

**ОТЧЁТ ПО ЛАБОРАТОРНОЙ
РАБОТЕ №1**

**дисциплина:
Администрирование сетевых
подсистем**

Студент: Астахова Марина Дмитриевна

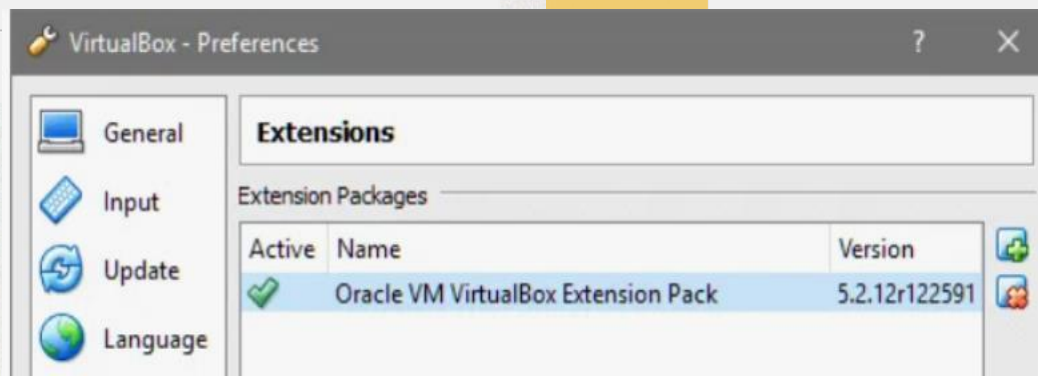
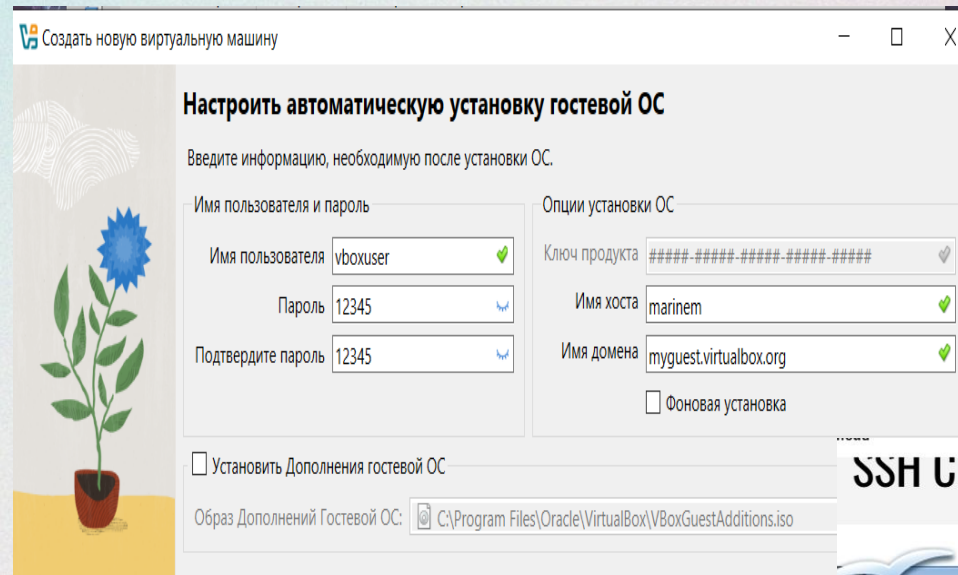
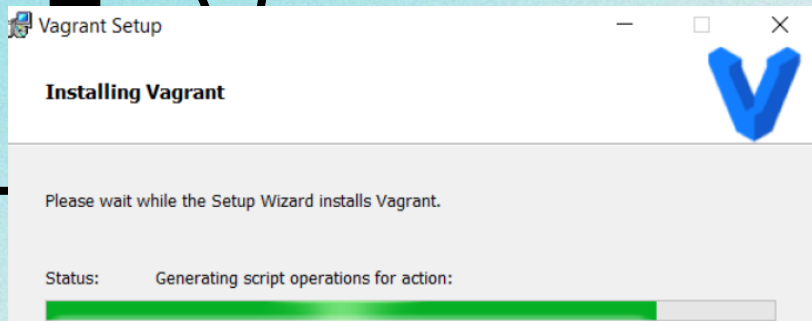
Группа: НПИбд-02-23

Цель работы:

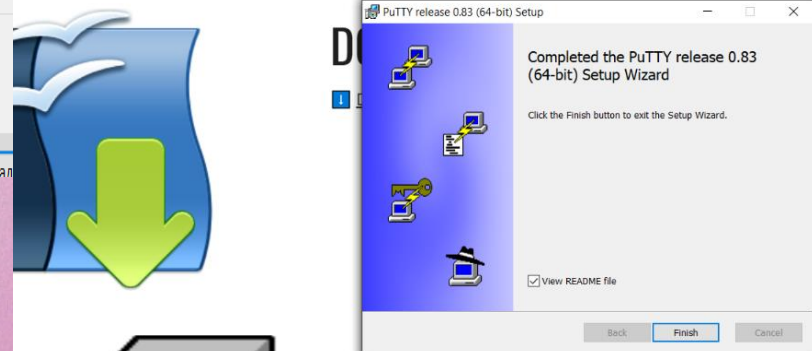
Целью данной работы является приобретение практических навыков установки Rocky Linux на виртуальную машину с помощью инструмента Vagrant.

Формирование *box* - файла с дистрибутивом Rocky Linux для VirtualBox.

Для начала работы надо установить следующие программы и расширения



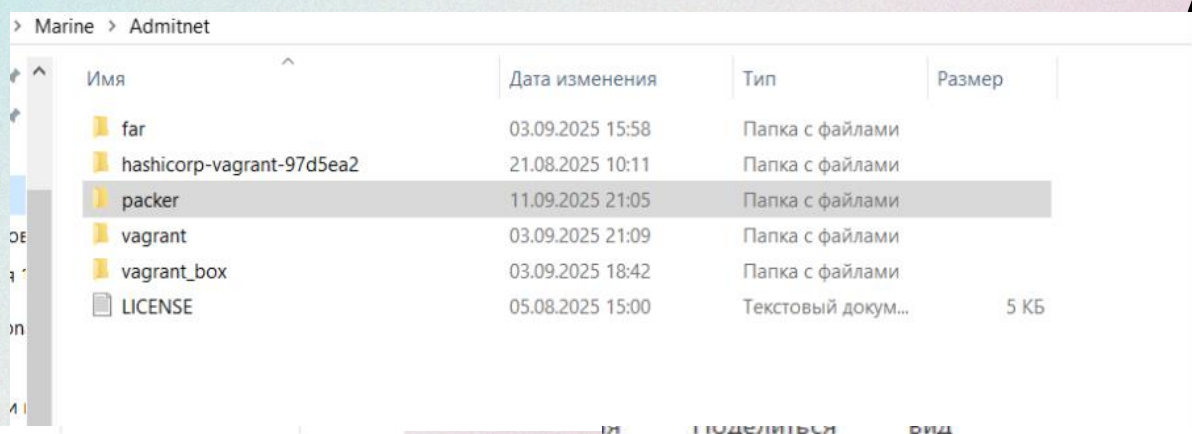
SSH CLIENT OR TELNET CLIENT SOFTWARE!



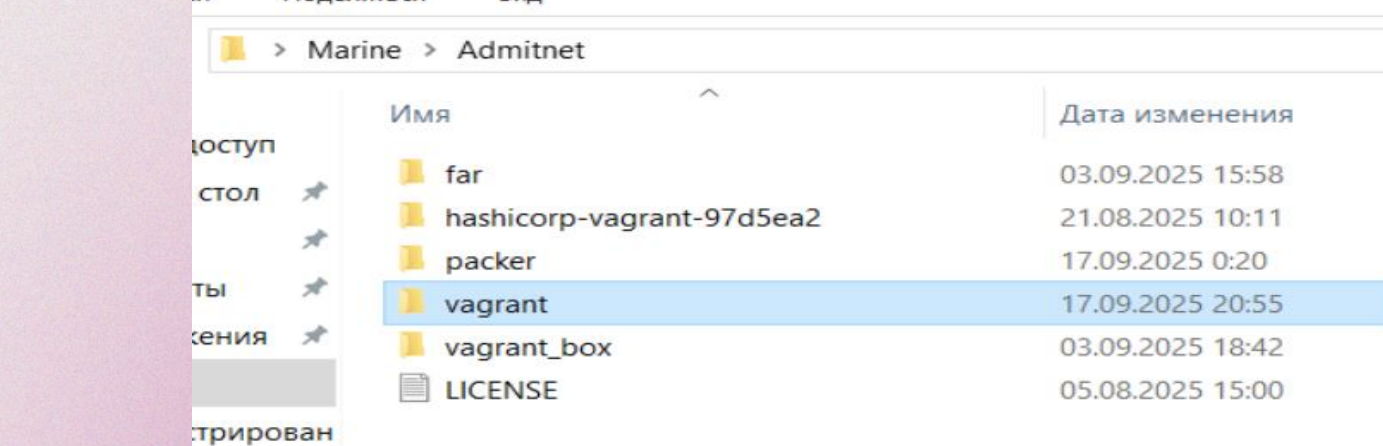
WHAT IS PUTTY

Создание каталогов.

Перед началом работы с Vagrant необходимо создать выделенные каталоги для организации файлов проекта. Местоположение каталогов зависит от используемой операционной системы.



\$(pwd)	03.09.2025 21:16	Папка с файлами
.config	03.09.2025 21:16	Папка с файлами
http	03.09.2025 20:58	Папка с файлами
-p	03.09.2025 21:16	Папка с файлами
scripts	03.09.2025 21:00	Папка с файлами
LICENSE	05.08.2025 15:00	Текстовый докум...
makefile	03.09.2025 21:26	Текстовый докум...
packer	05.08.2025 15:00	Файл
Rocky-10.0-x86_64-minimal	04.09.2025 16:41	Файл образа диска
vagrant-rocky.pkr.hcl	04.09.2025 16:19	Файл "HCL"



Размещение Файлов

Имя

.vagrant

provision

Makefile

Rocky-9.6-x86_64-minimal

Vagrantfile

vagrant-rocky.pkr

vagrant-virtualbox-rocky-9-x86_64.box

> Marine > Admitnet > vagrant > provision > server

Имя	Дата изменения	Тип	Размер
01-dummy	10.09.2025 12:03	Shell Script	1 КБ
02-forward	10.09.2025 12:03	Shell Script	1 КБ

Поделиться

Вид

> Marine > Admitnet > vagrant > provision > default

Имя	Дата из
01-dummy	10.09.20
01-hostname	10.09.20
01-user	10.09.20

Поделиться

Вид

> Marine > Admitnet > vagrant > provision > client

Имя	Дата из
01-dummy	10.09.20
01-routing	10.09.20

Развёртывание лабораторного стенда на ОС Windows

В данном разделе приведена последовательность действий при развёртывании образа виртуальной машины в ОС Windows на домашнем компьютере в VirtualBox с использованием Vagrant.

```
Successfully activated (D-Bus active path: /org/freedesktop/NetworkManager/ActiveConnection/2)
[vagrant@localhost ~]$ exit
logout
PS C:\Users\Marine\AppData\Local\Temp\vagrant-shell120251112-10968-p249i9.
client: common hostname (shell)...
client: client routing (shell)...
client: Connection 'eth0' successfully deactivated (D-Bus active path: /org/freedesktop/NetworkManager/ActiveConnection/2)
```

```
Successfully activated (D-Bus active path: /org/freedesktop/NetworkManager/ActiveConnection/2)
[vagrant@localhost ~]$ exit
logout
PS C:\Users\Marine\AppData\Local\Temp\vagrant-shell120251112-14804-uxg3ed.sh
server: Provisioning script /tmp/vagrant-shell
server: Running provisioner: common hostname (shell)...
server: Running provisioner: common user (shell)...
server: Running: C:/Users/Marine/AppData/Local/Temp/vagrant-shell120251112-14804-cbmbmx.sh
server: Provisioning script /tmp/vagrant-shell
server: id: 'astakhovamd': no such user
server: Running provisioner: server dummy (shell)...
server: Running: C:/Users/Marine/AppData/Local/Temp/vagrant-shell120251112-14804-pwotn8.sh
server: Provisioning script /tmp/vagrant-shell
client: Running provisioner: common dummy (shell)...
client: Running: C:/Users/Marine/AppData/Local/Temp/vagrant-shell120251112-14804-vse5cg.sh
client: Provisioning script /tmp/vagrant-shell
client: Running provisioner: common hostname (shell)...
client: Running: C:/Users/Marine/AppData/Local/Temp/vagrant-shell120251112-14804-js0q1g.sh
client: Running provisioner: common user (shell)...
client: Running: C:/Users/Marine/AppData/Local/Temp/vagrant-shell120251112-14804-x8ilfs.sh
client: Provisioning script /tmp/vagrant-shell
client: id: 'astakhovamd': no such user
client: Running provisioner: client dummy (shell)...
client: Running: C:/Users/Marine/AppData/Local/Temp/vagrant-shell120251112-14804-3o08d8.sh
client: Provisioning script /tmp/vagrant-shell
client: Running provisioner: client routing (shell)...
client: Running: C:/Users/Marine/AppData/Local/Temp/vagrant-shell120251112-14804-eb63s0.sh
client: Provisioning script /tmp/vagrant-shell
client: Error: unknown connection 'eth1'.
client: Error: unknown connection 'eth1'.
client: Connection 'eth0' successfully deactivated (D-Bus active path: /org/freedesktop/NetworkManager/ActiveConnection/2)
client: Connection successfully activated (D-Bus active path: /org/freedesktop/NetworkManager/ActiveConnection/4)
```

```
PS C:\Users\Marine\Admitnet\vagrant> vagrant up
Bringing machine 'server' up with 'virtualbox' provider...
Bringing machine 'client' up with 'virtualbox' provider...
==> server: You assigned a static IP ending in ".1" or ":1" to this machine.
==> server: This is very often used by the router and can cause the
==> server: network to not work properly. If the network doesn't work
==> server: properly, try changing this IP.
==> server: You assigned a static IP ending in ".1" or ":1" to this machine.
==> server: This is very often used by the router and can cause the
==> server: network to not work properly. If the network doesn't work
==> server: properly, try changing this IP.
==> server: You assigned a static IP ending in ".1" or ":1" to this machine.
==> server: This is very often used by the router and can cause the
==> server: network to not work properly. If the network doesn't work
==> server: properly, try changing this IP.
==> server: Running provisioner: common dummy (shell)...
server: Running: C:/Users/Marine/AppData/Local/Temp/vagrant-shell120251112-14804-uxg3ed.sh
server: Provisioning script /tmp/vagrant-shell
==> server: Running provisioner: common hostname (shell)...
server: Running: C:/Users/Marine/AppData/Local/Temp/vagrant-shell120251112-14804-3ju5sq.sh
==> server: Running provisioner: common user (shell)...
server: Running: C:/Users/Marine/AppData/Local/Temp/vagrant-shell120251112-14804-cbmbmx.sh
server: Provisioning script /tmp/vagrant-shell
server: id: 'astakhovamd': no such user
==> server: Running provisioner: server dummy (shell)...
server: Running: C:/Users/Marine/AppData/Local/Temp/vagrant-shell120251112-14804-pwotn8.sh
server: Provisioning script /tmp/vagrant-shell
==> client: Running provisioner: common dummy (shell)...
client: Running: C:/Users/Marine/AppData/Local/Temp/vagrant-shell120251112-14804-vse5cg.sh
client: Provisioning script /tmp/vagrant-shell
==> client: Running provisioner: common hostname (shell)...
client: Running: C:/Users/Marine/AppData/Local/Temp/vagrant-shell120251112-14804-js0q1g.sh
==> client: Running provisioner: common user (shell)...
client: Running: C:/Users/Marine/AppData/Local/Temp/vagrant-shell120251112-14804-x8ilfs.sh
client: Provisioning script /tmp/vagrant-shell
client: id: 'astakhovamd': no such user
==> client: Running provisioner: client dummy (shell)...
client: Running: C:/Users/Marine/AppData/Local/Temp/vagrant-shell120251112-14804-3o08d8.sh
client: Provisioning script /tmp/vagrant-shell
==> client: Running provisioner: client routing (shell)...
client: Running: C:/Users/Marine/AppData/Local/Temp/vagrant-shell120251112-14804-eb63s0.sh
client: Provisioning script /tmp/vagrant-shell
client: Error: unknown connection 'eth1'.
client: Error: unknown connection 'eth1'.
client: Connection 'eth0' successfully deactivated (D-Bus active path: /org/freedesktop/NetworkManager/ActiveConnection/2)
client: Connection successfully activated (D-Bus active path: /org/freedesktop/NetworkManager/ActiveConnection/4)
```

```
[vagrant@localhost ~]$ exit
logout
PS C:\Users\Marine\Admitnet\vagrant>
```


Вывод

В ходе выполнения лабораторной работы были получены навыки разворачивания лабораторного стенда и запуска виртуальной машины на vagrant.