Лабораторная работа №4

Работа с программными пакетами

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Цель

Получить навыки работы с репозиториями и менеджерами пакетов.

Выполнение лабораторной

работы

Работа с репозиториями

каталог репозиториев

```
root@ankomyagin:/etc/yum.repos.d

[ankomyagin@ankomyagin ~]$ su -
Password:
[root@ankomyagin ~]# cd /etc/yum.repos.d
[root@ankomyagin yum.repos.d]# ls
epel-cisco-openh264.repo epel-testing.repo rocky-devel.repo rocky.repo
epel.repo rocky-addons.repo rocky-extras.repo
```

содержимое файла репозитория

```
[appstream]
name=Rocky Linux Sreleasever - AppStream
mirrorlist=https://mirrors.rockylinux.org/mirrorlist?arch=$basearch&repo=AppStream-$releasever$rltype
#baseurl=http://dl.rockylinux.org/$contentdir/$releasever/AppStream/$basearch/os/
gpgcheck=1
enabled=1
countme=1
metadata expire=6h
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-Rocky-9
[appstream-debuginfo]
name=Rocky Linux $releasever - AppStream - Debug
mirrorlist=https://mirrors.rockylinux.org/mirrorlist?arch=$basearch&repo=AppStream-$releasever-debug$rltype
#baseurl=http://dl.rockylinux.org/$contentdir/$releasever/AppStream/$basearch/debug/tree/
gpgcheck=1
enabled=8
metadata expire=6h
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-Rocky-9
[appstream-source]
name=Rocky Linux $releasever - AppStream - Source
mirrorlist=https://mirrors.rockylinux.org/mirrorlist?arch=source&repo=AppStream-$releasever-source&rltype
#baseurl=http://dl.rockylinux.org/$contentdir/$releasever/AppStream/source/tree/
gngcheck=1
enabled=0
metadata expire=6h
gngkey=file:///etc/nki/rnm-gng/RPM-GPG-KFY-Rocky-9
name=Rocky Linux Sreleasever - CRB
mirrorlist=https://mirrors.rockylinux.org/mirrorlist?arch=$basearch&reno=CRR-$releasever$rltyne
#baseurl=http://dl.rockylinux.org/$contentdir/$releasever/CRB/$basearch/os/
gpgcheck=1
enabled=0
countme=1
metadata expire=6h
gpgkev=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-Rocky-9
[crb-debuginfo]
name=Rocky Linux Sreleasever - CRB - Debug
mirrorlist=https://mirrors.rockvlinux.org/mirrorlist?arch=$basearch&repo=CRB-$releasever-debug$rltvpe
#baseurl=http://dl.rockylinux.org/$contentdir/$releasever/CRB/$basearch/debug/tree/
gpgcheck=1
enabled=0
metadata expire=6h
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-Rocky-9
```

список репозиториев

```
TOCKY AUGUNSTIEPO TOCKY EXCLASTIEPO
[root@ankomyagin yum.repos.d]# dnf repolist
repo id
                                   repo name
appstream
                                   Rocky Linux 9 - AppStream
baseos
                                   Rocky Linux 9 - BaseOS
epel
                                   Extra Packages for Enterprise Linux 9 - x86_64
epel-cisco-openh264
                                   Extra Packages for Enterprise Linux 9 openh264 (From Cisco) - x86_64
                                   Rocky Linux 9 - Extras
extras
[root@ankomyagin yum.repos.d]# dnf search nmap
Last metadata expiration check: 19 days, 17:25:25 ago on Sat 07 Sep 2024 07:50:10 PM MSK.
```

установка птар

```
[root@ankomvagin_vum.repos.d]# dnf_search_nmap
Last metadata expiration check: 19 days, 17:25:25 ago on Sat 07 Sep 2024 07:50:10 PM MSK.
nmap.x86 64 : Network exploration tool and security scanner
Name & Summary Matched: nmap -----
nmap-ncat.x86_64 : Nmap's Netcat replacement
[root@ankomyagin vum.repos.d]# dnf info nmap
Extra Packages for Enterprise Linux 9 - x86_64
                                                                              45 kB/s |
                                                                                        31 kB
                                                                                                 66:66
Extra Packages for Enterprise Linux 9 - x86 64
                                                                             5.2 MB/s I
                                                                                        23 MB
                                                                                                 00:04
Extra Packages for Enterprise Linux 9 openh264 (From Cisco) - x86_64
                                                                             2.5 kB/s | 993 B
                                                                                                 66:66
Rocky Linux 9 - BaseOS
                                                                             5.2 kB/s | 4.1 kB
                                                                                                 00:00
Rocky Linux 9 - BaseOS
                                                                             2.6 MB/s | 2.3 MB
                                                                                                 00:00
Rocky Linux 9 - AppStream
                                                                             10 kB/s | 4.5 kB
                                                                                                 00:00
Rocky Linux 9 - AppStream
                                                                             3.6 MB/s | 8.0 MB
                                                                                                 00:02
Rocky Linux 9 - Extras
                                                                             5.0 kB/s | 2.9 kB
                                                                                                 00:00
Available Packages
Name
Epoch
Version
          : 7.92
Release
Architecture : x86 64
           . 5.4 M
Source
           : nmap-7.92-1.el9.src.rpm
Repository : appstream
Summary
           : Network exploration tool and security scanner
           : http://nmap.org/
HRI
License
           : Nman
Description : Nmap is a utility for network exploration or security auditing. It supports
           : ping scanning (determine which hosts are up), many port scanning techniques
           : (determine what services the hosts are offering), and TCP/IP fingerprinting
           : (remote host operating system identification). Nmap also offers flexible target
           and port specification, decoy scanning, determination of TCP sequence
           : predictability characteristics, reverse-identd scanning, and more. In addition
           : to the classic command-line nmap executable, the Nmap suite includes a flexible
           : data transfer, redirection, and debugging tool (netcat utility neat), a utility
           : for comparing scan results (ndiff), and a packet generation and response
           : analysis tool (nping).
```

Удаление nmap

```
[root@ankomyagin yum.repos.d]# dnf remove nmap
Dependencies resolved.
Package
                        Architecture
                                                  Version
                                                                                     Repository
                                                                                                                    Size
Removing:
                                                 3:7.92-1.el9
                        x86 64
                                                                                     @appstream
                                                                                                                    24 M
Transaction Summary
Remove 1 Package
Freed space: 24 M
Is this ok [v/N]: v
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
 Preparing
 Erasing
                   : nmap-3:7.92-1.el9.x86 64
 Running scriptlet: nmap-3:7.92-1.el9.x86 64
 Verifying
                  : nmap-3:7.92-1.el9.x86_64
Removed:
 nmap-3:7.92-1.el9.x86 64
Complete!
[root@ankomyagin_vum.repos.d]# dnf_remove_nmap\*
Dependencies resolved.
Package
                             Architecture
Removing:
                            x86 64
                                                     3 · 7 92-1 el9
                                                                                      @AppStream
                                                                                                                  469 k
Transaction Summary
```

Список групп пакетов

Список групп пакетов

```
last metadata expiration check: 0:02:16 ago on Fri 27 Sep 2024 81:16:07 PM MSK.
Available Environment Groups:
  Minimal Install
  Workstation
  KDE Plasma Workspaces
  Custom Operating System
  Virtualization Host
Installed Environment Groups:
  Server with GUI
Installed Groups:
  Container Management
  Development Tools
  Headless Management
Available Groups:
  Fedora Packager
  VideoLAN Client
  Legacy UNIX Compatibility
  Console Internet Tools
   .NET Development
  Graphical Administration Tools
  Network Servers
  RPM Development Tools
  Scientific Support
  Security Tools
  Smart Card Support
  System Tools
[root@ankomyagin vum.repos.d]# LANG=C dnf groups list
Last metadata expiration check: 0:02:37 ago on Fri Sep 27 13:16:07 2024.
Available Environment Groups:
  Minimal Install
  Workstation
  KDE Plasma Workspaces
  Custom Operating System
  Virtualization Host
Installed Environment Groups:
  Server with GUI
Installed Groups:
  Container Management
  Development Tools
  Headless Management
Available Groups:
  Fedora Packager
  VideoLAN Client
  Legacy UNIX Compatibility
  Console Internet Tools
   .NET Development
```

установка RPM Development Tools

```
[root@ankomvagin_vum.repos.d]# dnf groups_info "RPM Development Tools"
Last metadata expiration check: 0:03:12 ago on Fri 27 Sep 2024 01:16:07 PM MSK.
Group: RPM Development Tools
 Description: Tools used for building RPMs, such as rombuild.
 Mandatory Packages:
  redhat-rom-config
  rpm-build
 Default Packages:
  rpmdevtools
 Optional Packages:
  romlint
froot@ankomvagin vum.repos.dl# dnf groupinstall "RPM Development Tools"
Last metadata expiration check: 0:03:21 ago on Fri 27 Sep 2024 01:16:07 PM MSK.
Dependencies resolved.
T.
 Package
                                Architecture
                                                                              Repository
Installing group/module packages:
 romdevtools
                                noarch
                                                    9.5-1.el9
                                                                              appstream
                                                                                                     75 k
Installing dependencies:
python3-argcomplete
                                noarch
                                                    1.12.8-5.el9
                                                                              appstream
                                                                                                     61 k
Installing Groups:
RPM Development Tools
Transaction Summary
Install 2 Packages
Total download size: 135 k
Installed size: 414 k
Is this ok [v/N]:
```

Просмотр истории и отмена действия

```
[root@ankomvagin vum.repos.d]# dnf history
       I Command line
                                                                   I Date and time
                                                                                    | Action(s)
                                                                                                   I Altered
    10 | groupremove RPM Development Tools
                                                                    2024-09-27 13:19 | Removed
     9 | groupinstall RPM Development Tools
                                                                    2024-09-27 13:19 | Install
     8 | remove nmap*
                                                                    2024-09-27 13:17 | Removed
     7 | remove nmap
                                                                    2024-09-27 13:17 | Removed
     6 | install nmap
                                                                    2024-09-27 13:16 | Install
                                                                    2024-09-14 15:34 | I, U
        -v install pandoc
                                                                    2024-09-07 19:50 | Install
        -y install epel-release
                                                                    2024-09-07 19:49 | Install
     2 | -v update
                                                                    2024-09-07 19:25 | I. U
                                                                                                      164 E
                                                                    2024-09-07 19:04 | Install
                                                                                                     1293 >F
 [root@ankomyagin vum.repos.d]# dnf history undo 10
Last metadata expiration check: 0:04:44 ago on Fri 27 Sep 2024 01:16:07 PM MSK.
 Dependencies resolved
Двойной щелчок для перехода в полноэкранный режим, CTRL+щелчок для приведения размера экрана к размеру видео
 Installing group/module packages:
 rpmdevtools
                                                     9.5-1.el9
                                                                                                       75 k
                                                                               appstream
Installing dependencies:
 python3-argcomplete
                                 noarch
                                                     1.12.0-5.el9
                                                                                                      61 k
                                                                               appstream
Installing Groups:
 RPM Development Tools
 Transaction Summary
Install 2 Packages
Total download size: 135 k
Installed size: 414 k
Is this ok [v/N]:
```

Использование rpm _____

Предположим, что требуется

установить текстовый браузер

lynx из rpm-пакета

установка lynx из rpm-пакета

```
[root@ankomyagin vum.repos.d]# dnf list lynx
Last metadata expiration check: 0:05:09 ago on Fri 27 Sep 2024 01:16:07 PM MSK.
Available Packages
lvnx.x86 64
                                                    2 8 9-20 619
                                                                                                         appstream
[root@ankomvagin_vum.repos.d]# dnf install lvnx --downloadonlv
Last metadata expiration check: 0:05:21 ago on Fri 27 Sep 2024 01:16:07 PM MSK.
Dependencies resolved.
 Package
                        Architecture
                                                 Version
                                                                                Repository
                                                                                                             Size
Installing:
                        x86 64
                                                 2.8.9-20.el9
                                                                                appstream
                                                                                                            1.5 M
Transaction Summary
Install 1 Package
Total download size: 1.5 M
Installed size: 6.1 M
DNF will only download packages for the transaction.
Is this ok [v/N]: v
Downloading Packages:
lvnx-2.8.9-20.el9.x86 64.rpm
                                                                                                        00.00
Total
                                                                                  1.2 MB/s | 1.5 MB
                                                                                                        00:01
Complete!
The downloaded packages were saved in cache until the next successful transaction.
You can remove cached packages by executing 'dnf clean packages'.
[root@ankomvagin_vum.repos.d]# find /var/cache/dnf/ -name_lvnx*
/var/cache/dnf/appstream-25485261a76941d3/packages/lvnx-2.8.9-20.el9.x86 64.rpm
[root@ankomvagin_vum.repos.d] # cd /var/cache/dnf/appstream-25485261a76941d3/packages/
[root@ankomvagin_packages]# rpm -Uhv lvnx-2.8.9-20.el9.x86 64.rpm
Verifying...
                                    ################################# [100%]
Preparing...
                                    [100%]
Updating / installing...
   1:1vnx-2.8.9-20.e19
                                    [root@ankomvagin packages]# which lvnx
```

доп информация об lynx

```
[root@ankomyagin packages]# rpm -qf $(which lynx)
lvnx-2.8.9-20.el9.x86_64
[root@ankomyagin packages]# rpm -qi lynx
Name
           : lynx
Version : 2.8.9
Release : 20 el9
Architecture: x86 64
Install Date: Fri 27 Sep 2024 01:22:49 PM MSK
Group : Unspecified
Size : 6356615
License : GPLv2
Signature : RSA/SHA256, Tue 16 Apr 2024 02:13:04 AM MSK, Key ID 702d426d350d275d
Source RPM : lynx-2.8.9-20.el9.src.rpm
Build Date : Tue 16 Apr 2024 02:10:31 AM MSK
Build Host : pb-abd37acc-a1a8-4064-a86c-09fcc75626b8-b-x86-64
Packager
          : Rocky Linux Build System (Peridot) <releng@rockylinux.org>
Vendor
          : Rocky Enterprise Software Foundation
URL
           : http://lynx.browser.org/
Summarv
           : A text-based Web browser
Description :
Lynx is a text based Web browser. Lynx does not display any images.
but it does support frames, tables, and most other HTML tags. One
advantage Lynx has over graphical browsers is speed; Lynx starts and
exits quickly and swiftly displays web pages.
                                                                           11:33
[root@ankomyagin packages]#
```

список файлов пакета

```
froot@ankomyagin packages]# rpm -ql lynx
/etc/lvnx-site.cfg
/etc/lynx.cfg
/etc/lvnx.lss
/usr/bin/lynx
/usr/lib/.build-id
/usr/lib/.build-id/5a
/usr/lib/.build-id/5a/06d3c4e1a8f4e4a2a1a5305737084bab728b85
/usr/share/doc/lynx
/usr/share/doc/lvnx/INSTALLATION
/usr/share/doc/lynx/README
/usr/share/doc/lynx/docs
/usr/share/doc/lvnx/docs/CHANGES2.3
/usr/share/doc/lynx/docs/CHANGES2.4
/usr/share/doc/lynx/docs/CHANGES2.5
/usr/share/doc/lynx/docs/CHANGES2.6
/usr/share/doc/lynx/docs/CHANGES2.7
/usr/share/doc/lynx/docs/CHANGES2.8
/usr/share/doc/lvnx/docs/CRAWL.announce
/usr/share/doc/lvnx/docs/FM.announce
/usr/share/doc/lynx/docs/IBMPC-charsets.announce
/usr/share/doc/lynx/docs/README.TRST
/usr/share/doc/lynx/docs/README.chartrans
/usr/share/doc/lynx/docs/README.cookies
/usr/share/doc/lynx/docs/README.defines
/usr/share/doc/lvnx/docs/README.metrics
```

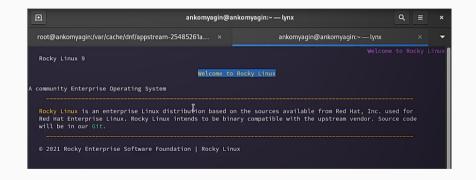
файлы документации пакета

```
usr/share/man/man1/lynx.1.gz
root@ankomvagin packages]# rpm -qd lvnx
usr/share/doc/lvnx/INSTALLATION
/usr/share/doc/lvnx/README
/usr/share/doc/lynx/docs/CHANGES2.3
/usr/share/doc/lvnx/docs/CHANGES2.4
/usr/share/doc/lvnx/docs/CHANGES2.5
usr/share/doc/lynx/docs/CHANGES2.6
/usr/share/doc/lynx/docs/CHANGES2.7
usr/share/doc/lynx/docs/CHANGES2.8
usr/share/doc/lvnx/docs/CRAWL.announce
usr/share/doc/lynx/docs/FM.announce
/usr/share/doc/lvnx/docs/IBMPC-charsets.announce
/usr/share/doc/lynx/docs/README.TRST
usr/share/doc/lynx/docs/README.chartrans
usr/share/doc/lvnx/docs/README.cookies
/usr/share/doc/lynx/docs/README.defines
/usr/share/doc/lvnx/docs/README.metrics
/usr/share/doc/lynx/docs/README.ontions
usr/share/doc/lvnx/docs/README.release
/usr/share/doc/lynx/docs/README.rootcerts
/usr/share/doc/lvnx/docs/README.ssl
usr/share/doc/lyny/docs/README.sslcerts
usr/share/doc/lynx/docs/SOCKETSHR.announce
/usr/share/doc/lynx/docs/TCPWARE.announce
/usr/share/doc/lynx/docs/VMSWAIS.announce
/usr/share/doc/lynx/docs/djgpp.key
/usr/share/doc/lynx/docs/pdcurses.key
usr/share/doc/lynx/docs/slang.kev
usr/share/doc/lynx/docs/win-386.announce
/usr/share/doc/lynx/lynx.hlp
/usr/share/doc/lynx/lynx help/Lynx users guide.html
/usr/share/doc/lynx/lynx_help/about_lynx.html
usr/share/doc/lynx/lynx help/help files.txt
/usr/share/doc/lynx/lynx_help/keystrokes/alt_edit_help.html
usr/share/doc/lynx/lynx_help/keystrokes/bashlike_edit_help.html
/usr/share/doc/lynx/lynx_help/keystrokes/bookmark_help.html
/usr/share/doc/lynx/lynx_help/keystrokes/cookie_help.html
/usr/share/doc/lynx/lynx help/keystrokes/dired help.html
usr/share/doc/lyny/lyny heln/keystrokes/edit heln.html
usr/share/doc/lvnx/lvnx help/kevstrokes/environments.html
/usr/share/doc/lynx/lynx help/keystrokes/follow help.html
/usr/share/doc/lynx/lynx heln/keystrokes/gopher types heln.html
usr/share/doc/lynx/lynx help/keystrokes/history help.html
usr/share/doc/lynx/lynx help/keystrokes/keystroke help.html
/usr/share/doc/lynx/lynx help/keystrokes/movement help.html
usr/share/doc/lynx/lynx heln/keystrokes/ontion heln.html
```

конфигурация, скрипты

```
[root@ankomyagin packages]# rpm -qc lynx
/etc/lynx-site.cfg
/etc/lynx.cfg
/etc/lynx.lss
[root@ankomyagin packages]# rpm -q --scripts lynx
[root@ankomyagin packages]#
```

пробный запуск



rpm-пакетов установить dnsmasq

Предположим, что требуется из

установка dnsmasq

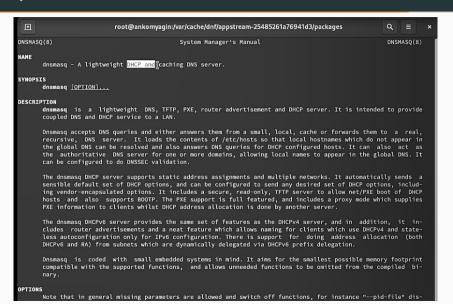
информация о dnsmasqu

```
[root@ankomyagin packages]# which dnsmasq
/usr/sbin/dnsmasq
[root@ankomyagin packages]# rpm -qf $(which dnsmasq)
dnsmasg-2.85-16.el9 4.x86 64
[root@ankomyagin packages]# rpm -qi dnsmasq
           : dnsmasq
Name
Version : 2 85
Release
          : 16.el9 4
Architecture: x86 64
Install Date: Sat 07 Sep 2024 07:07:44 PM MSK
Group
          : Unspecified
Size
          : 718654
License
          : GPLv2 or GPLv3
Signature : RSA/SHA256, Wed 24 Apr 2024 08:07:47 AM MSK, Key ID 702d426d350d275d
Source RPM : dnsmasq-2.85-16.el9 4.src.rpm
Build Date : Wed 24 Apr 2024 08:06:41 AM MSK
Build Host : pb-2b53df02-b46e-4235-9c27-8fc7c2aded81-b-x86-64
Packager
          : Rocky Linux Build System (Peridot) <releng@rockylinux.org>
Vendor
          : Rocky Enterprise Software Foundation
URL
            : http://www.thekellevs.org.uk/dnsmasg/
Summary
            : A lightweight DHCP/caching DNS server
Description :
Dosmasq is lightweight, easy to configure DNS forwarder and DHCP server.
It is designed to provide DNS and, optionally, DHCP, to a small network.
It can serve the names of local machines which are not in the global
DNS. The DHCP server integrates with the DNS server and allows machines
with DHCP-allocated addresses to appear in the DNS with names configured
either in each host or in a central configuration file. Dnsmasg supports
static and dynamic DHCP leases and BOOTP for network booting of diskless
machines.
```

список файлов в пакете

```
[root@ankomyagin packages]# rpm -ql dnsmasq
/etc/dbus-1/system.d/dnsmasg.conf
/etc/dnsmasg.conf
/etc/dnsmasq.d
/usr/lib/.build-id
/usr/lib/.build-id/f0
/usr/lib/.build-id/f0/9a26532944eaa77f523aeea8b091bbb7c5ae67
/usr/lib/systemd/system/dnsmasg.service
/usr/lib/sysusers.d/dnsmasg.conf
/usr/sbin/dnsmasq
/usr/share/dnsmasq
/usr/share/dnsmasq/trust-anchors.conf
/usr/share/doc/dnsmasq
/usr/share/doc/dnsmasg/CHANGELOG
/usr/share/doc/dnsmasg/DBus-interface
/usr/share/doc/dnsmasg/FAO
/usr/share/doc/dnsmasq/doc.html
/usr/share/doc/dnsmasg/setup.html
/usr/share/licenses/dnsmasg
/usr/share/licenses/dnsmasg/COPYING
/usr/share/licenses/dnsmasg/COPYING-v3
/usr/share/man/man8/dnsmasg.8.gz
/var/lib/dnsmasq
[root@ankomyagin packages]# rpm -qd dnsmasq
/usr/share/doc/dnsmasg/CHANGELOG
/usr/share/doc/dnsmasg/DBus-interface
/usr/share/doc/dnsmasg/FAO
/usr/share/doc/dnsmasq/doc.html
/usr/share/doc/dnsmasg/setup.html
/usr/share/man/man8/dnsmasg.8.gz
[root@ankomyagin packages]#
```

документация пакета



конфигурационные файлы, скрипт

```
[root@ankomvagin packages]# rpm -qc dnsmasq
/etc/dbus-1/system.d/dnsmasg.conf
/etc/dnsmasg.conf
[root@ankomyagin packages]# rpm -q --scripts dnsmasq
preinstall scriptlet (using /bin/sh):
#precreate users so that rpm can install files owned by that user
 generated from dnsmasg-systemd-sysusers.conf
getent group 'dnsmasg' >/dev/null || groupadd -r 'dnsmasg' || :
getent passwd 'dnsmasg' >/dev/null || \
   useradd -r -g 'dnsmasq' -d '/var/lib/dnsmasq' -s '/usr/sbin/nologin' -c 'Dnsmasq DHCP and DNS server' 'dnsmasq' |
postinstall scriptlet (using /bin/sh):
if [ $1 -eq 1 ] && [ -x "/usr/lib/systemd/systemd-update-helper" ]: then
   # Initial installation
   /usr/lib/systemd/systemd-update-helper install-system-units dnsmasg.service | | :
preuninstall scriptlet (using /bin/sh):
if [ $1 -eg 0 ] && [ -x "/usr/lib/systemd/systemd-update-helper" ]: then
   # Package removal, not upgrade
   /usr/lib/systemd/systemd-update-helper remove-system-units dnsmasg.service | | :
postuninstall scriptlet (using /bin/sh):
if [ $1 -ge 1 ] && [ -x "/usr/lib/systemd/systemd-update-helper" ]; then
   # Package upgrade, not uninstall
   /usr/lib/systemd/systemd-update-helper mark-restart-system-units dnsmasg.service | | :
[root@ankomyagin packages]#
```

Контрольные вопросы

1. Какая команда позволяет вам искать пакет rpm, содержащий файл useradd?

rpm -qf \$(which useradd)

2. Какие команды вам нужно использовать, чтобы показать имя группы dnf, которая содержит инструменты безопасности и показывает, что находится в этой группе?

dnf group list dnf group info "Имя группы"

3. Какая команда позволяет вам установить rpm, который вы загрузили из Интернета и который не находится в репозиториях?

rpm -ivh имя_пакета.rpm

4. Вы хотите убедиться, что пакет rpm, который вы загрузили, не содержит никакого опасного кода сценария. Какая команда позволяет это сделать?

грт -К имя_пакета.грт

5. Какая команда показывает всю документацию в rpm?

rpm -qd имя_пакета

6. Какая команда показывает, какому пакету rpm принадлежит файл?

rpm -qf /путь/к/файлу

Вывод

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В ходе выполнения лабораторной работы я получил навыки работы с репозиториями и менеджерами пакетов.