# Презентация по лабораторной работе №1

Подготовка лабораторного стенда

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

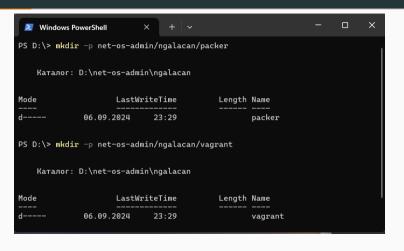


Рис. 1: Создание каталогов

```
01-user.sh
                                                                                      (3)
Файл
        Изменить
                    Просмотр
#!/bin/bash
echo "Provisioning script $0"
username=<mark>ngalacan</mark>
userpassword=123456
encpassword=`openssl passwd -1 ${userpassword}`
id -u $username
if [[ $? ]]
then
    adduser -G wheel -p ${encpassword} ${username}
    homedir=`getent passwd ${username} | cut -d: -f6`
    echo "export PS1='[\u@\H \W]\\$ '" >> ${homedir}/.bashrc
 Строка 5. столбец 18 8 из 336 символов
                                                  Unix (LF)
```

Рис. 2: Редактирование скрипта

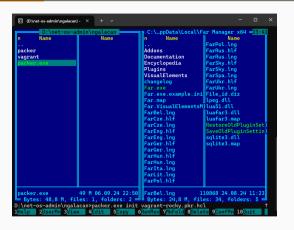


Рис. 3: Начало автоматической установки ОС

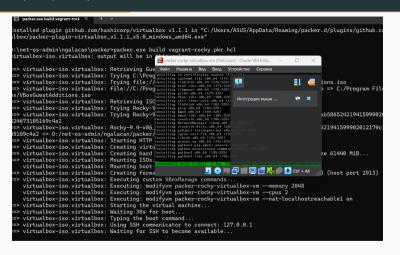


Рис. 4: Процесс установки ОС



Рис. 5: box-файл

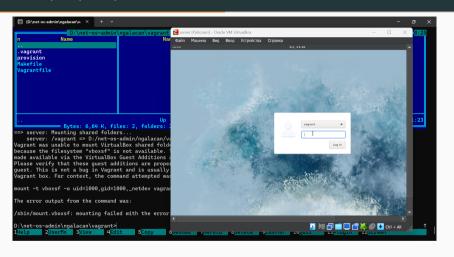


Рис. 6: Запуск ВМ

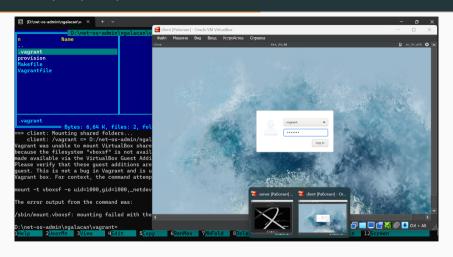


Рис. 7: Вход в систему



Рис. 8: Запуск ОС

```
D:\net-os-admin\ngalacan\vagrant>vagrant ssh server
==> server: The machine you're attempting to SSH into is configured to use
==> server: password-based authentication. Vagrant can't script entering the
==> server: password for you. If you're prompted for a password, please enter
==> server: the same password you have configured in the Vagrantfile.
vagrant@127.0.0.1's password:
Last login: Fri Sep 6 21:29:07 2024
[vagrant@server ~]$ su - ngalacan
su: user ngalacan does not exist or the user entry does not contain all the required fields
[vagrant@server ~]$ exit
logout
Connection to 127.0.0.1 closed.
D:\net-os-admin\ngalacan\vagrant>vagrant ssh client
==> client: The machine you're attempting to SSH into is configured to use
==> client: password-based authentication. Vagrant can't script entering the
==> client: password for you. If you're prompted for a password, please enter
==> client: the same password you have configured in the Vagrantfile.
vagrant@127.0.0.1's password:
Last login: Fri Sep 6 21:30:56 2024
[vagrant@client ~]$ su - ngalacan
su: user ngalacan does not exist or the user entry does not contain all the required fields
[vagrant@client ~1$ vagrant halt server
bash: vagrant: command not found...
[vagrant@client ~]$ exit
 logout
Connection to 127.0.0.1 closed.
```

Рис. 9: Подключение к серверу и клиенту через консоль



Рис. 10: Выключение ВМ

```
D:\net-os-admin\ngalacan\vagrant>vagrant up server --provision
Bringing machine 'server' up with 'virtualbox' provider...
==> server: You assigned a static IP ending in ".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" 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: Clearing any previously set forwarded ports...
==> server: Clearing any previously set network interfaces...
==> server: Preparing network interfaces based on configuration...
    server: Adapter 1: nat
    server: Adapter 2: intnet
==> server: Forwarding ports...
    server: 22 (quest) => 2222 (host) (adapter 1)
==> server: Running 'pre-boot' VM customizations...
==> server: Booting VM...
```

Рис. 11: Внесение изменения в настройки внутреннего окружения ВМ



Рис. 12: Приглашение на сервере

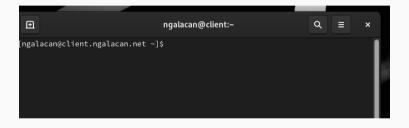


Рис. 13: Приглашение на клиенте

```
D:\net-os-admin\ngalacan\vagrant>vagrant halt server
==> server: Attempting graceful shutdown of VM...

D:\net-os-admin\ngalacan\vagrant>vagrant halt client
==> client: Attempting graceful shutdown of VM...

D:\net-os-admin\ngalacan\vagrant>
```

Рис. 14: Выключение ВМ



В результате выполнения работы были приобретены практические навыки установки Rocky Linux на виртуальную машину с помощью инструмента Vagrant.