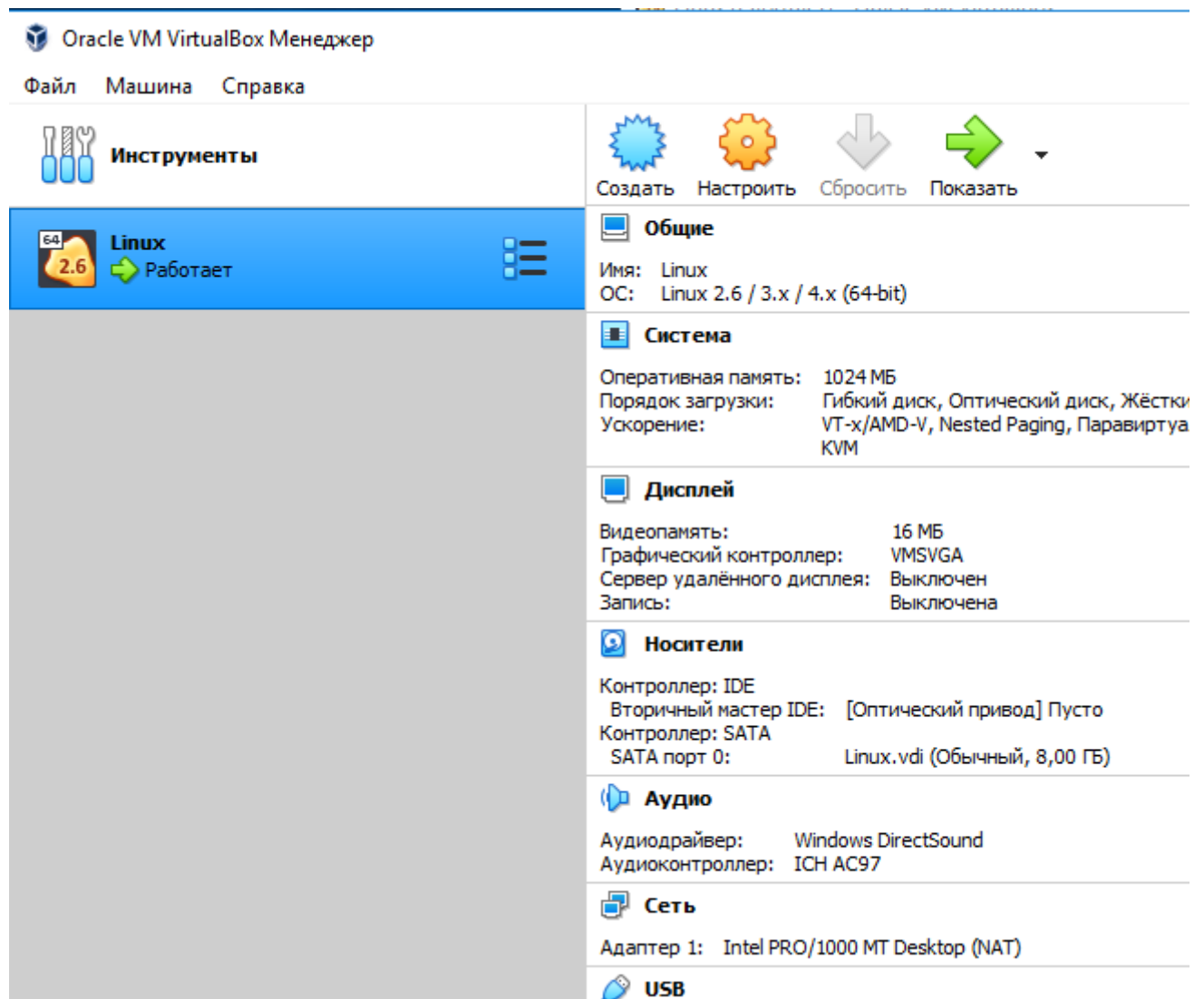EPAM University Programs

DevOps external course

Module 4 DevOps Introduction

TASK 4.2
ANTON FOFANOV

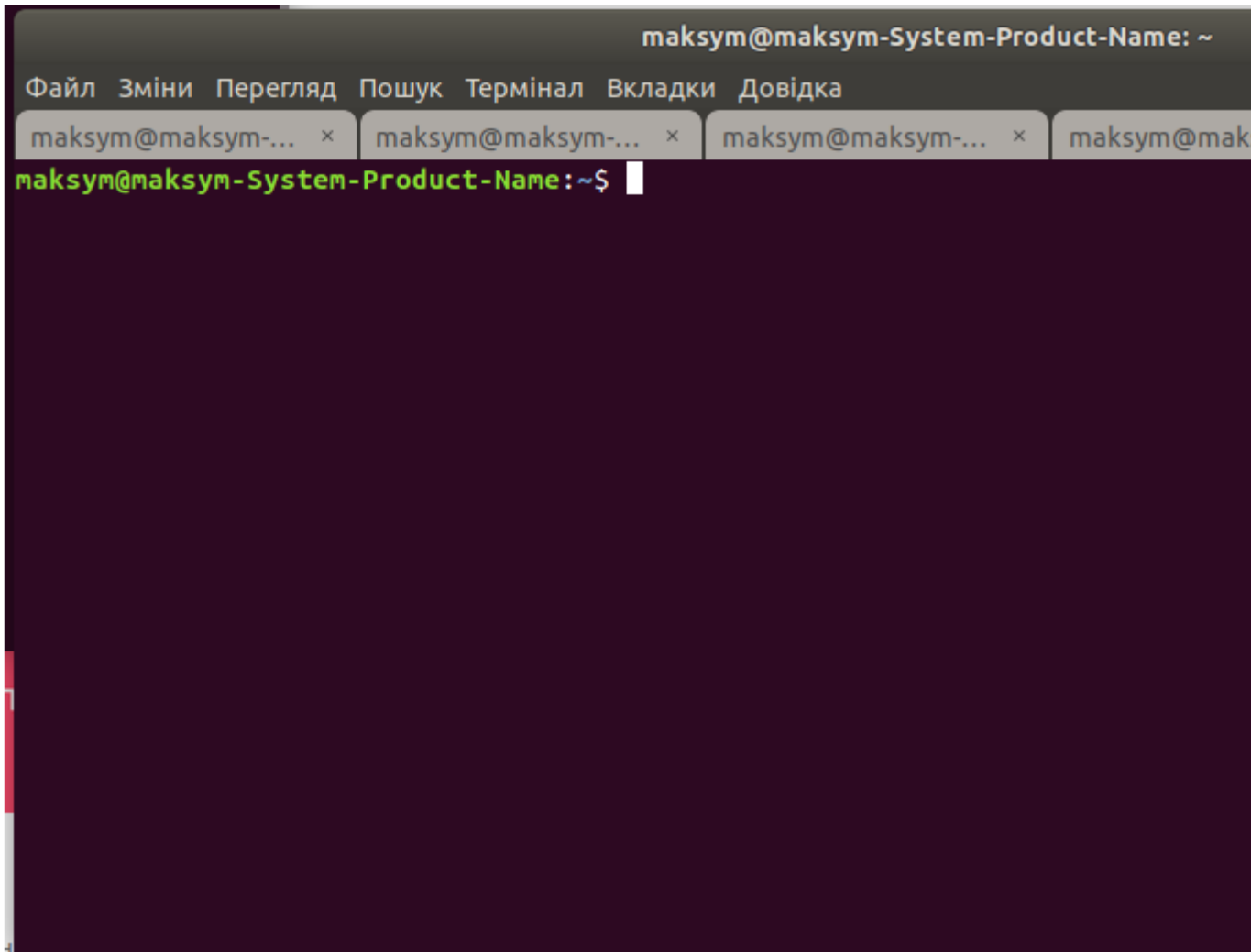1. Set up Linux Virtual Machine in VirtualBox.

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). Make 5 screenshots.

2.1 switch between virtual terminals tabs

2.1 Printenv HOME

2.2 User custom ENV

2.3

```
[root@a24-dockersrv percona_data]# history -w
[root@a24-dockersrv percona_data]# wc -l $HISTFILE
1000 /root/.bash_history
[root@a24-dockersrv percona_data]# bash -c 'export HISTFILE=~/.bash_history'
[root@a24-dockersrv percona_data]# wc -l $HISTFILE
1000 /root/.bash_history
[root@a24-dockersrv percona_data]# bash -c 'export HISTFILE=~/.bash_history;history -w'
[root@a24-dockersrv percona_data]# wc -l $HISTFILE
0 /root/.bash_history
[root@a24-dockersrv percona_data]#
```

2.4

```
export HISTFILESIZE=10000
export HISTSIZE=10000
```

2.5 . who, w, whoami, id

```
[root@a24-dockersrv percona_data]# who
afofanov pts/0        2020-04-07 18:47 (dp-apteka24-49.office.badm.com)
afofanov pts/1        2020-04-07 14:16 (dp-apteka24-49.office.badm.com)
[root@a24-dockersrv percona_data]# w
 18:14:51 up 77 days,  2:09,  2 users,  load average: 0.22, 0.17, 0.15
USER     TTY        FROM             LOGIN@   IDLE   JCPU   PCPU WHAT
afofanov pts/0     dp-apteka24-49.o 07Apr20 34:51   1.07s  1.32s sshd: afofanov [priv]
afofanov pts/1     dp-apteka24-49.o 07Apr20 3.00s  16:17   1.50s sshd: afofanov [priv]
[root@a24-dockersrv percona_data]# whoami
root
[root@a24-dockersrv percona_data]# id
uid=0(root) gid=0(root) groups=0(root),990(lxd),994(docker)
[root@a24-dockersrv percona_data]#
```

3. Familiarize yourself with the commands (uname, hostname, uptime,

shutdown, halt, reboot, init...). Make 5 screenshots.

3.1 uname

```
[root@a24-dockersrv percona_data]# uname
Linux
```

3.2 hostname

```
[root@a24-dockersrv percona_data]# hostname
a24-dockersrv.office.badm.com
```

3.3 uptime

```
[root@a24-dockersrv percona_data]# uptime
 18:17:49 up 77 days,  2:12,  2 users,  load average: 0.44, 0.20, 0.16
```

3.4 halt

```
[root@a24-dockersrv afofanov]# halt --reboot
```

3.5. reboot

```
[root@a24-dockersrv afofanov]# reboot now
```

4. Familiarize yourself with the help commands (man, info, find, locate, whereis, less|zless in /usr/share/doc). Make 5 screenshots.

4.1 man GREP

```
GREP(1)

NAME
       grep, egrep, fgrep - print lines matching a pattern

SYNOPSIS
       grep [OPTIONS] PATTERN [FILE...]
       grep [OPTIONS] [-e PATTERN | -f FILE] [FILE...]
```

4.2 info MAN

```
File: *manpages*,  Node: man,  Up: (dir)

MAN(1)                          Manual pager utils                          MAN(1)



NAME
       man - an interface to the on-line reference manuals
```

4.3 find
list the files in the `/ usr / local 'directory that are larger than 10,000 kilobytes

```
[root@a24-dockersrv afofanov]# find /usr/local -size +10000k
/usr/local/bin/docker-compose
/usr/local/bin/prometheus
/usr/local/bin/promtool
```

4.4 locate all yml files

```
[root@a24-dockersrv percona_data]# sudo updatedb
[root@a24-dockersrv percona_data]# locate *.yml
/home/bitrix/docker-compose.yml
/home/bitrix/a24/new_a24/docker-compose.yml
/home/bitrix/usr/docker-compose.yml
/home/docker/percona_data/docker-compose.yml
[root@a24-dockersrv percona_data]#
```

4.5 whereis docker

```
[root@a24-dockersrv percona_data]# whereis docker
docker: /usr/bin/docker /etc/docker /usr/libexec/docker /usr/share/man/man1/docker.1.
[root@a24-dockersrv percona_data]#
```

4.6 less usr/share/doc

```
total 1552
drwxr-xr-x. 380 root root 20480 Apr 15 18:37 ./
drwxr-xr-x.  99 root root  4096 Apr  7 18:14 ../
drwxr-xr-x.   2 root root  4096 Dec 19 15:22 acl-2.2.51/
drwxr-xr-x.   2 root root  4096 Dec 19 15:22 aic94xx-firmware-30/
drwxr-xr-x.   2 root root  4096 Dec 19 15:22 alsa-firmware-1.0.28/
drwxr-xr-x.   2 root root  4096 Apr  7 18:08 alsa-lib/
drwxr-xr-x    2 root root  4096 Apr  7 18:08 alsa-lib-1.1.8/
```