

ОТЧЁТ ПО ЛАБОРАТОРНОЙ РАБОТЕ №1

**дисциплина:
Администрирование сетевых
подсистем**

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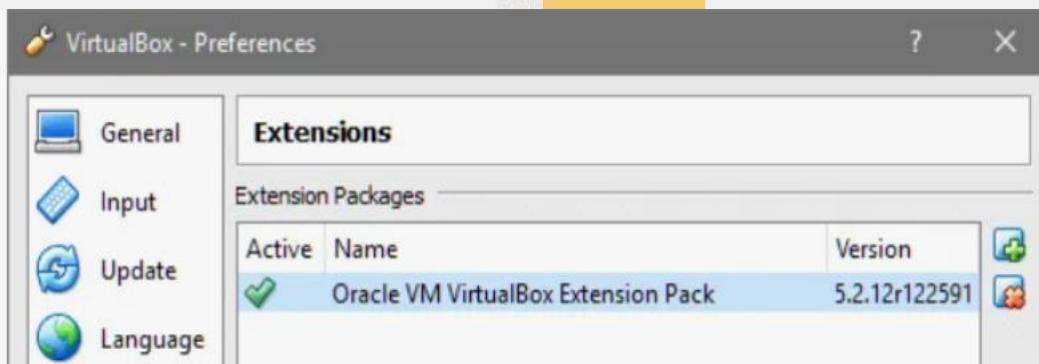
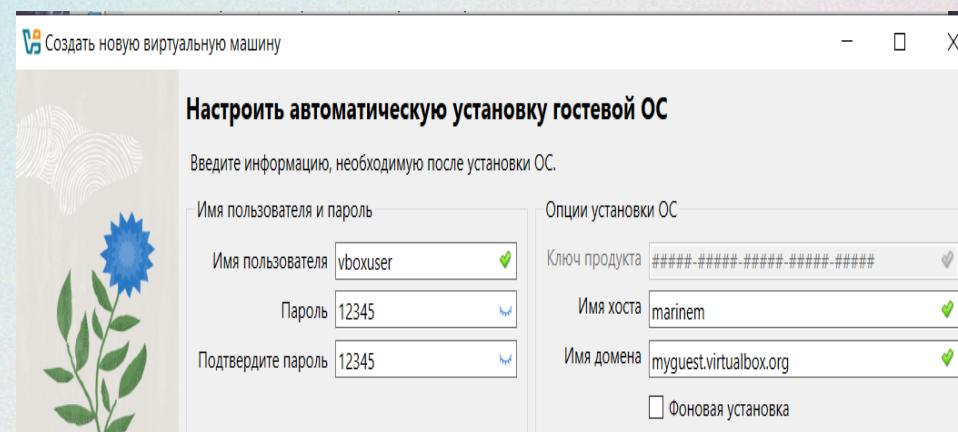
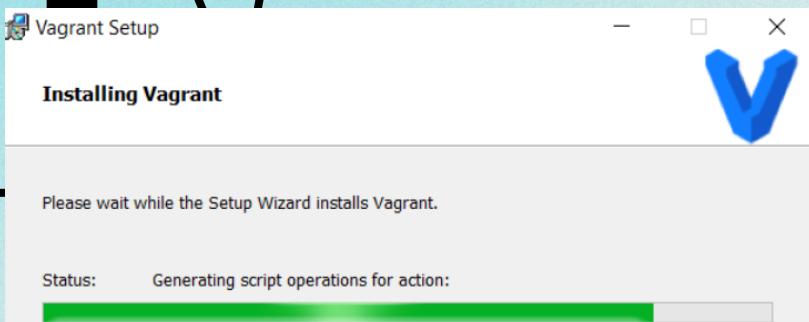
Группа: НПИбд-02-23

Цель работы:

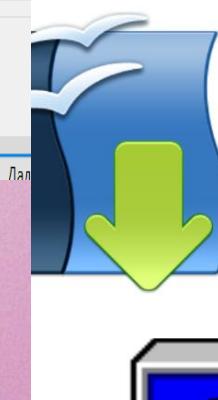
Целью данной работы является приобретение практических навыков установки Rocky Linux на виртуальную машину с помощью инструмента Vagrant.

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.

Marine > Admitnet			
Имя	Дата изменения	Тип	Размер
far	03.09.2025 15:58	Папка с файлами	
hashicorp-vagrant-97d5ea2	21.08.2025 10:11	Папка с файлами	
packer	11.09.2025 21:05	Папка с файлами	
vagrant	03.09.2025 21:09	Папка с файлами	
vagrant_box	03.09.2025 18:42	Папка с файлами	
LICENSE	05.08.2025 15:00	Текстовый докум...	5 КБ

Marine > Admitnet			
доступ	имя	дата изменения	
стол	far	03.09.2025 15:58	
стол	hashicorp-vagrant-97d5ea2	21.08.2025 10:11	
стол	packer	17.09.2025 0:20	
ты	vagrant	17.09.2025 20:55	
ты	vagrant_box	03.09.2025 18:42	
сения	LICENSE	05.08.2025 15:00	

- \$(pwd)
- .config
- http
- -p
- scripts
- LICENSE
- makefile
- packer
- Rocky-10.0-x86_64-minimal
- vagrant-rocky.pkr.hcl

Размещение Файлов

The screenshot shows a file explorer interface with several windows open, illustrating the file structure and provisioning scripts for a Vagrant environment.

Top Left Window: A list of files and folders in the root directory:

- .vagrant
- provision
- Makefile
- Rocky-9.6-x86_64-minimal
- Vagrantfile
- vagrant-rocky.pkr
- vagrant-virtualbox-rocky-9-x86_64.box

Bottom Left Window: A file list under the path: 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

Right Window: A file list under the path: Marine > Admitnet > vagrant > provision > default

Имя	Дата из
01-dummy	10.09.2025 12:03
01-hostname	10.09.2025 12:03
01-user	10.09.2025 12:03

Bottom Right Window: A file list under the path: Marine > Admitnet > vagrant > provision > client

Имя	Дата и
01-dummy	10.09.2025 12:03
01-routing	10.09.2025 12:03

Развертывание лабораторного стенда на OS Windows

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

```
essfully activated (D-Bus active path: /org/freedesktop/NetworkM  
\vagrant> vagrant up client  
ip with 'virtualbox' provider...  
provisioned. Run `vagrant provision` or use the `--provision`  
provisioning. Provisioners marked to run always will still run.  
on: common hostname (shell)...  
rs/Marine/AppData/Local/Temp/vagrant-shell20251112-10968-p249i9.  
on: client routing (shell)...  
rs/Marine/AppData/Local/Temp/vagrant-shell20251112-10968-77ivlr.  
ript /tmp/vagrant-shell  
connection 'eth1'.  
connection 'eth1'.  
'0' successfully deactivated (D-Bus active path: /org/freedesktop
```

```
essfully activated (D-Bus active path: /org/freedesktop/NetworkM  
\vagrant> vagrant up server  
ip with 'virtualbox' provider...  
static IP ending in ".1" or ":1" to this machine.  
ten used by the router and can cause the  
work properly. If the network doesn't work  
hanging this IP.  
static IP ending in ".1" or ":1" to this machine.  
ten used by the router and can cause the  
work properly. If the network doesn't work  
hanging this IP.  
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work properly. If the network doesn't work  
hanging this IP.  
provisioned. Run `vagrant provision` or use the `--provision`  
provisioning. Provisioners marked to run always will still run.  
on: common hostname (shell)...  
rs/Marine/AppData/Local/Temp/vagrant-shell20251112-9684-xq00xf.s  
\vagrant>
```

```
PS C:\Users\Marine\Adminnet\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-shell20251112-14804-uxg3ed.sh  
server: Provisioning script /tmp/vagrant-shell  
=> server: Running provisioner: common hostname (shell)...  
server: Running: C:/Users/Marine/AppData/Local/Temp/vagrant-shell20251112-14804-3ju5sq.sh  
=> server: Running provisioner: common user (shell)...  
server: Running: C:/Users/Marine/AppData/Local/Temp/vagrant-shell20251112-14804-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-shell20251112-14804-pwotn8.sh  
server: Provisioning script /tmp/vagrant-shell  
=> client: Running provisioner: common dummy (shell)...  
client: Running: C:/Users/Marine/AppData/Local/Temp/vagrant-shell20251112-14804-vse5cg.sh  
client: Provisioning script /tmp/vagrant-shell  
=> client: Running provisioner: common hostname (shell)...  
client: Running: C:/Users/Marine/AppData/Local/Temp/vagrant-shell20251112-14804-j50q1g.sh  
=> client: Running provisioner: common user (shell)...  
client: Running: C:/Users/Marine/AppData/Local/Temp/vagrant-shell20251112-14804-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-shell20251112-14804-3o08d8.sh  
client: Provisioning script /tmp/vagrant-shell  
=> client: Running provisioner: client routing (shell)...  
client: Running: C:/Users/Marine/AppData/Local/Temp/vagrant-shell20251112-14804-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/4)  
client: Connection successfully activated (D-Bus active path: /org/freedesktop/NetworkManager/ActiveConnection/4)
```

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

Выход

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