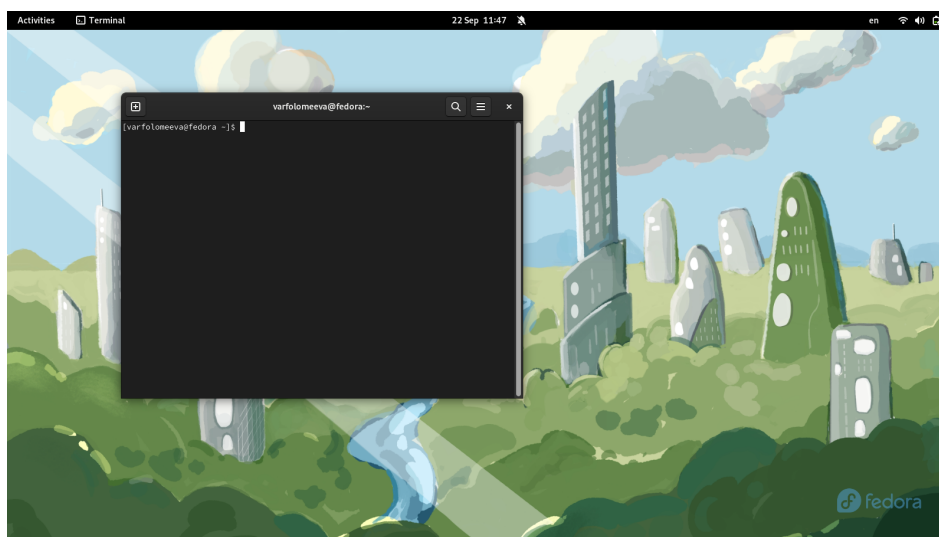


Operating systems laba 1

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1 Установка дистрибутивы Linux



2 Получение справочной информации о системе и установленных приложениях.

2.1 Обновите список пакетов, обновите систему.

```
varfolomeeva@fedora:~  
[varfolomeeva@fedora ~]$ sudo dnf upgrade  
[sudo] password for varfolomeeva:  
Sorry, try again.  
[sudo] password for varfolomeeva:  
Last metadata expiration check: 0:34:13 ago on Fri 22 Sep 2023 11:17:24 MSK.  
Dependencies resolved.  
Nothing to do.  
Complete!  
[varfolomeeva@fedora ~]$
```


2.4 Определите, какая система инициализации используется в вашем дистрибутиве Linux.

```
varfolomeeva@fedora:~  
Complete!  
[varfolomeeva@fedora ~]$ ls -l `which init`  
lrwxrwxrwx. 1 root root 22 Mar 31 20:28 /usr/sbin/init -> ../lib/systemd/systemd  
[varfolomeeva@fedora ~]$
```

2.5 Получите список доступных репозиториях для вашей системы.

```
varfolomeeva@fedora:~  
[varfolomeeva@fedora ~]$ sudo dnf upgrade  
[sudo] password for varfolomeeva:  
Last metadata expiration check: 0:40:08 ago on Fri 22 Sep 2023 11:17:24 MSK.  
Dependencies resolved.  
Nothing to do.  
Complete!  
[varfolomeeva@fedora ~]$ dnf repolist  
repo id                repo name  
code                   Visual Studio Code  
docker-ce-stable       Docker CE Stable - x86_64  
fedora                  Fedora 37 - x86_64  
fedora-cisco-openh264  Fedora 37 openh264 (From Cisco) - x86_64  
fedora-modular          Fedora Modular 37 - x86_64  
google-chrome          google-chrome  
protonvpn-fedora-stable ProtonVPN Fedora Stable repository  
rpmfusion-free         RPM Fusion for Fedora 37 - Free  
rpmfusion-free-updates RPM Fusion for Fedora 37 - Free - Updates  
rpmfusion-nonfree      RPM Fusion for Fedora 37 - Nonfree  
rpmfusion-nonfree-updates RPM Fusion for Fedora 37 - Nonfree - Updates  
updates               Fedora 37 - x86_64 - Updates  
updates-modular        Fedora Modular 37 - x86_64 - Updates  
[varfolomeeva@fedora ~]$
```

2.6 Установите на свою виртуальную машину файловый менеджер Midnight Commander и текстовый редактор Vim.

```
varfolomeeva@fedora:~  
[varfolomeeva@fedora ~]$ sudo dnf install vim  
Last metadata expiration check: 0:41:16 ago on Fri 22 Sep 2023 11:17:24 MSK.  
Package vim-enhanced-2:9.0.1872-1.fc37.x86_64 is already installed.  
Dependencies resolved.  
Nothing to do.  
Complete!  
[varfolomeeva@fedora ~]$ sudo dnf install -y mc  
Last metadata expiration check: 0:41:31 ago on Fri 22 Sep 2023 11:17:24 MSK.  
Package mc-1:4.8.29-1.fc37.x86_64 is already installed.  
Dependencies resolved.  
Nothing to do.  
Complete!  
[varfolomeeva@fedora ~]$
```

2.7 Получите список установленных программ, убедитесь, что Midnight Commander и Vim в нем появились.(\$ yum list installed)

```
varfolomeeva@fedora:~  
mc.x86_64 1:4.8.29-1.fc37 @updates  
mclog.x86_64 3:175-5.fc37 @anaconda  
mdadm.x86_64 4.2-2.fc37 @anaconda  
mdevctl.x86_64 1.2.0-1.fc37 @anaconda
```

```
varfolomeeva@fedora:~  
vid.stab.x86_64 1.1.0-20.20201110gitf9166e9.fc37 @fedora  
vim-common.x86_64 2:9.0.1872-1.fc37 @updates  
vim-data.noarch 2:9.0.1872-1.fc37 @updates  
vim-enhanced.x86_64 2:9.0.1872-1.fc37 @updates  
vim-filesystem.noarch 2:9.0.1872-1.fc37 @updates  
vim-minimal.x86_64 2:9.0.1872-1.fc37 @updates
```

2.8 Получите информацию, из какого репозитория был установлен пакет.

Информация в скринах из пункта 7

2.9 Получите место расположения исполняемых файлов установленного программного обеспечения.

```
varfolomeeva@fedora:~  
[varfolomeeva@fedora ~]$ which mc  
alias mc='. /usr/libexec/mc/mc-wrapper.sh'  
[varfolomeeva@fedora ~]$ which vim  
/usr/bin/vim  
[varfolomeeva@fedora ~]$
```

2.10 Определите, какие зависимости требует Midnight Commander.

```
varfolomeeva@fedora:~  
[varfolomeeva@fedora ~]$ dnf deplist mc  
Last metadata expiration check: 0:00:08 ago on Fri 22 Sep 2023 12:08:07 MSK.  
package: mc-1:4.8.28-3.fc37.x86_64  
  dependency: /usr/bin/perl  
    provider: perl-interpreter-4:5.36.1-494.fc37.x86_64  
  dependency: /usr/bin/sh  
    provider: bash-5.2.15-1.fc37.i686  
    provider: bash-5.2.15-1.fc37.x86_64  
  dependency: libc.so.6(GLIBC_2.34) (64bit)  
    provider: glibc-2.36-11.fc37.x86_64  
  dependency: libe2p.so.2() (64bit)  
    provider: e2fsprogs-libs-1.46.5-3.fc37.x86_64  
  dependency: libglib-2.0.so.0() (64bit)  
    provider: glib2-2.74.7-2.fc37.x86_64  
  dependency: libgpm.so.2() (64bit)  
    provider: gpm-libs-1.20.7-41.fc37.x86_64  
  dependency: libslang.so.2() (64bit)  
    provider: slang-2.3.3-1.fc37.x86_64  
  dependency: libslang.so.2(SLANG2) (64bit)  
    provider: slang-2.3.3-1.fc37.x86_64  
  dependency: perl(File::Basename)  
    provider: perl-File-Basename-2.85-494.fc37.noarch  
  dependency: perl(File::Temp)  
    provider: perl-File-Temp-1:0.231.100-489.fc37.noarch  
  dependency: perl(POSIX)  
    provider: perl-POSIX-2.03-494.fc37.x86_64  
  dependency: perl(bytes)  
    provider: perl-libs-4:5.36.1-494.fc37.i686  
    provider: perl-libs-4:5.36.1-494.fc37.x86_64  
  dependency: perl(strict)  
    provider: perl-libs-4:5.36.1-494.fc37.i686  
    provider: perl-libs-4:5.36.1-494.fc37.x86_64  
  dependency: rtld(GNU_HASH)  
    provider: glibc-2.36-11.fc37.i686  
    provider: glibc-2.36-11.fc37.x86_64
```

```
varfolomeeva@fedora:~  
package: mc-1:4.8.29-1.fc37.x86_64  
  dependency: /usr/bin/perl  
    provider: perl-interpreter-4:5.36.1-494.fc37.x86_64  
  dependency: /usr/bin/sh  
    provider: bash-5.2.15-1.fc37.i686  
    provider: bash-5.2.15-1.fc37.x86_64  
  dependency: libc.so.6(GLIBC_2.34) (64bit)  
    provider: glibc-2.36-11.fc37.x86_64  
  dependency: libe2p.so.2() (64bit)  
    provider: e2fsprogs-libs-1.46.5-3.fc37.x86_64  
  dependency: libglib-2.0.so.0() (64bit)  
    provider: glib2-2.74.7-2.fc37.x86_64  
  dependency: libgpm.so.2() (64bit)  
    provider: gpm-libs-1.20.7-41.fc37.x86_64  
  dependency: libslang.so.2() (64bit)  
    provider: slang-2.3.3-1.fc37.x86_64  
  dependency: libslang.so.2(SLANG2) (64bit)  
    provider: slang-2.3.3-1.fc37.x86_64  
  dependency: perl(File::Basename)  
    provider: perl-File-Basename-2.85-494.fc37.noarch  
  dependency: perl(File::Temp)  
    provider: perl-File-Temp-1:0.231.100-489.fc37.noarch  
  dependency: perl(POSIX)  
    provider: perl-POSIX-2.03-494.fc37.x86_64  
  dependency: perl(bytes)  
    provider: perl-libs-4:5.36.1-494.fc37.i686  
    provider: perl-libs-4:5.36.1-494.fc37.x86_64  
  dependency: perl(strict)  
    provider: perl-libs-4:5.36.1-494.fc37.i686  
    provider: perl-libs-4:5.36.1-494.fc37.x86_64  
  dependency: rtld(GNU_HASH)  
    provider: glibc-2.36-11.fc37.i686  
    provider: glibc-2.36-11.fc37.x86_64  
[varfolomeeva@fedora ~]$
```