

Презентация

Лабораторная работа №6

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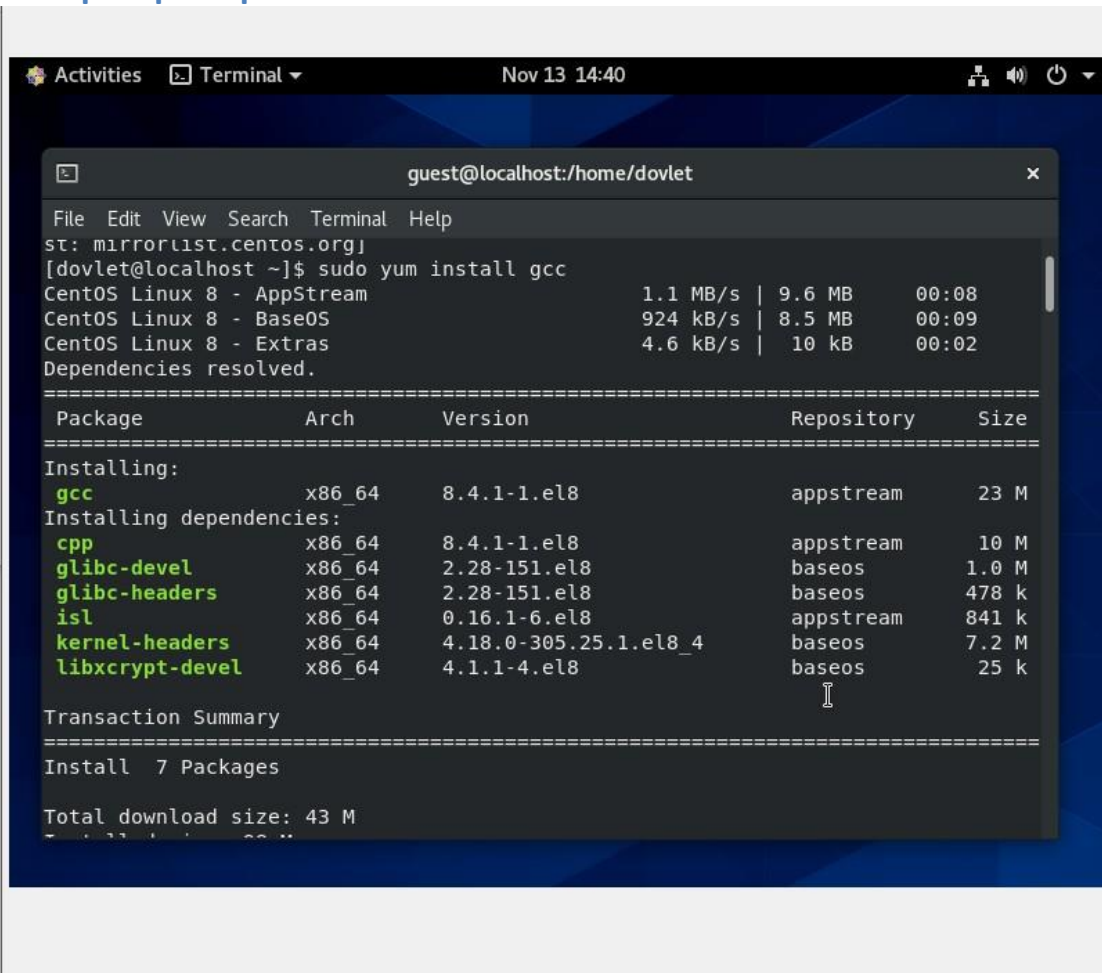
Цели и задачи работы

Цель лабораторной работы

Развить навыки администрирования ОС Linux. Получить первое практическое знакомство с технологией SELinux1 . Проверить работу SELinx на практике совместно с веб-сервером Apache.

Процесс выполнения лабораторной работы

Лабораторная работа 6



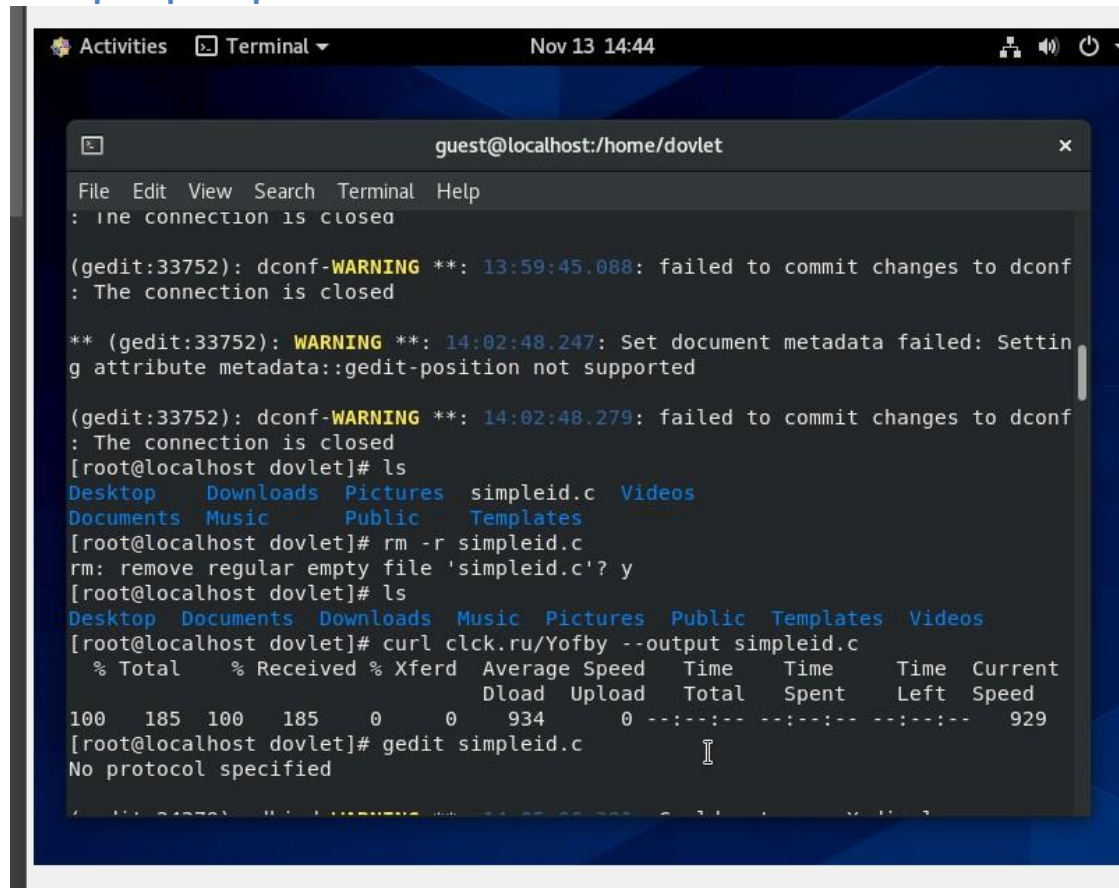
The screenshot shows a terminal window titled "guest@localhost:/home/dovlet" with a menu bar (File, Edit, View, Search, Terminal, Help). The user has executed the command `sudo yum install gcc`. The terminal output shows the progress of the installation, including the download of packages from various repositories (AppStream, BaseOS, Extras) and a detailed list of installed packages and their dependencies.

```
st: mirrorlist.centos.org]
[dovlet@localhost ~]$ sudo yum install gcc
CentOS Linux 8 - AppStream          1.1 MB/s | 9.6 MB      00:08
CentOS Linux 8 - BaseOS            924 kB/s | 8.5 MB      00:09
CentOS Linux 8 - Extras            4.6 kB/s | 10 kB       00:02
Dependencies resolved.
=====
Package                Arch      Version              Repository           Size
=====
Installing:
gcc                    x86_64    8.4.1-1.el8          appstream            23 M
Installing dependencies:
cpp                    x86_64    8.4.1-1.el8          appstream            10 M
glibc-devel           x86_64    2.28-151.el8         baseos               1.0 M
glibc-headers         x86_64    2.28-151.el8         baseos              478 k
isl                    x86_64    0.16.1-6.el8         appstream            841 k
kernel-headers        x86_64    4.18.0-305.25.1.el8_4 baseos              7.2 M
libxcrypt-devel       x86_64    4.1.1-4.el8          baseos              25 k
=====
Transaction Summary
=====
Install 7 Packages

Total download size: 43 M
```

Создание пользователя *guest*

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```
Nov 13 14:44

guest@localhost:/home/dovlet

File Edit View Search Terminal Help
: ine connection is closed

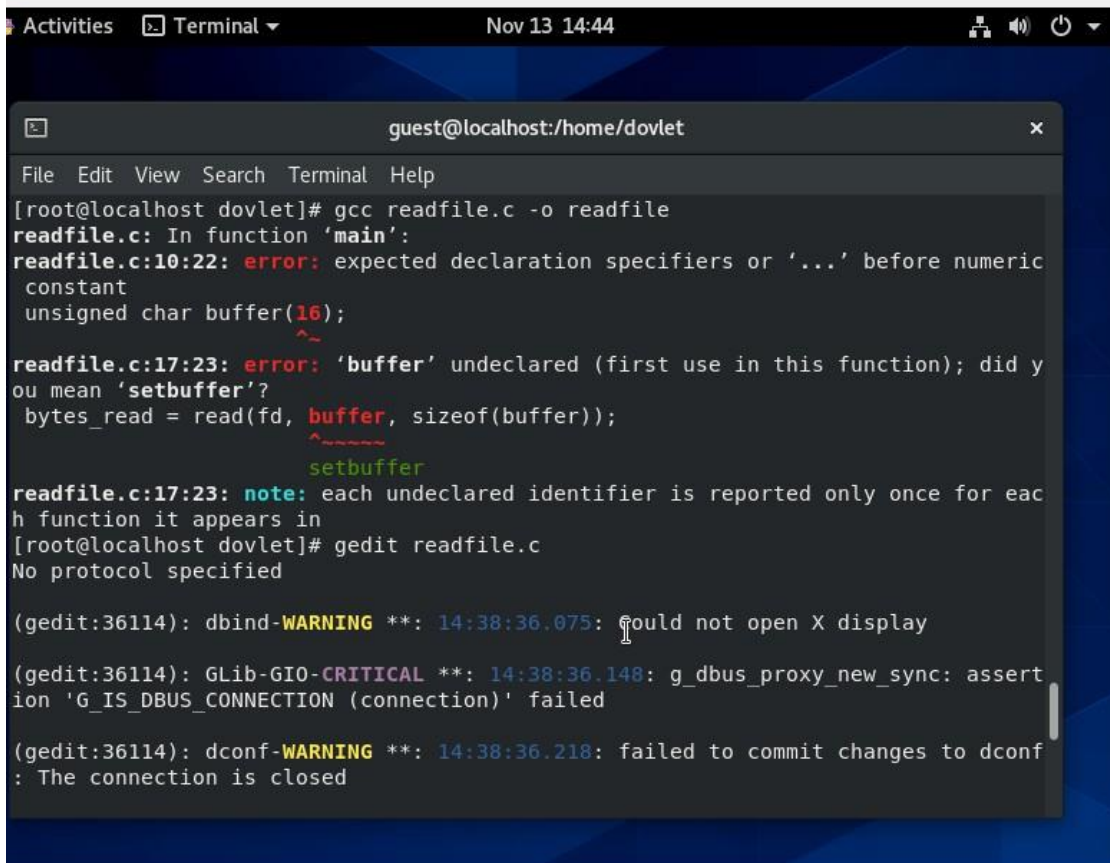
(gedit:33752): dconf-WARNING **: 13:59:45.088: failed to commit changes to dconf
: The connection is closed

** (gedit:33752): WARNING **: 14:02:48.247: Set document metadata failed: Setting
attribute metadata::gedit-position not supported

(gedit:33752): dconf-WARNING **: 14:02:48.279: failed to commit changes to dconf
: The connection is closed
[root@localhost dovlet]# ls
Desktop  Downloads  Pictures  simpleid.c  Videos
Documents Music      Public    Templates
[root@localhost dovlet]# rm -r simpleid.c
rm: remove regular empty file 'simpleid.c'? y
[root@localhost dovlet]# ls
Desktop  Documents  Downloads  Music  Pictures  Public  Templates  Videos
[root@localhost dovlet]# curl clck.ru/Yofby --output simpleid.c
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left   Speed
100  185  100  185    0     0   934      0 --:--:-- --:--:-- --:--:--   929
[root@localhost dovlet]# gedit simpleid.c
No protocol specified
```

Переход на пользователя guest

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The screenshot shows a terminal window titled "guest@localhost:/home/dovlet" with a menu bar (File, Edit, View, Search, Terminal, Help). The terminal output shows the compilation of readfile.c using gcc. Two errors are reported: an expected declaration specifier error for 'buffer' and an undeclared identifier error for 'buffer'. A note indicates that undeclared identifiers are reported only once per function. The user then opens the file in gedit, which results in several system warnings and a critical error related to the GDBus connection.

```
guest@localhost:/home/dovlet
File Edit View Search Terminal Help
[root@localhost dovlet]# gcc readfile.c -o readfile
readfile.c: In function 'main':
readfile.c:10:22: error: expected declaration specifiers or '...' before numeric
constant
unsigned char buffer(16);
                    ^
readfile.c:17:23: error: 'buffer' undeclared (first use in this function); did y
ou mean 'setbuffer'?
bytes_read = read(fd, buffer, sizeof(buffer));
                    ^
                    setbuffer
readfile.c:17:23: note: each undeclared identifier is reported only once for eac
h function it appears in
[root@localhost dovlet]# gedit readfile.c
No protocol specified

(gedit:36114): dbind-WARNING **: 14:38:36.075: Could not open X display
(gedit:36114): GLib-GIO-CRITICAL **: 14:38:36.148: g_dbus_proxy_new_sync: assert
ion 'G_IS_DBUS_CONNECTION (connection)' failed
(gedit:36114): dconf-WARNING **: 14:38:36.218: failed to commit changes to dconf
: The connection is closed
```

Команды: *pwd*, *whoami*, *id*, *groups*

Проверили работу SELinux на практике совместно с веб-сервером Apache