

Лаборатория работа 1

Подготовка лабораторного стенда

ПОДГОТОВИЛА: КИМ РЕАЧНА
ГРУППА: НПИБД-02-20

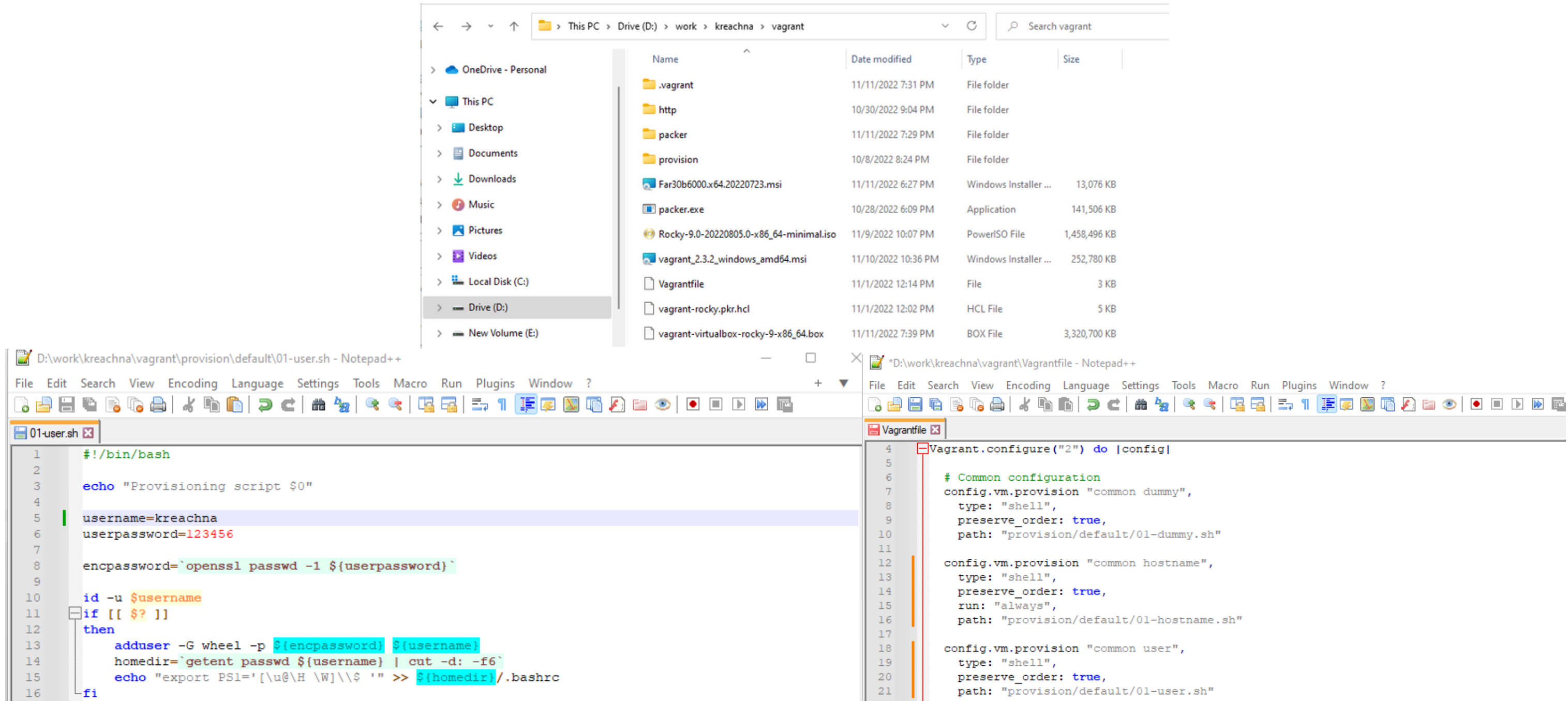
Цель работы:

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

Задание:

- Конфигурационные файлы
- Развёртывание лабораторного стенда на ОС Windows
- Внесение изменений в настройки внутреннего окружения виртуальной машины

Конфигурационные файлы



The image displays a Windows file explorer window and two Notepad++ windows. The file explorer shows the 'vagrant' directory, which contains several folders and files. The Notepad++ windows show the contents of '01-user.sh' and 'Vagrantfile'.

File Explorer: D:\work\kreachna\vagrant

Name	Date modified	Type	Size
.vagrant	11/11/2022 7:31 PM	File folder	
http	10/30/2022 9:04 PM	File folder	
packer	11/11/2022 7:29 PM	File folder	
provision	10/8/2022 8:24 PM	File folder	
Far30b6000.x64.20220723.msi	11/11/2022 6:27 PM	Windows Installer ...	13,076 KB
packer.exe	10/28/2022 6:09 PM	Application	141,506 KB
Rocky-9.0-20220805.0-x86_64-minimal.iso	11/9/2022 10:07 PM	PowerISO File	1,458,496 KB
vagrant_2.3.2_windows_amd64.msi	11/10/2022 10:36 PM	Windows Installer ...	252,780 KB
Vagrantfile	11/1/2022 12:14 PM	File	3 KB
vagrant-rocky.pkr.hcl	11/1/2022 12:02 PM	HCL File	5 KB
vagrant-virtualbox-rocky-9-x86_64.box	11/11/2022 7:39 PM	BOX File	3,320,700 KB

01-user.sh

```
1 #!/bin/bash
2
3 echo "Provisioning script $0"
4
5 username=kreachna
6 userpassword=123456
7
8 encpassword=`openssl passwd -1 ${userpassword}`
9
10 id -u $username
11 if [[ $? ]]
12 then
13     adduser -G wheel -p ${encpassword} ${username}
14     homedir=`getent passwd ${username} | cut -d: -f6`
15     echo "export PS1='\u@\H \W]\\$ '" >> ${homedir}/.bashrc
16 fi
```

Vagrantfile

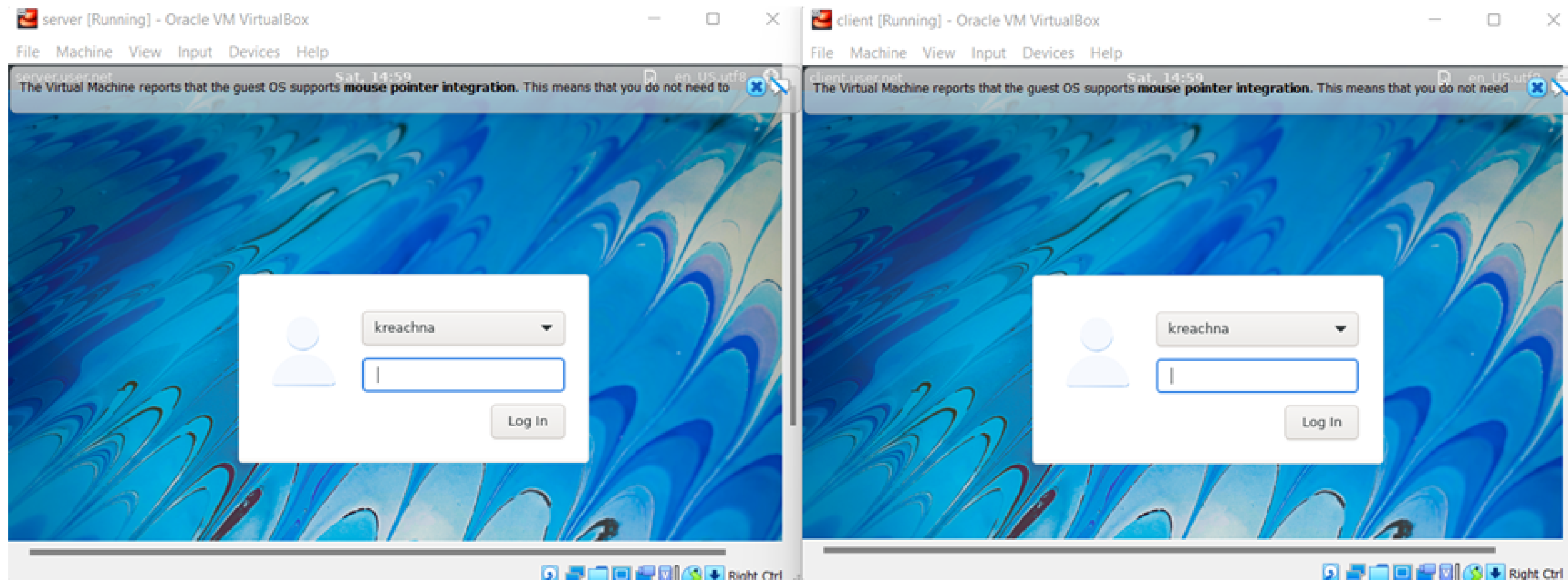
```
4 Vagrant.configure("2") do |config|
5
6     # Common configuration
7     config.vm.provision "common dummy",
8         type: "shell",
9         preserve_order: true,
10        path: "provision/default/01-dummy.sh"
11
12    config.vm.provision "common hostname",
13        type: "shell",
14        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"
```

Развёртывание лабораторного стенда на ОС Windows

```
PS C:\work\kreachna\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: 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: Running provisioner: common dummy (shell)...
server: Running: C:/Users/Reachna/AppData/Local/Temp/vagrant-shell20221112-8796-1v76qex.sh
server: Provisioning script /tmp/vagrant-shell
```

```
PS C:\work\kreachna\vagrant> vagrant up client --provision
Bringing machine 'client' up with 'virtualbox' provider...
==> client: Running provisioner: common dummy (shell)...
client: Running: C:/Users/Reachna/AppData/Local/Temp/vagrant-shell20221112-9076-it4lv6.sh
client: Provisioning script /tmp/vagrant-shell
==> client: Running provisioner: common hostname (shell)...
client: Running: C:/Users/Reachna/AppData/Local/Temp/vagrant-shell20221112-9076-1sb33a9.sh
==> client: Running provisioner: common user (shell)...
client: Running: C:/Users/Reachna/AppData/Local/Temp/vagrant-shell20221112-9076-16wt1q0.sh
client: Provisioning script /tmp/vagrant-shell
```

Внесение изменений в настройки внутреннего окружения виртуальной машины



Вывод

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

Спасибо за внимание!