

ДЗ к уроку 2

The screenshot displays the Oracle VM VirtualBox Manager window. At the top, the title bar reads "Oracle VM VirtualBox Менеджер". Below it, a menu bar contains "Файл", "Машина", and "Справка". The main interface is divided into several sections:

- Инструменты (Tools):** Located at the top left, it includes icons for "Создать" (Create), "Настроить" (Settings), "Сбросить" (Reset), and "Показать" (Show).
- Virtual Machine List:** A list of three virtual machines is shown on the left:
 - server1:** Status "Работает" (Running).
 - server2:** Status "Работает" (Running).
 - server3:** Status "Работает" (Running), highlighted in blue.
- Configuration Details (server3):** The right pane shows the settings for the selected VM, "server3". The settings are organized into categories:
 - Общие (General):** Name "server3", OS "Debian (64-bit)".
 - Система (System):** RAM "5000 МБ", Processors "6", Boot order "Гибкий диск, Оптический диск, Жёсткий диск", EFI "Включено", Acceleration "VT-x/AMD-V, Nested Paging, PAE/NX, Паравиртуализация KVM".
 - Дисплей (Display):** Video memory "16 МБ", Graphics controller "VMSVGA", Server remote display "Выключен", Capture "Выключена".
 - Носители (Storage):** Controller "IDE", Secondary master IDE "[Оптический привод] Пусто", Controller "SATA", SATA port 0 "server3.vdi (Обычный, 8,00 ГБ)".
 - Аудио (Audio):** Status "Выключено".
 - Сеть (Network):** Adapter 1 "Intel PRO/1000 MT Desktop (Сетевой мост, 'Realtek PCIe GbE Family Controller')", Adapter 2 "Intel PRO/1000 MT Desktop (Внутренняя сеть, '23-0')".
- Пreview (Preview):** A small window on the right shows a terminal window with a black background and green text, likely a shell or command prompt.

Multi-execution mode: commands are typed to all terminals (use Ctrl+Shift+insert to paste)

```

root@server1:~# ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP group default qlen 1000
    link/ether 08:00:27:50:25:ac brd ff:ff:ff:ff:ff:ff
    inet 10.0.0.1/24 brd 10.0.0.1/24 scope global dynamic enp0s3
        valid_lft 42759sec preferred_lft 42759sec
    inet6 fe80::a00:27ff:fe50:25ac/64 scope link
        valid_lft forever preferred_lft forever
3: enp0s8: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP group default qlen 1000
    link/ether 08:00:27:50:25:ad brd ff:ff:ff:ff:ff:ff
    inet 10.0.0.2/24 brd 10.0.0.2/24 scope global enp0s8
        valid_lft forever preferred_lft forever
    inet6 fe80::a00:27ff:fe50:25ad/64 scope link
        valid_lft forever preferred_lft forever
4: enp0s9: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc noqueue state DOWN group default qlen 1000
    link/ether 08:00:27:50:25:ae brd ff:ff:ff:ff:ff:ff
    inet6 fe80::a00:27ff:fe50:25ae/64 scope link
        valid_lft forever preferred_lft forever
root@server1:~#

[ ] Disable this terminal from "MultiExec" mode

root@server3:~# ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP group default qlen 1000
    link/ether 08:00:27:50:25:5e brd ff:ff:ff:ff:ff:ff
    inet 10.0.0.1/24 brd 10.0.0.1/24 scope global dynamic enp0s3
        valid_lft 42725sec preferred_lft 42725sec
    inet6 fe80::a00:27ff:fe50:255e/64 scope link
        valid_lft forever preferred_lft forever
3: enp0s8: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP group default qlen 1000
    link/ether 08:00:27:50:25:5f brd ff:ff:ff:ff:ff:ff
    inet 10.0.0.2/24 brd 10.0.0.2/24 scope global enp0s8
        valid_lft forever preferred_lft forever
    inet6 fe80::a00:27ff:fe50:255f/64 scope link
        valid_lft forever preferred_lft forever
4: dummy0: <BROADCAST,NOARP,UP,LOWER_UP> mtu 1500 qdisc noqueue state UNKNOWN group default qlen 1000
    link/ether ba:aa:aa:aa:aa:aa:10 brd ff:ff:ff:ff:ff:ff
    inet 3.3.3.3/32 brd 3.3.3.3 scope global dummy0
        valid_lft forever preferred_lft forever
    inet6 fe80::bbaa:1a:ff:feaa:4810/64 scope link
        valid_lft forever preferred_lft forever
root@server3:~#

[ ] Disable this terminal from "MultiExec" mode

```

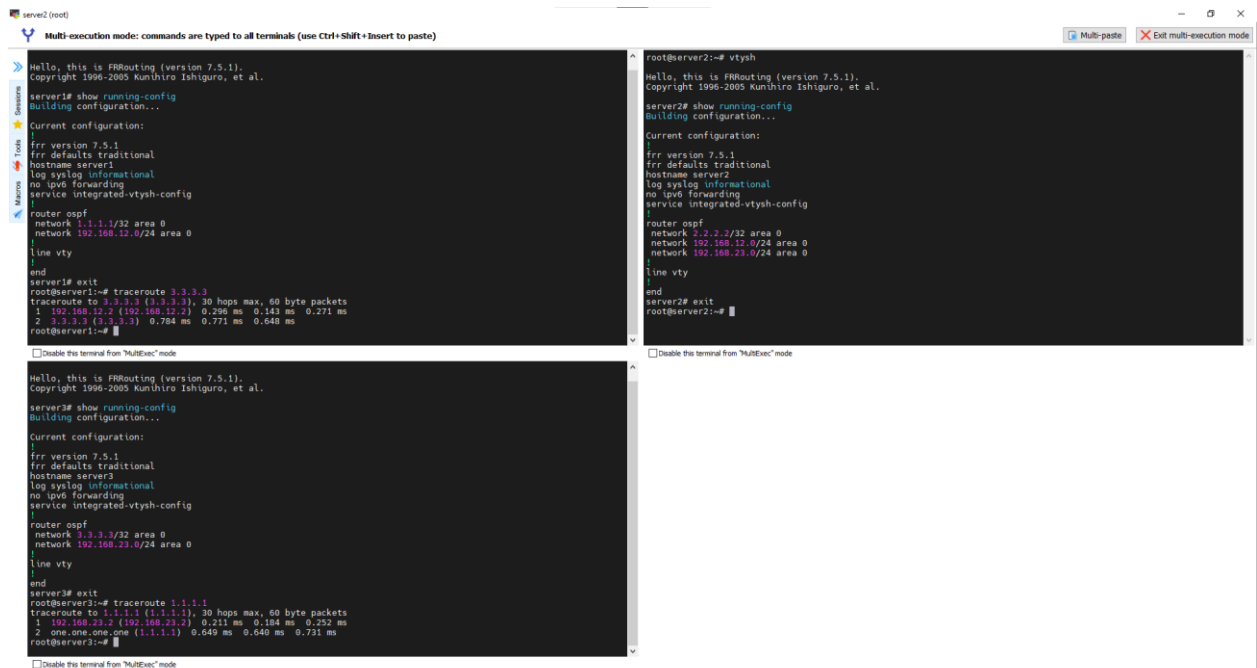
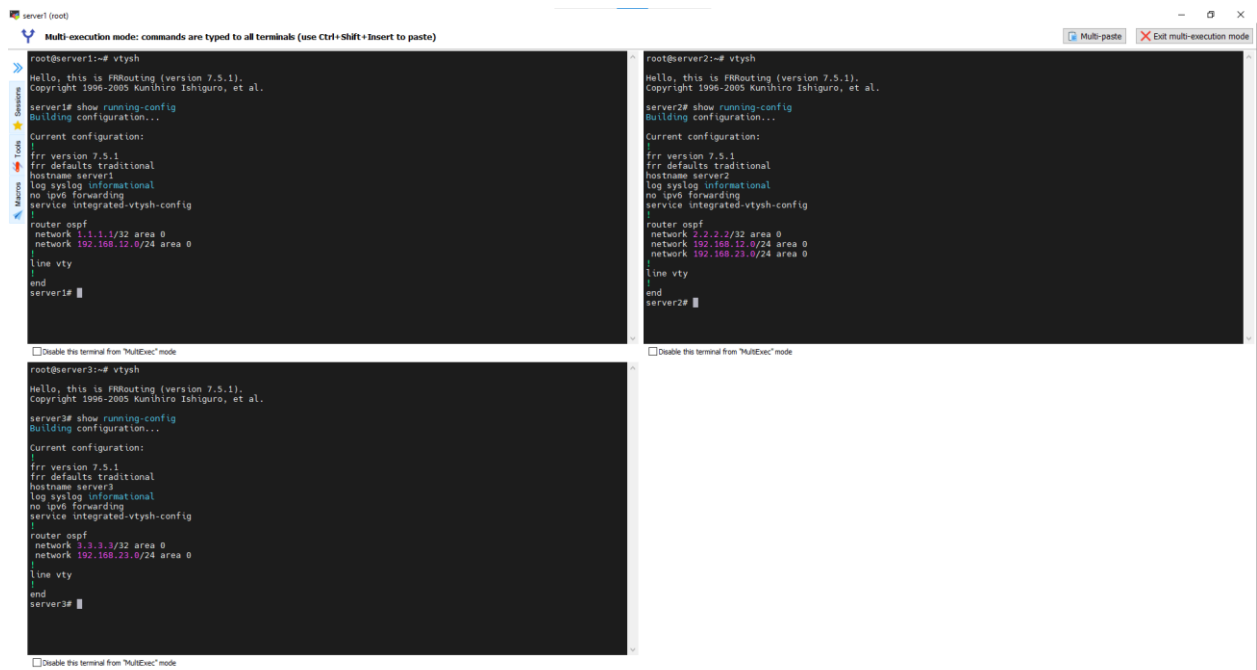
```

utensils:1/128 scope host
    valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP group default qlen 1000
    link/ether 08:00:27:50:79:89 brd ff:ff:ff:ff:ff:ff
    inet 10.0.0.1/24 brd 10.0.0.1/24 scope global dynamic enp0s3
        valid_lft 38120sec preferred_lft 38120sec
    inet6 fe80::a00:27ff:fe50:7989/64 scope link
        valid_lft forever preferred_lft forever
3: enp0s8: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP group default qlen 1000
    link/ether 08:00:27:50:79:8a brd ff:ff:ff:ff:ff:ff
    inet 10.0.0.2/24 brd 10.0.0.2/24 scope global enp0s8
        valid_lft forever preferred_lft forever
    inet6 fe80::a00:27ff:fe50:798a/64 scope link
        valid_lft forever preferred_lft forever
4: enp0s9: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc noqueue state DOWN group default qlen 1000
    link/ether 08:00:27:50:79:8b brd ff:ff:ff:ff:ff:ff
    inet 10.0.0.3/24 brd 10.0.0.3/24 scope global enp0s9
        valid_lft forever preferred_lft forever
    inet6 fe80::a00:27ff:fe50:798b/64 scope link
        valid_lft forever preferred_lft forever
5: enp0s10: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP group default qlen 1000
    link/ether 08:00:27:50:79:8c brd ff:ff:ff:ff:ff:ff
    inet 10.0.0.4/24 brd 10.0.0.4/24 scope global enp0s10
        valid_lft forever preferred_lft forever
    inet6 fe80::a00:27ff:fe50:798c/64 scope link
        valid_lft forever preferred_lft forever
6: dummy0: <BROADCAST,NOARP,UP,LOWER_UP> mtu 1500 qdisc noqueue state UNKNOWN group default qlen 1000
    link/ether ba:aa:aa:aa:aa:aa:10 brd ff:ff:ff:ff:ff:ff
    inet 2.2.2.2/32 brd 2.2.2.2 scope global dummy0
        valid_lft forever preferred_lft forever
    inet6 fe80::bbaa:1a:ff:feaa:4810/64 scope link
        valid_lft forever preferred_lft forever
root@server2:~#

[ ] Disable this terminal from "MultiExec" mode

```

UNREGISTERED VERSION - Please support NetBatem by upgrading to the professional edition here: <https://netbatem.muhimbi.net>



```
server1 (root)
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MUXExec Tunneling Packages Settings Help
Quick connect...
14 server1 (root) 10 server2 (root) 12 server3 (root)
> create pathconf statfs readlink readdir
0 0% 4 0% 0 0% 0 0% 0 0%
server_ops delegreturn getacl 0% 0 0% 0 0%
10 17% 0 0% 0 0% 0 0% 0 0%
rel_lkowner secinfo fsid_present exchange_id create_session
0 0% 0 0% 0 0% 0 0% 0 0%
destroy_session sequence get_lease_time reclaim_comp layoutget
0 0% 0 0% 0 0% 0 0% 0 0%
getdevinfo layoutcommit layoutreturn secinfo_no test_stateid
0 0% 0 0% 0 0% 0 0% 0 0%
free_stateid getdeviceid bind_comm_to ses destroy_clientid seek
0 0% 0 0% 0 0% 0 0% 0 0%
allocate deallocate layoutstats clone 0 0%
0 0% 0 0% 0 0% 0 0%

root@server1:~# nfsi
nfsi map nfsiostat
root@server1:~# nfsiostat

192.168.23.3:/mnt/nfs_2 mounted on /root/nfs2:
ops/s rpc bkglog
0.090 0.000

read: ops/s kb/s kb/op retrans avg RTT (ms) avg exe (ms)
0.000 0.000 0.000 0 (0.0%) 0.000 0.000
write: ops/s kb/s kb/op retrans avg RTT (ms) avg exe (ms)
0.000 0.000 0.000 0 (0.0%) 0.000 0.000

192.168.23.3:/mnt/nfs_1 mounted on /root/nfs1:
ops/s rpc bkglog
0.090 0.000

read: ops/s kb/s kb/op retrans avg RTT (ms) avg exe (ms)
0.000 0.000 0.000 0 (0.0%) 0.000 0.000
write: ops/s kb/s kb/op retrans avg RTT (ms) avg exe (ms)
0.000 0.000 0.000 0 (0.0%) 0.000 0.000

root@server1:~# cat /etc/fstab
# /etc/fstab: static file system information.
#
# Use 'blkid' to print the universally unique identifier for a
# device; this may be used with UUID= as a more robust way to name devices
# that works even if disks are added and removed. See fstab(5).
#
# systemd generates mount units based on this file, see systemd.mount(5).
# Please run 'systemctl daemon-reload' after making changes here.
#
# file system=mount point=types<options> <dump> <pass>
# / was on /dev/sda2 during installation
UUID=5acbb923-966c-4d99-a1e2-d83b7f4744bd / ext4 errors=remount-ro 0 1
# /boot/efi was on /dev/sda1 during installation
UUID=9E12-7A9D /boot/efi vfat umask=0077 0 1
# swap was on /dev/sda4 during installation
UUID=7499870-8794-4703-a4e0-2b235988a9f6 none swap sw 0 0
/dev/sr0 /media/cdrom0 udf,iso9660 user,noauto 0 0
192.168.23.3:/mnt/nfs_1 /root/nfs1 nfs4 rw,async
192.168.23.3:/mnt/nfs_2 /root/nfs2 nfs4 rw,async
root@server1:~#
```

UNREGISTERED VERSION - Please support MobaxTerm by subscribing to the professional edition here: <https://mobaxterm.mobatek.net>

```
server3 (root)
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MUXExec Tunneling Packages Settings Help
Quick connect...
14 server1 (root) 10 server2 (root) 12 server3 (root)
>
* MobaxTerm Personal Edition v21.2 *
* (SSH client, X server and network tools) *

* SSH session to root@server3.lan *
* Direct SSH : ✓ *
* SSH compression : ✓ *
* SSH-browser : ✓ *
* X11-forwarding : ✓ (remote display is forwarded through SSH) *
* For more info, ctrl+click on help or visit our website. *

Linux server3 5.10.0-8-amd64 #1 SMP Debian 5.10.46-4 (2021-08-03) x86_64
The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.
Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Sat Sep 11 13:31:20 2021 from 192.168.1.143
root@server3:~# cat /etc/exports
# /etc/exports: the access control list for filesystems which may be exported
# to NFS clients. See exports(5).
#
# Example for NFSv2 and NFSv3:
# /srv/homes hostname1(rw,sync,no_subtree_check) hostname2(ro,sync,no_subtree_check)
#
# Example for NFSv4:
# /srv/nfs4 gss/krb5(rw,sync,fsid=0,crossmnt,no_subtree_check)
# /srv/nfs4/homes gss/krb5(rw,sync,no_subtree_check)
#
/mnt/nfs_1 192.168.12.1:(rw,sync)
/mnt/nfs_2 192.168.12.1:(rw,sync)
root@server3:~#
```

UNREGISTERED VERSION - Please support MobaxTerm by subscribing to the professional edition here: <https://mobaxterm.mobatek.net>

