

Министерство науки и высшего образования Российской Федерации
федеральное государственное автономное образовательное учреждение высшего
образования
«НАЦИОНАЛЬНЫЙ ИССЛЕДОВАТЕЛЬСКИЙ УНИВЕРСИТЕТ ИТМО»

Отчет

по лабораторной работе №4 «Управление пользователями, группами пользователей и
правами на файлы и каталоги в Linux»
по дисциплине «Администрирование Linux»

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УНИВЕРСИТЕТ ИТМО

Санкт-Петербург 2021

Ход выполнения работы.

#1

yum groupinstall "Development tools"


(133/213): rpm-build-4.14.3-19.el8.x86_64.rpm	539 kB/s 173 kB	00:00
(134/213): systemtap-devel-4.5-3.el8.x86_64.rpm	3.8 MB/s 2.3 MB	00:00
(135/213): systemtap-client-4.5-3.el8.x86_64.rpm	3.1 MB/s 3.7 MB	00:01
(136/213): systemtap-runtime-4.5-3.el8.x86_64.rpm	989 kB/s 509 kB	00:00
(137/213): source-highlight-3.1.8-17.el8.x86_64.rpm	441 kB/s 660 kB	00:01
(138/213): tbb-2018.2-9.el8.x86_64.rpm	916 kB/s 160 kB	00:00
(139/213): urw-base35-c059-fonts-20170801-10.el8.noarch.rpm	2.3 MB/s 884 kB	00:00
(140/213): urw-base35-d0500001-fonts-20170801-10.el8.noarch.rpm	833 kB/s 79 kB	00:00
(141/213): urw-base35-bookman-fonts-20170801-10.el8.noarch.rpm	1.6 MB/s 857 kB	00:00
(142/213): urw-base35-fonts-20170801-10.el8.noarch.rpm	201 kB/s 12 kB	00:00
(143/213): urw-base35-fonts-common-20170801-10.el8.noarch.rpm	323 kB/s 23 kB	00:00
(144/213): tzdata-java-2021e-1.el8.noarch.rpm	233 kB/s 191 kB	00:00
(145/213): urw-base35-gothic-fonts-20170801-10.el8.noarch.rpm	2.1 MB/s 654 kB	00:00
(146/213): urw-base35-nimbus-mono-ps-fonts-20170801-10.el8.noarch.rpm	2.4 MB/s 801 kB	00:00
(147/213): urw-base35-nimbus-sans-fonts-20170801-10.el8.noarch.rpm	3.7 MB/s 1.3 MB	00:00
(148/213): urw-base35-nimbus-roman-fonts-20170801-10.el8.noarch.rpm	1.5 MB/s 865 kB	00:00
(149/213): urw-base35-p052-fonts-20170801-10.el8.noarch.rpm	2.6 MB/s 982 kB	00:00
(150/213): urw-base35-standard-symbols-ps-fonts-20170801-10.el8.noarch.rpm	549 kB/s 44 kB	00:00
(151/213): urw-base35-z003-fonts-20170801-10.el8.noarch.rpm	1.3 MB/s 279 kB	00:00
(152/213): valgrind-devel-3.17.0-5.el8.x86_64.rpm	500 kB/s 93 kB	00:00
(153/213): vimfilesystem-8.0.1763-16.el8.noarch.rpm	627 kB/s 49 kB	00:00
(154/213): xorg-x11-font-utils-7.5-41.el8.x86_64.rpm	331 kB/s 104 kB	00:00
(155/213): xorg-x11-fonts-ISO8859-1-100dpi-7.5-19.el8.noarch.rpm	3.7 MB/s 1.1 MB	00:00
(156/213): zstd-1.4.4-1.el8.x86_64.rpm	1.3 MB/s 393 kB	00:00
(157/213): xorg-x11-server-utils-7.7-27.el8.x86_64.rpm	569 kB/s 198 kB	00:00
(158/213): elfutils-debuginfod-client-0.185-1.el8.x86_64.rpm	121 kB/s 66 kB	00:00
(159/213): valgrind-3.17.0-5.el8.x86_64.rpm	7.0 MB/s 11 MB	00:01
(160/213): elfivar-libs-37-4.el8.x86_64.rpm	148 kB/s 107 kB	00:00
(161/213): elfutils-debuginfod-client-devel-0.185-1.el8.x86_64.rpm	271 kB/s 56 kB	00:00
(162/213): elfutils-libelf-devel-0.185-1.el8.x86_64.rpm	259 kB/s 59 kB	00:00
(163/213): emacsfilesystem-26.1-7.el8.noarch.rpm	342 kB/s 70 kB	00:00
(164/213): fontpackages-filesystem-1.44-22.el8.noarch.rpm	173 kB/s 16 kB	00:00
(165/213): elfutils-devel-0.185-1.el8.x86_64.rpm	176 kB/s 86 kB	00:00
(166/213): fontconfig-2.13.1-4.el8.x86_64.rpm	319 kB/s 274 kB	00:00
(167/213): gdk-pixbuf2-2.36.12-5.el8.x86_64.rpm	359 kB/s 467 kB	00:01
(168/213): gettext-devel-0.19.8.1-17.el8.x86_64.rpm	237 kB/s 331 kB	00:01
(169-170/213): gettext-common- 66% [=====	1 4.6 MB/s 163 MB	00:17 ETA
Total	5.7 MB/s 245 MB	00:42
Running transaction check		
Transaction check succeeded.		
Running transaction test		
Transaction test succeeded.		
Running transaction		
Running scriptlet: copy-jdk-configs-4.0-2.el8.noarch		1/1
Running scriptlet: java-1.8.0-openjdk-headless-1:1.8.0.312.b07-2.el8_5.x86_64		1/1
Preparing		1/1
Upgrading : glibc-all-langpacks-2.28-164.el8.x86_64		1/236
Upgrading : glibc-common-2.28-164.el8.x86_64		2/236
Upgrading : glibc-langpack-ru-2.28-164.el8.x86_64		3/236
Running scriptlet: glibc-2.28-164.el8.x86_64		4/236
Upgrading : glibc-2.28-164.el8.x86_64 [=====	1	4/236

```
urw-base35-fonts-20170801-10.el8.noarch
urw-base35-fonts-common-20170801-10.el8.noarch
urw-base35-gothic-fonts-20170801-10.el8.noarch
urw-base35-nimbus-mono-ps-fonts-20170801-10.el8.noarch
urw-base35-nimbus-roman-fonts-20170801-10.el8.noarch
urw-base35-nimbus-sans-fonts-20170801-10.el8.noarch
urw-base35-p052-fonts-20170801-10.el8.noarch
urw-base35-standard-symbols-ps-fonts-20170801-10.el8.noarch
urw-base35-z003-fonts-20170801-10.el8.noarch
valgrind-1:3.17.0-5.el8.x86_64
valgrind-devel-1:3.17.0-5.el8.x86_64
vim-filesystem-2:8.0.1763-16.el8.noarch
xml-common-0.6.3-50.el8.noarch
xorg-x11-font-utils-1:7.5-41.el8.x86_64
xorg-x11-fonts-ISO8859-1-100dpi-7.5-19.el8.noarch
xorg-x11-server-utils-7.7-27.el8.x86_64
xz-devel-5.2.4-3.el8.x86_64
zlib-devel-1.2.11-17.el8.x86_64
zstd-1.4.4-1.el8.x86_64
```


Complete!


#2


Download and unrar

 **IISSergeyII / CentOS** Public Unwatch

[Code](#) [Issues](#) [Pull requests](#) [Actions](#) [Projects](#) [Wiki](#) [Security](#) [Insights](#) [Settings](#)

 main ▾



 1 branch


 0 tags

[Go to file](#)

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[Code ▾](#)

 **IISSergeyII** Add files via upload d51d0f5 12 days ago  1 commit

 Lab4.rar Add files via upload 12 days ago

Help people interested in this repository understand your project by adding a README.

[Add a README](#)

```
[root@localhost ~]# git clone https://github.com/IISSergeyII/CentOS.git
Cloning into 'CentOS'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 1.18 MiB | 4.19 MiB/s, done.
[root@localhost ~]# ls
bin  CentOS  etc  lib  lost+found  mnt  proc  run  srv  tmp  var
boot  dev  home  lib64  media  opt  root  sbin  sys  usr

[root@localhost ~]# cd CentOS/
[root@localhost CentOS]# ls
Lab4.rar
[root@localhost CentOS]# unrar
-bash: unrar: command not found
[root@localhost CentOS]# urar
-bash: urar: command not found
[root@localhost CentOS]# wget --no-check-certificate https://www.rarlab.com/rar/rarlinux-x64-6.0.2.tar.gz
--2021-09-22 20:09:02-- https://www.rarlab.com/rar/rarlinux-x64-6.0.2.tar.gz
Resolving www.rarlab.com (www.rarlab.com)... 51.195.68.162
Connecting to www.rarlab.com (www.rarlab.com)|51.195.68.162|:443... connected.
WARNING: The certificate of www.rarlab.com is not trusted.
WARNING: The certificate of www.rarlab.com is not yet activated.
The certificate has not yet been activated
HTTP request sent, awaiting response... 200 OK
Length: 599150 (585K) [application/x-gzip]
Saving to: rarlinux-x64-6.0.2.tar.gz

rarlinux-x64-6.0.2.tar.gz 100%[=====>] 585.11K 2.38MB/s in 0.2s

2021-09-22 20:09:03 (2.38 MB/s) - rarlinux-x64-6.0.2.tar.gz saved [599150/599150]

[root@localhost CentOS]# ls
Lab4.rar  rarlinux-x64-6.0.2.tar.gz
```

```

[root@localhost CentOS1]# tar -zxvf rarlinux-x64-6.0.2.tar.gz
rar/
rar/unrar
rar/acknow.txt
rar/whatsnew.txt
rar/order.htm
rar/readme.txt
rar/rar.txt
rar/makefile
rar/default.sfx
rar/rar
rar/rarfiles.lst
rar/license.txt

[root@localhost CentOS1]# cd rar
[root@localhost rar]# ls
acknow.txt  license.txt  order.htm  rarfiles.lst  readme.txt  whatsnew.txt
default.sfx  makefile    rar        rar.txt       unrar
[root@localhost rar]# cp -v rar unrar /usr/local/bin
'rar' -> '/usr/local/bin/rar'
'unrar' -> '/usr/local/bin/unrar'

[root@localhost rar]# cd ..
[root@localhost CentOS1]# ls
Lab4.rar  rar  rarlinux-x64-6.0.2.tar.gz
[root@localhost CentOS1]# unrar x Lab4.rar

UNRAR 6.02 freeware      Copyright (c) 1993-2021 Alexander Roshal

Extracting from Lab4.rar

Extracting  checkinstall-1.6.2-3.el6.1.x86_64.rpm          OK
Extracting  fortunes-ru_1.52-2_all.deb                     OK
Creating    bastet-0.43                                     OK
Extracting  bastet-0.43/AUTHORS                             OK
Extracting  bastet-0.43/bastet.6                           OK
Extracting  bastet-0.43/BastetBlockChooser.cpp            OK
Extracting  bastet-0.43/BastetBlockChooser.hpp            OK
Extracting  bastet-0.43/Block.cpp                          OK
Extracting  bastet-0.43/Block.hpp                          OK
Extracting  bastet-0.43/BlockChooser.cpp                  OK
Extracting  bastet-0.43/BlockChooser.hpp                  OK
Extracting  bastet-0.43/BlockPosition.cpp                 OK
Extracting  bastet-0.43/BlockPosition.hpp                 OK
Extracting  bastet-0.43/Config.cpp                         OK
Extracting  bastet-0.43/Config.hpp                         OK
Extracting  bastet-0.43/INSTALL                            OK
Extracting  bastet-0.43/LICENSE                            OK
Extracting  bastet-0.43/main.cpp                           OK
Extracting  bastet-0.43/Makefile                           OK
Extracting  bastet-0.43/NEWS                                OK
Extracting  bastet-0.43/README                              OK
Extracting  bastet-0.43/Ui.cpp                              OK
Extracting  bastet-0.43/Ui.hpp                              OK
Extracting  bastet-0.43/Well.cpp                            OK
Extracting  bastet-0.43/Well.hpp                            OK
All OK

```

Работа с bastet

```
[root@localhost CentOS]# cd bastet-0.43/
[root@localhost bastet-0.43]# ls -al
total 148
drwxr-xr-x. 2 root root 4096 Nov 12 2021 .
drwxr-xr-x. 5 root root 4096 Sep 22 20:14 ..
-rw-r--r--. 1 root root 54 Mar 21 2009 AUTHORS
-rw-r--r--. 1 root root 1370 Mar 21 2009 bastet.6
-rw-r--r--. 1 root root 7216 Mar 21 2009 BastetBlockChooser.cpp
-rw-r--r--. 1 root root 3945 Mar 21 2009 BastetBlockChooser.hpp
-rw-r--r--. 1 root root 1308 Mar 21 2009 BlockChooser.cpp
-rw-r--r--. 1 root root 1546 Mar 21 2009 BlockChooser.hpp
-rw-r--r--. 1 root root 3511 Mar 21 2009 Block.cpp
-rw-r--r--. 1 root root 3224 Mar 21 2009 Block.hpp
-rw-r--r--. 1 root root 2013 Mar 21 2009 BlockPosition.cpp
-rw-r--r--. 1 root root 1927 Mar 21 2009 BlockPosition.hpp
-rw-r--r--. 1 root root 7139 Mar 21 2009 Config.cpp
-rw-r--r--. 1 root root 2259 Mar 21 2009 Config.hpp
-rw-r--r--. 1 root root 670 Mar 21 2009 INSTALL
-rw-r--r--. 1 root root 35147 Mar 21 2009 LICENSE
-rw-r--r--. 1 root root 1876 Mar 21 2009 main.cpp
-rw-r--r--. 1 root root 505 Mar 21 2009 Makefile
-rw-r--r--. 1 root root 1650 Mar 21 2009 NEWS
-rw-r--r--. 1 root root 1532 Mar 21 2009 README
-rw-r--r--. 1 root root 14042 Mar 21 2009 Ui.cpp
-rw-r--r--. 1 root root 3139 Mar 21 2009 Ui.hpp
-rw-r--r--. 1 root root 2169 Mar 21 2009 Well.cpp
-rw-r--r--. 1 root root 2968 Mar 21 2009 Well.hpp

Installed:
ncurses-c++-libs-6.1-9.20180224.el8.x86_64      ncurses-devel-6.1-9.20180224.el8.x86_64

Complete!
[root@localhost bastet-0.43]# make
g++ -DNDEBUG -Wall -c -o Ui.o Ui.cpp
Ui.cpp: In member function 'int Bastet::BorderedWindow::GetMinX()':
Ui.cpp:82:9: warning: variable 'y' set but not used [-Wunused-but-set-variable]
    int y,x;
        ^
Ui.cpp: In member function 'int Bastet::BorderedWindow::GetMaxX()':
Ui.cpp:94:9: warning: variable 'y' set but not used [-Wunused-but-set-variable]
    int y,x;
```

```

PROGNAME=bastet
LDFLAGS+=-lncurses
#CXXFLAGS+=-ggdb -Wall
CXXFLAGS+=-DDEBUG -Wall
#CXXFLAGS+=-pg
#LDFLAGS+=-pg

all: $(PROGNAME)

depend: *.hpp $(SOURCES)
        $(CXX) -MM $(SOURCES) > depend

include depend

$(PROGNAME): $(SOURCES:.cpp=.o)
        $(CXX) -ggdb -o $(PROGNAME) $(SOURCES:.cpp=.o) $(LDFLAGS) -lboost_program_options

install:
        cp bastet /usr/local/bin

clean:
        rm -f $(SOURCES:.cpp=.o) $(PROGNAME)

mrproper: clean
        rm -f *~

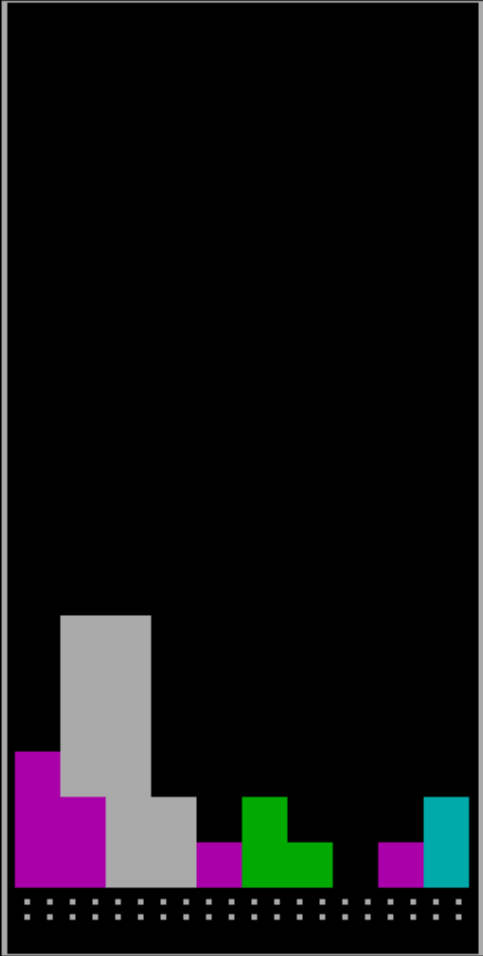
```

```

[root@localhost bastet-0.43]# make install
cp bastet /usr/local/bin
[root@localhost bastet-0.43]# chmod 755 /usr/local/bin/bastet

```





Next block:



Score: 100

Lines: 1

Level: 0

#3

```
[root@localhost Lab4]# yum list installed > task3.log
```

#4

```
[root@localhost bastet-0.43]# rpm -q --whatrequires gcc > task4_1.log
[root@localhost bastet-0.43]# rpm -q --whatrequires libgcc > task4_2.log
[root@localhost bastet-0.43]# cat task4_1.log
amobin-9.72-1.el8_5.2.x86_64
gcc-gdb-plugin-8.5.0-4.el8_5.x86_64
systemtap-devel-4.5-3.el8.x86_64
gcc-c++-8.5.0-4.el8_5.x86_64
libquadmath-devel-8.5.0-4.el8_5.x86_64
[root@localhost bastet-0.43]# cat task4_2.log
gcc-8.5.0-4.el8_5.x86_64
```

#5

```
[root@localhost ~]# mkdir localrepo
[root@localhost ~]# cp /CentOS/checkinstall-1.6.2-3.el6.1.x86_64.rpm localrepo/
[root@localhost ~]# ls
anaconda-ks.cfg  localrepo
[root@localhost ~]# ls localrepo/
checkinstall-1.6.2-3.el6.1.x86_64.rpm
```

```
[root@localhost ~]# createrepo localrepo/
Directory walk started
Directory walk done - 1 packages
Temporary output repo path: localrepo/.repodata/
Preparing sqlite DBs
Pool started (with 5 workers)
Pool finished
```

```
[root@localhost ~]# nano /etc/yum.repos.d/local.repo
```

```
[local-repo]
name=My Local repo
baseurl=file:///root/localrepo
enabled=1
gpgcheck=0
```

#6

```
[root@localhost ~]# yum repolist all
repo id                repo name                status
AppStream               CentOS-8 - AppStream     enabled
AppStream-source        CentOS-8 - AppStream Sources disabled
BaseOS                  CentOS-8 - Base          enabled
BaseOS-source           CentOS-8 - BaseOS Sources disabled
Devel                   CentOS-8 - Devel WARNING! FOR BUILDROOT USE ONLY! disabled
HighAvailability         CentOS-8 - HA            disabled
PowerTools              CentOS-8 - PowerTools    disabled
base-debuginfo          CentOS-8 - Debuginfo     disabled
c8-media-AppStream       CentOS-AppStream-8 - Media disabled
c8-media-BaseOS          CentOS-BaseOS-8 - Media  disabled
centosplus               CentOS-8 - Plus          disabled
centosplus-source        CentOS-8 - Plus Sources  disabled
cr                       CentOS-8 - cr            disabled
extras                  CentOS-8 - Extras        enabled
extras-source           CentOS-8 - Extras Sources disabled
fasttrack               CentOS-8 - fasttrack     disabled
local-repo              My local repo            enabled
[root@localhost ~]# yum repolist all > task6.log
```

#7

```
[root@localhost ~]# yum --disablerepo="*" --enablerepo="local-repo" list available
My local repo                1.4 MB/s | 1.4 kB    00:00
Available Packages
checkinstall.x86_64          1.6.2-3.el6.1        local-repo
[root@localhost ~]# yum reposync -p=/root/localrepo --repoid=local-repo --download-metadata
My local repo                2.9 MB/s | 3.0 kB    00:00
My local repo                4.7 MB/s | 7.0 kB    00:00
checkinstall-1.6.2-3.el6.1.x86_64.rpm 109 MB/s | 112 kB    00:00
```

```
[root@localhost ~]# yum install checkinstall.x86_64
Last metadata expiration check: 0:02:26 ago on Fri 12 Nov 2021 01:58:46 PM MSK.
Dependencies resolved.
=====
Package                Architecture      Version           Repository        Size
=====
Installing:
checkinstall           x86_64            1.6.2-3.el6.1    local-repo        112 k
Transaction Summary
=====
Install 1 Package

Total size: 112 k
Installed size: 420 k
Is this ok [y/N]:
```

#8

```
[root@localhost localrepo]# cp /CentOS/fortunes-ru_1.52-2_all.deb /root/
[root@localhost localrepo]# cd /root/
[root@localhost ~]# ls
anaconda-ks.cfg  fortunes-ru_1.52-2_all.deb  localrepo  task6.log
```

Установим alien (+perl)

```
[root@localhost ~]# wget -c https://sourceforge.net/projects/alien-pkg-convert/files/release/alien_8.95.tar.xz
--2021-09-22 20:53:24-- https://sourceforge.net/projects/alien-pkg-convert/files/release/alien_8.95.tar.xz
Resolving sourceforge.net (sourceforge.net)... 204.68.111.105
[root@localhost ~]# tar xf alien_8.95.tar.xz
```

```
[root@localhost ~]# dnf install perl
```

```
[root@localhost alien-8.95]# perl Makefile.PL: make; make install
```

```
[root@localhost ~]# alien --to-rpm fortunes-ru_1.52-2_all.deb  
fortunes-ru-1.52-3.noarch.rpm generated
```

```
[root@localhost ~]# rpm -ivh fortunes-ru-1.52-3.noarch.rpm
```

#9

```
[root@localhost ~]# yum download nano  
Last metadata expiration check: 0:35:58 ago on Wed 22 Sep 2021 08:41:48 PM MSK.  
nano-2.9.8-1.el8.x86_64.rpm                                1.7 MB/s | 581 kB      00:00  
[root@localhost ~]# ls  
alien-8.95          fortunes-ru_1.52-2_all.deb      nano-2.9.8-1.el8.x86_64.rpm  
alien_8.95.tar.xz   fortunes-ru-1.52-3.noarch.rpm  rpmbuild  
anaconda-ks.cfg     localrepo                      task6.log  
[root@localhost ~]# alien nano-2.9.8-1.el8.x86_64.rpm -r -g  
Warning: Skipping conversion of scripts in package nano: postinst prerm  
Warning: Use the --scripts parameter to include the scripts.  
Use of uninitialized value in concatenation (.) or string at /usr/local/share/perl5/Alien/Package/RPM.pm line 342, <GETPERMS> line 101.  
Directory nano-2.9.8 prepared.  
[root@localhost ~]# ls  
alien-8.95          fortunes-ru_1.52-2_all.deb      nano-2.9.8                task6.log  
alien_8.95.tar.xz   fortunes-ru-1.52-3.noarch.rpm  nano-2.9.8-1.el8.x86_64.rpm  
anaconda-ks.cfg     localrepo                      rpmbuild
```

-g, --generate

Generate a temporary directory suitable for building a package from, but do not actually create the package. This is useful if you want to move files around in the package before building it. The package can be built from this temporary directory by running "debain/rules binary", if you were creating a Debian package, or by running "rpmbuild -bb <packagename>.spec" if you were creating a Red Hat package.

```
[root@localhost nano-2.9.8]# nano nano-2.9.8-2.spec
```

%description

GNU nano is a small and friendly text editor.

(Converted from a rpm package by alien version 8.95.)

%files

%config "/etc/nanorc"

"/usr/bin/nano"

"/usr/bin/newnano"

```
[root@localhost nano-2.9.8]# cp usr/bin/nano usr/bin/newnano
```

```
[root@localhost nano-2.9.8]# rpmbuild --buildroot=/root/nano-2.9.8 -bb nano-2.9.8-2.spec_
```

```
Wrote: ../nano-2.9.8-2.x86_64.rpm  
Executing(%clean): /bin/sh -e /var/tmp/rpm-tmp.axDUyW  
+ umask 022  
+ cd /root/rpmbuild/BUILD  
+ /usr/bin/rm -rf /root/nano-2.9.8  
+ exit 0  
[root@localhost nano-2.9.8]# ls  
[root@localhost nano-2.9.8]# cd /root/  
[root@localhost ~]# ls  
alien-8.95          fortunes-ru_1.52-2_all.deb      nano-2.9.8-1.el8.x86_64.rpm  task6.log  
alien_8.95.tar.xz   fortunes-ru-1.52-3.noarch.rpm  nano-2.9.8-2.x86_64.rpm  
anaconda-ks.cfg     localrepo                      rpmbuild  
[root@localhost ~]# rpm -i nano-2.9.8-2.x86_64.rpm
```

Доп задание

Написать пакет, который устанавливаем vim удаляет nano

Скачал vi -> добавил в .spec файл

%pre

rpm -e nano

```
[root@localhost ~]# yum download vi
Last metadata expiration check: 2:19:20 ago on Wed 22 Sep 2021 08:41:48 PM MSK.
vim-minimal-8.0.1763-16.el8.x86_64.rpm                2.3 MB/s | 573 kB      00:00
[root@localhost ~]# ls
alien-8.95                                fortunes-ru-1.52-3.noarch.rpm  nano-2.9.8-2.x86_64.rpm
alien_8.95.tar.xz                        localrepo                    rpmbuild
anaconda-ks.cfg                          nano-2.9.8                  task6.log
fortunes-ru_1.52-2_all.deb               nano-2.9.8-1.el8.x86_64.rpm  vim-minimal-8.0.1763-16.el8.x86_64.rpm
```

```
[root@localhost ~]# alien vim-minimal-8.0.1763-16.el8.x86_64.rpm -r -g
Use of uninitialized value in concatenation (.) or string at /usr/local/share/perl5/Alien/Package/Rp
m.pm line 342, <GETPERMS> line 15.
Directory vim-minimal-8.0.1763 prepared.
[root@localhost ~]# ls
alien-8.95                                localrepo                    task6.log
alien_8.95.tar.xz                        nano-2.9.8                  vim-minimal-8.0.1763
anaconda-ks.cfg                          nano-2.9.8-1.el8.x86_64.rpm vim-minimal-8.0.1763-16.el8.x86_64.rpm
fortunes-ru_1.52-2_all.deb               nano-2.9.8-2.x86_64.rpm
fortunes-ru-1.52-3.noarch.rpm            rpmbuild
```

```
[root@localhost vim-minimal-8.0.1763]# nano vim-minimal-8.0.1763-17.spec
```

```
GNU nano 2.9.8 vim-minimal-8.0.1763-17.spec

Buildroot: /root/vim-minimal-8.0.1763
Name: vim-minimal
Version: 8.0.1763
Release: 17
Summary: A minimal version of the VIM editor
License: Vim and MIT
Distribution: Red Hat
Group: Converted/

%define _rpmdir ../
%define _rpmfilename %{{NAME}}-%{{VERSION}}-%{{RELEASE}}.%{{ARCH}}.rpm
%define _unpackaged_files_terminate_build 0

%description
VIM (VIsual editor iMproved) is an updated and improved version of the
vi editor. Vi was the first real screen-based editor for UNIX, and is
still very popular. VIM improves on vi by adding new features:
multiple windows, multi-level undo, block highlighting and more. The
vim-minimal package includes a minimal version of VIM, which is
installed into /bin/vi for use when only the root partition is
present. NOTE: The online help is only available when the vim-common
package is installed.

(Converted from a rpm package by alien version 8.95.)

%pre
rpm -e nano_
```