of cap sets: 0
[ 3.120380] [drm] Initialized virtio_gpu 0.1.0 0 for 0000:00:01.0 on minor 0
[ 3.121525] virtio-pci 0000:00:01.0: [drm] fb1: virtio_gpudrmfb frame buffer device
[ 3.210137] scsi 0:0:0:0: CD-ROM          QEMU    QEMU CD-ROM    2.5+ PQ: 0 ANSI: 5
[ 3.223040] scsi 0:0:0:0: Attached scsi generic sg0 type 5
[ 3.230190] sr 0:0:0:0: (sr0) scsi3-mmc drive: 16x/50x cd/rw xa/form2 cdda tray
[ 3.230200] cdrom: Uniform CD-ROM driver Revision: 3.20
[ 3.230572] sr 0:0:0:0: Attached scsi CD-ROM sr0
[ 3.797904] XFS (vda2): Mounting U5 Filesystem
[ 3.823096] XFS (vda2): Starting recovery (logdev: internal)
[ 3.827541] XFS (vda2): Ending recovery (logdev: internal)
[galantsov@galantsov ~]$ dmesg | grep -i "Linux version"
[ 0.000000] Linux version 5.14.0-362.8.1.el9_3.aarch64 (mockbuild@pb-f43e9bcf-175e-4a18-9a89-a557
91a5b62f-b-aarch64) (gcc (GCC) 11.4.1 20230605 (Red Hat 11.4.1-2), GNU ld version 2.35-2-42.el9) #1
 SMP PREEMPT_DYNAMIC Thu Nov 9 05:21:32 UTC 2023
[galantsov@galantsov ~]$ dmesg | grep -i "Mhz processor"
[galantsov@galantsov ~]$ dmesg | grep -i "CPU0"
[ 0.000000] Detected PIPT I-cache on CPU0
[galantsov@galantsov ~]$ dmesg | grep -i "Memory:"
[ 0.000000] Memory: 3957716K/4194304K available (12920K kernel code, 5466K rwdata, 10020K rodata,
5880K init, 11252K bss, 236580K reserved, 0K cma-reserved)
[ 0.293050] Freeing initrd memory: 32016K
[ 0.390656] Freeing unused kernel memory: 5000K
[galantsov@galantsov ~]$ dmesg | grep -i "supervisor"
[galantsov@galantsov ~]$ dmesg | grep -i "Filesystem"
[ 2.264430] XFS (dm-0): Mounting U5 Filesystem
[ 3.797904] XFS (vda2): Mounting U5 Filesystem
[galantsov@galantsov ~]$ dmesg | grep -i "Mounting"
[ 2.264430] XFS (dm-0): Mounting U5 Filesystem
[ 2.765215] systemd[1]: Mounting Huge Pages File System...
[ 2.767402] systemd[1]: Mounting POSIX Message Queue File System...
[ 2.769104] systemd[1]: Mounting Kernel Debug File System...
[ 2.771540] systemd[1]: Mounting Kernel Trace File System...
[ 3.797904] XFS (vda2): Mounting U5 Filesystem
[galantsov@galantsov ~]$ _
```

Рис. 8: Поиск различной информации с помощью grep

Начала знакомство с ОС Rocky Linux, вспомнила основы работы с GitHub. Вспомнила основы работ с Markdown.