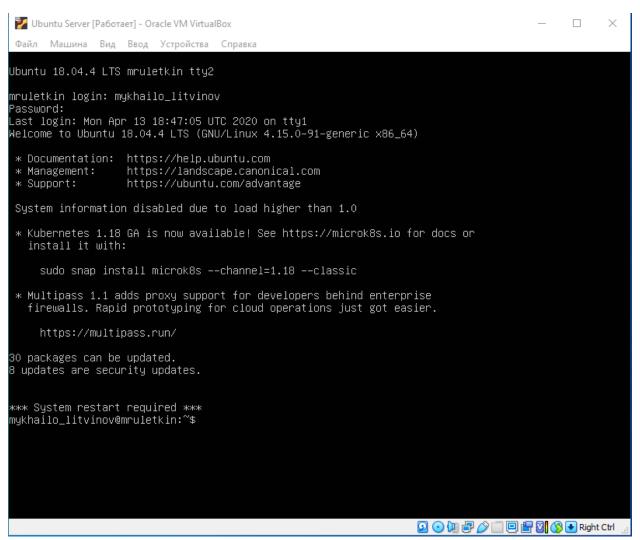
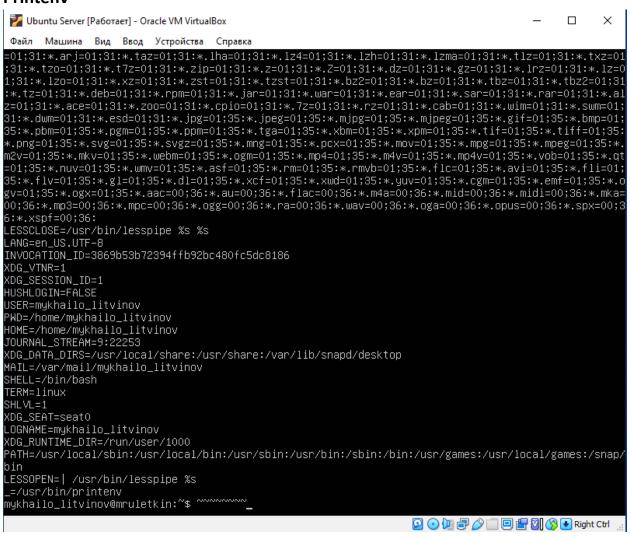
EPAM University Programs DevOps external course Module 4 DevOps Introduction TASK 4.2

- 1. Set up Linux Virtual Machine in VirtualBox.
- 2. Familiarize yourself with the commands and utilities listed in the presentation (switching between virtual terminals (consoles); printenv; content of /etc/profile and ~/.bash_profile, \$echo \$HISTFILE \$HISTSIZE \$HISTFILESIZE, who, w, whoami, id).
 - Switching between virtual terminals



Printeny



• content of /etc/profile

```
🗾 Ubuntu Server [Работает] - Oracle VM VirtualBox
                                                                                                               \times
 Файл Машина Вид Ввод Устройства Справка
mykhailo_litvinov@mruletkin:~$ /etc/profile
-bash: /etc/profile: Permission denied
mykhailo_litvinov@mruletkin:~$ su –
Password:
root@mruletkin:~# /etc/profile
-su: /etc/profile: Permission denied
root@mruletkin:~# ~/.bash_profile
-su: /root/.bash_profile: No such file or directory
root@mruletkin:~# cat /etc/profile
# /etc/profile: system-wide .profile file for the Bourne shell (sh(1))
# and Bourne compatible shells (bash(1), ksh(1), ash(1), ...).
if [ "${PS1–}" ]; then
if [ "${BASH–}" ] && [ "$BASH" != "/bin/sh" ]; then
    # The file bash.bashrc already sets the default PS1.
    # PS1='\h:\w\$
    if [ -f /etc/bash.bashrc ]; then
       . /etc/bash.bashrc
  else
    if [ "`id -u`" -eq 0 ]; then
PS1='# "
    else
      PS1='$ '
    fi
  fi
fi
if [ –d /etc/profile.d ]; then
  for i in /etc/profile.d/*.sh; do
  if [ -r $i ]; then
    fi $i
  done
  unset i
root@mruletkin:~#
```

• \$echo \$HISTFILE \$HISTSIZE \$HISTFILESIZE

root@mruletkin:~# echo \$HISTFILE \$HISTSIZE \$HISTFILESIZE /root/.bash_history 1000 2000 root@mruletkin:~# • who, w, whoami, id

```
root@mruletkin:~# who
mykhailo_litvinov tty1
                              2020-04-13 18:47
mykhailo_litvinov tty2
                              2020-04-13 18:52
root@mruletkin:~# uname
Linux
root@mruletkin:~# whoami
root@mruletkin:~# w
19:43:03 up 56 min, 2 users, load average: 0.11, 0.18, 0.25
                 FROM
                                           IDLE JCPU PCPU WHAT
        TTY
                                  LOGIN@
mykhailo tty1
                                  18:47
                                           7.00s 0.21s 0.11s -bash
mykhailo tty2
                                  18:52
                                           6:22
                                                  0.10s 0.08s -bash
root@mruletkin:~# id
uid=O(root) gid=O(root) groups=O(root),997(microk8s)
root@mruletkin:~#
```

3. Familiarize yourself with the commands (*uname, hostname, uptime, shutdown, halt, reboot, init...*).

```
root@mruletkin:~# uname —a #
Linux mruletkin 4.15.0–91–generic #92–Ubuntu SMP Fri Feb 28 11:09:48 UTC 2020 x86_64 x86_64 x
NU/Linux
root@mruletkin:~# hostname #
mruletkin
root@mruletkin:~# uptime #
19:47:53 up 1:01, 2 users, load average: 0.19, 0.23, 0.26
root@mruletkin:~# shutdown —r 23:30 #
Shutdown scheduled for Mon 2020–04–13 23:30:00 UTC, use 'shutdown —c' to cancel.
root@mruletkin:~# shutdown —c
root@mruletkin:~# shutdown —c
```

4. Familiarize yourself with the help commands (*man, info, find, locate, whereis, less | zless in /usr/share/doc*).

man

```
mykhailo_litvinov@mruletkin:~$ man ls
LS(1) User Commands LS(1)

NAME
ls - list directory contents

SYNOPSIS
ls [OPTION]... [FILE]...

DESCRIPTION
List information about the FILEs (the current directory by default). Sort entries alphabetically if none of -cftuvSUX nor --sort is specified.

Mandatory arguments to long options are mandatory for short options too.

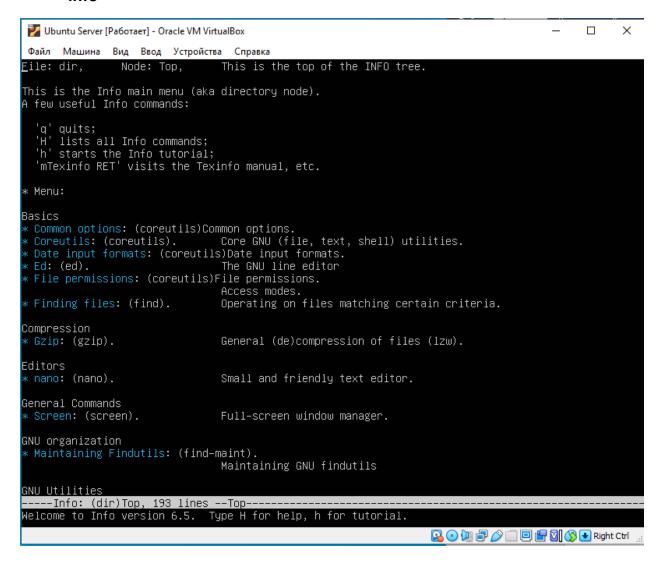
-a, --all
do not ignore entries starting with .

-A, --almost-all
do not list implied . and ..
```

locate

```
mykhailo_litvinov@mruletkin:~$ locate query
/usr/bin/dpkg-query
/usr/lib/python3/dist-packages/cloudinit/cmd/query.py
/usr/lib/python3/dist-packages/cloudinit/cmd/__pycache__/query.cpython-36.pyc
/usr/lib/x86_64-linux-gnu/glib-2.0/gio-querymodules
/usr/share/bash-completion/completions/dpkg-query
/usr/share/bash-completion/completions/querybts
/usr/share/man/de/man1/dpkg-query.1.gz
/usr/share/man/fr/man1/dpkg-query.1.gz
/usr/share/man/it/man1/dpkg-query.1.gz
/usr/share/man/man1/dpkg-query.1.gz
/usr/share/man/nl/man1/dpkg-query.1.gz
/usr/share/man/sv/man1/dpkg-query.1.gz
/usr/share/man/sv/man1/dpkg-query.1.gz
/usr/share/man/sv/man1/dpkg-query.1.gz
/usr/share/man/sv/man1/dpkg-query.1.gz
/usr/share/vim/vim80/syntax/xquery.vim
mykhailo_litvinov@mruletkin:~$ _
```

info



find

root@mruletkin:~# find /usr/share/doc –type f

```
/usr/share/doc/libtext-iconv-perl/changelog.Debian.gz
/usr/share/doc/libexpat1/copyright
/usr/share/doc/libexpat1/changelog.Debian.gz
/usr/share/doc/libexpat1/AUTHORS
/usr/share/doc/lbexpati/Ho Hons
/usr/share/doc/base-files/README.FHS
/usr/share/doc/base-files/copyright
/usr/share/doc/base-files/README
/usr/share/doc/base-files/README.gz
/usr/share/doc/pciutils/README.gz
/usr/share/doc/pciutils/TODO.Debian
/usr/share/doc/pciutils/copyright
/usr/share/doc/pciutils/examples/example.c
/usr/share/doc/iproute2/copyright
/usr/share/doc/iproute2/changelog.Debian.gz
/usr/share/doc/iproute2/README.Debian
/usr/share/doc/libisns0/copyright
/usr/share/doc/libisnsO/changelog.Debian.gz
/usr/share/doc/python3/python-policy.txt.gz
/usr/share/doc/python3/python–policy.dbk.gz
/usr/share/doc/python3/copyright
/usr/share/doc/python3/python–policy.html/upgrade.html
/usr/share/doc/python3/python–policy.html/python3.html
/usr/share/doc/python3/python–policy.html/build_dependencies.html
/usr/share/doc/python3/python-policy.html/index.html
/usr/share/doc/python3/python-policy.html/python.html
/usr/share/doc/python3/python-policy.html/embed.html
/usr/share/doc/python3/python-policy.html/other.html
/usr/share/doc/python3/python=policy.html/module_packages.html
/usr/share/doc/python3/python-policy.html/programs.html
/usr/share/doc/python3/python-policy.html/packaging_tools.html
/usr/share/doc/libmn10/copyright
/usr/share/doc/libmnlO/changelog.Debian.gz
/usr/share/doc/linux-modules-extra-4.15.0–91–generic/copyright
/usr/share/doc/linux-modules-extra-4.15.0-91-generic/changelog.Debian.gz
/usr/share/doc/libcap–ngO/copyright
/usr/share/doc/libcap–ngO/changelog.Debian.gz
root@mruletkin:~#
```

whereis

```
root@mruletkin:~# whereis bash
bash: /bin/bash /etc/bash.bashrc /usr/share/man/man1/bash.1.gz
root@mruletkin:~#
```