

Презентация лабораторной работы №1

Бакулин Никита 1032201747

Цель работы

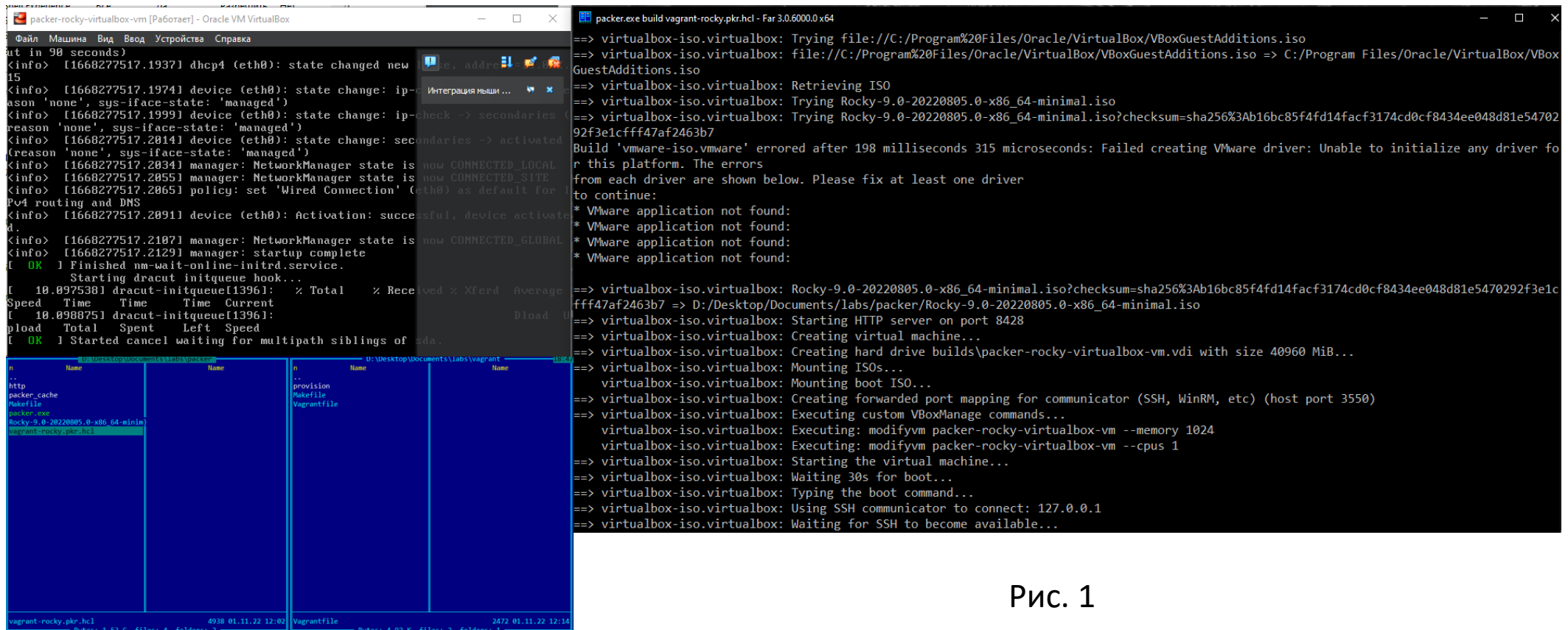
- Приобретение практических навыков установки Rocky Linux на виртуальную машину с помощью инструмента Vagrant.

Задачи

- Сформируйте box-файл с дистрибутивом Rocky Linux для VirtualBox
- Запустите виртуальные машины сервера и клиента и убедитесь в их работоспособности.
- Внесите изменения в настройки загрузки образов виртуальных машин server и client, добавив пользователя с правами администратора и изменив названия хостов.

Результаты выполнения

- Сформируйте box-файл с дистрибутивом Rocky Linux для VirtualBox



The image shows two overlapping terminal windows. The left window displays the output of a Packer build for a Rocky Linux virtual machine. The right window shows the VirtualBox log for the same VM, detailing the process of mounting the ISO, creating the virtual machine, and starting it.

Left Window (Packer Build Log):

```
packer-rocky-virtualbox-vm [Работа] - Oracle VM VirtualBox
File  Машина  Вид  Ввод  Устройства  Справка
ut in 98 seconds)
<info> [1668277517.1937] dhcp4 (eth0): state changed new
15
<info> [1668277517.1974] device (eth0): state change: ip-
ason 'none', sys-iface-state: 'managed')
<info> [1668277517.1999] device (eth0): state change: ip-check -> secondaries
reason 'none', sys-iface-state: 'managed')
<info> [1668277517.2014] device (eth0): state change: secondaries -> activated
(reason 'none', sys-iface-state: 'managed')
<info> [1668277517.2034] manager: NetworkManager state is now CONNECTED_LOCAL
<info> [1668277517.2055] manager: NetworkManager state is now CONNECTED_SITE
<info> [1668277517.2065] policy: set 'Wired Connection' (eth0) as default for
IPv4 routing and DNS
<info> [1668277517.2091] device (eth0): Activation: successful, device activate
d.
<info> [1668277517.2107] manager: NetworkManager state is now CONNECTED_GLOBAL
<info> [1668277517.2129] manager: startup complete
[ OK ] Finished nm-wait-online-initrd.service.
Starting dracut initqueue hook...
[ 10.097538] dracut-initqueue[1396]: % Total % Received % Xferd Average
Speed Time Time Time Current
[ 10.098875] dracut-initqueue[1396]:
load Total Spent Left Speed
[ OK ] Started cancel waiting for multipath siblings of sda.
```

Right Window (VirtualBox Log):

```
packer.exe build vagrant-rocky.pkr.hcl - Far 3.0.6000.0 x64
==> virtualbox-iso.virtualbox: Trying file://C:/Program%20Files/Oracle/VirtualBox/VBoxGuestAdditions.iso
==> virtualbox-iso.virtualbox: file://C:/Program%20Files/Oracle/VirtualBox/VBoxGuestAdditions.iso => C:/Program Files/Oracle/VirtualBox/VBox
GuestAdditions.iso
==> virtualbox-iso.virtualbox: Retrieving ISO
==> virtualbox-iso.virtualbox: Trying Rocky-9.0-20220805.0-x86_64-minimal.iso
==> virtualbox-iso.virtualbox: Trying Rocky-9.0-20220805.0-x86_64-minimal.iso?checksum=sha256%3Ab16bc85f4fd14facf3174cd0cf8434ee048d81e54702
92f3e1cfff47af2463b7
Build 'vmware-iso.vmware' errored after 198 milliseconds 315 microseconds: Failed creating VMware driver: Unable to initialize any driver fo
r this platform. The errors
from each driver are shown below. Please fix at least one driver
to continue:
* VMware application not found:
* VMware application not found:
* VMware application not found:
* VMware application not found:
==> virtualbox-iso.virtualbox: Rocky-9.0-20220805.0-x86_64-minimal.iso?checksum=sha256%3Ab16bc85f4fd14facf3174cd0cf8434ee048d81e5470292f3e1c
fff47af2463b7 => D:/Desktop/Documents/labs/packer/Rocky-9.0-20220805.0-x86_64-minimal.iso
==> virtualbox-iso.virtualbox: Starting HTTP server on port 8428
==> virtualbox-iso.virtualbox: Creating virtual machine...
==> virtualbox-iso.virtualbox: Creating hard drive builds\packer-rocky-virtualbox-vm.vdi with size 40960 MiB...
==> virtualbox-iso.virtualbox: Mounting ISOs...
virtualbox-iso.virtualbox: Mounting boot ISO...
==> virtualbox-iso.virtualbox: Creating forwarded port mapping for communicator (SSH, WinRM, etc) (host port 3550)
==> virtualbox-iso.virtualbox: Executing custom VBoxManage commands...
virtualbox-iso.virtualbox: Executing: modifyvm packer-rocky-virtualbox-vm --memory 1024
virtualbox-iso.virtualbox: Executing: modifyvm packer-rocky-virtualbox-vm --cpus 1
==> virtualbox-iso.virtualbox: Starting the virtual machine...
==> virtualbox-iso.virtualbox: Waiting 30s for boot...
==> virtualbox-iso.virtualbox: Typing the boot command...
==> virtualbox-iso.virtualbox: Using SSH communicator to connect: 127.0.0.1
==> virtualbox-iso.virtualbox: Waiting for SSH to become available...
```

Рис. 1

Результаты выполнения

- Запустите виртуальные машины сервера и клиента и убедитесь в их работоспособности.

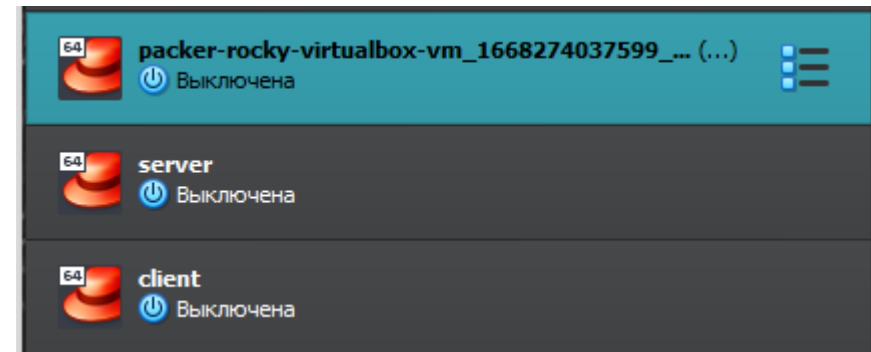


Рис. 2

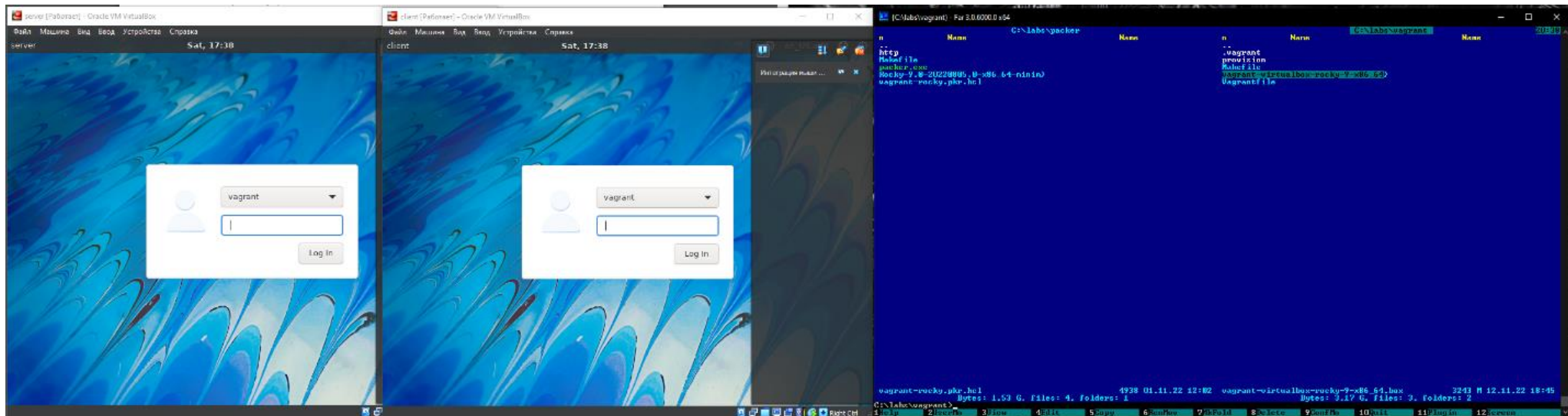
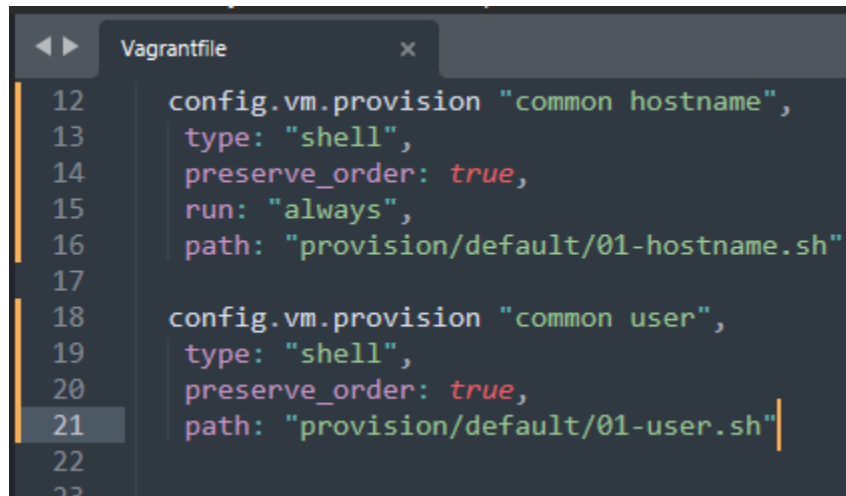


Рис. 3

Результаты выполнения

- Внесите изменения в настройки загрузки образов виртуальных машин server и client, добавив пользователя с правами администратора и изменив названия хостов.



```
Vagrantfile
12  config.vm.provision "common hostname",
13      type: "shell",
14      preserve_order: true,
15      run: "always",
16      path: "provision/default/01-hostname.sh"
17
18  config.vm.provision "common user",
19      type: "shell",
20      preserve_order: true,
21      path: "provision/default/01-user.sh"
```

Рис. 4

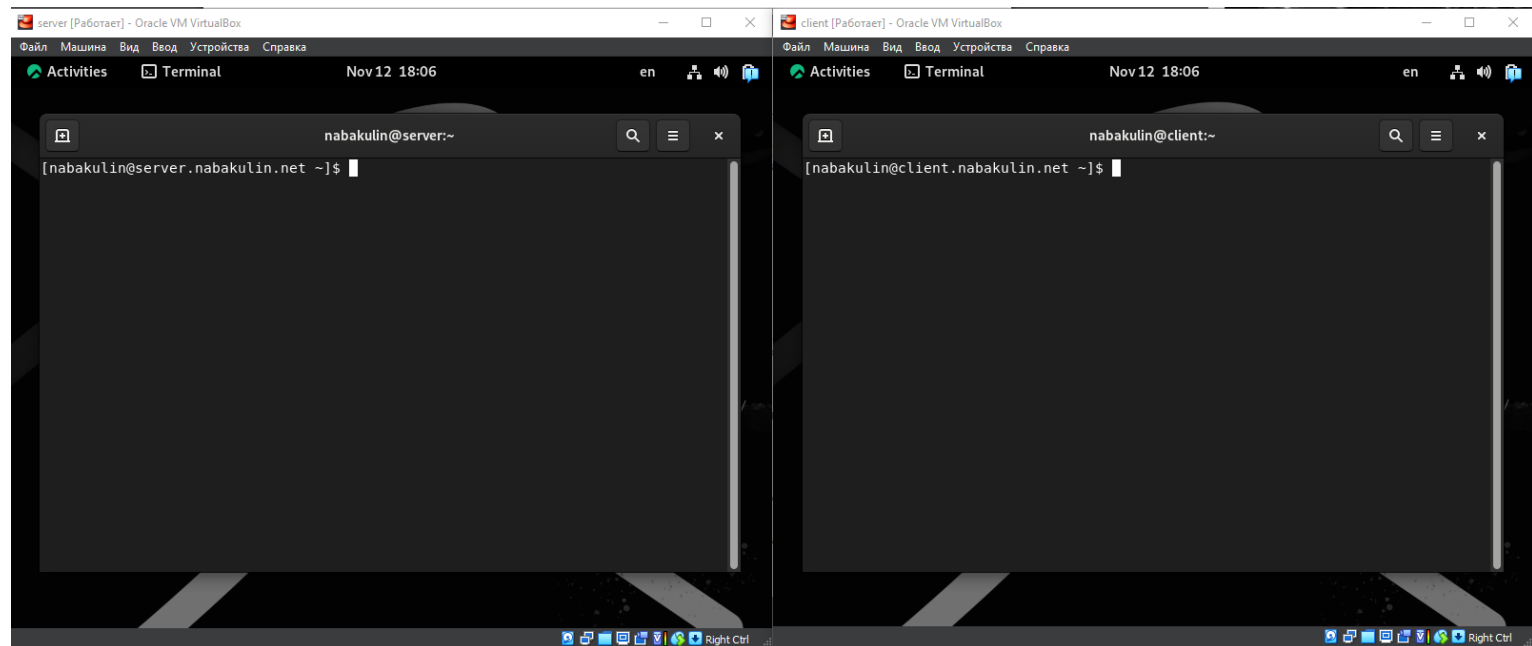


Рис. 5