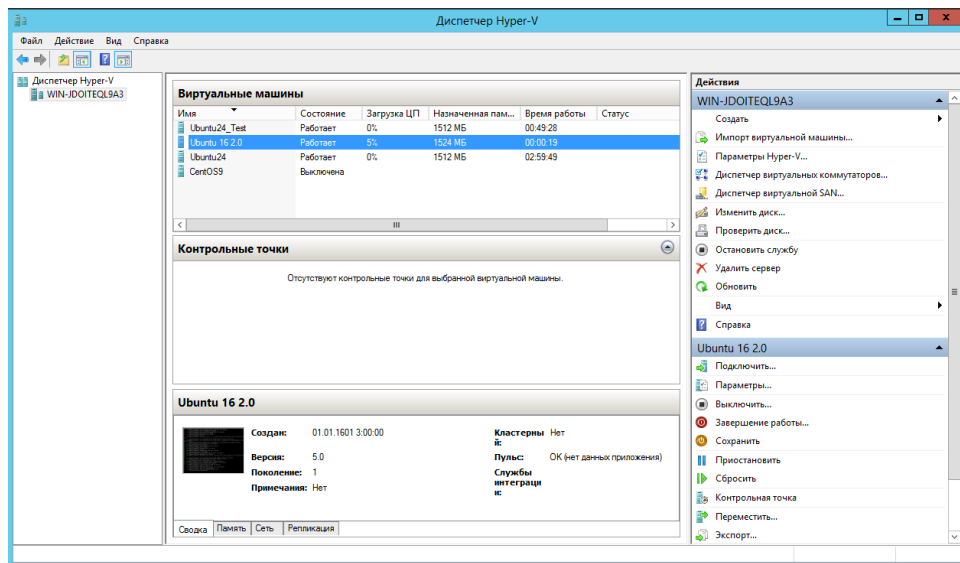


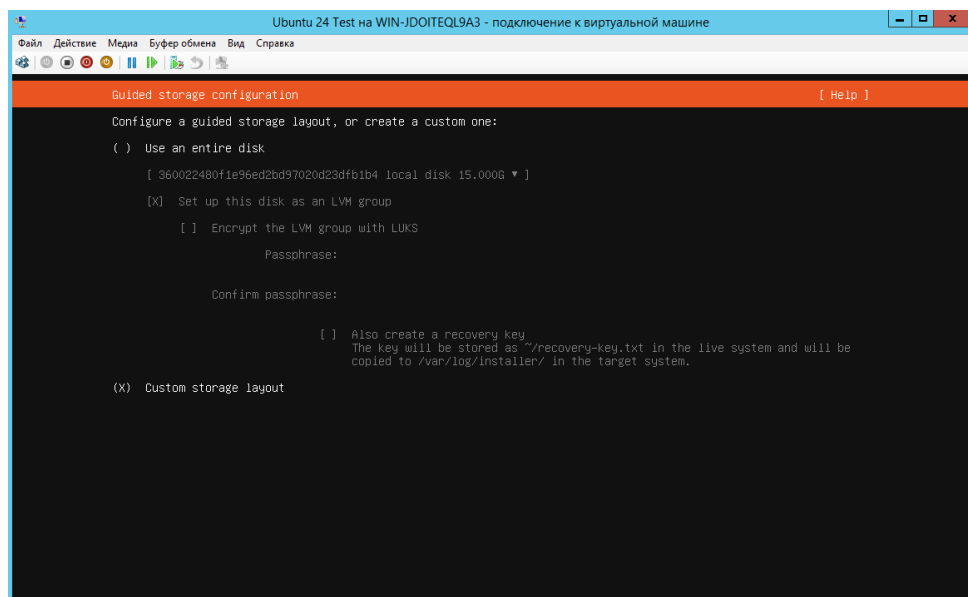
Homework_Lesson3_Report

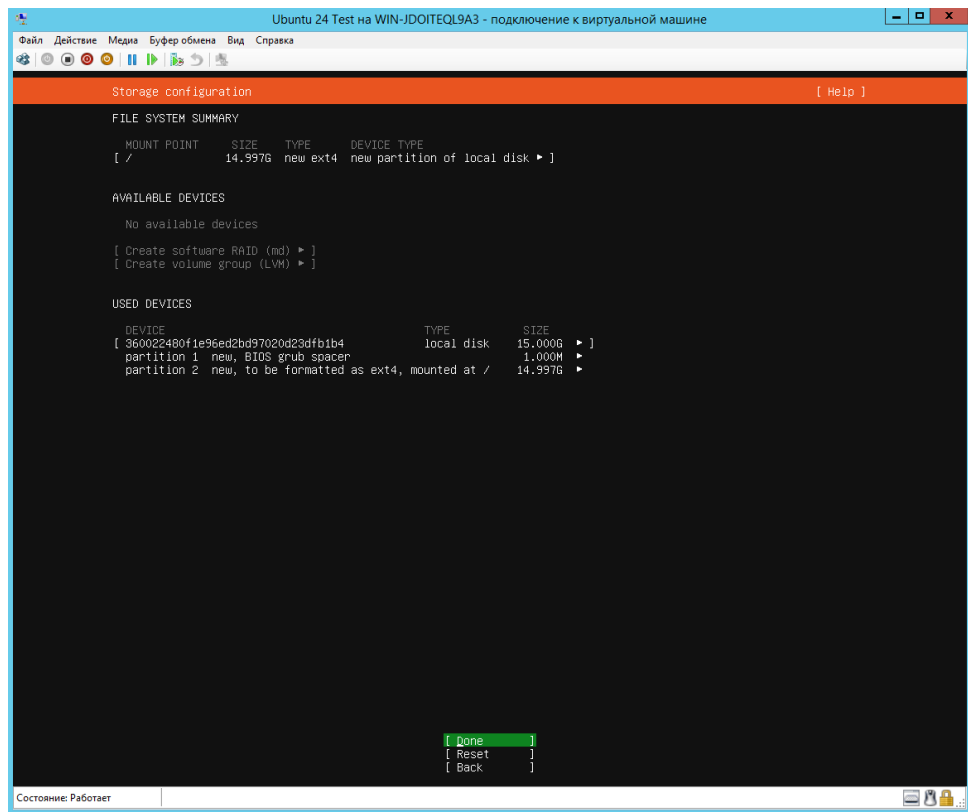
1. Создайте 2 виртуальных машины (далее - VM1, VM2. Вы можете дать любое удобное вам название). Используйте образ ubuntu 24.10
 2. Пройдите полностью все этапы установки и вручную разбейте свободное пространство на диски.
 3. Настройте SSH-соединение следующим образом: хостовая ОС -> VM1, VM1 -> хостовая ос, VM2 -> VM1, VM2 -> хостовая ОС. Запрет соединения можно осуществить любым удобным способом.
- * с помощью инструмента Hashicorp Packer создайте образы двух виртуальных машин с заранее подготовленными предустановками, описанными выше. Должно быть 2 конфига.

1. Виртуальные машины установлены.



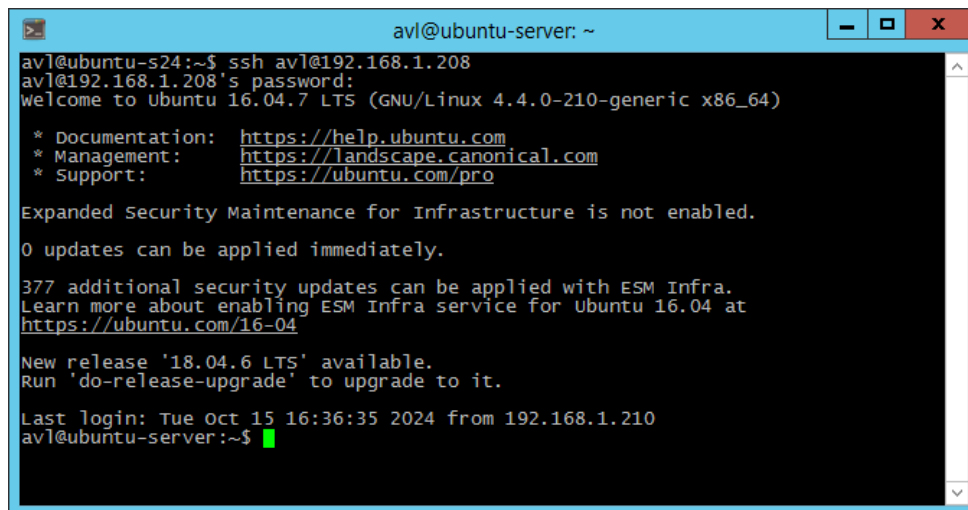
2. В ходе установки разбиваем свободное место на диске вручную.





3. Запретим доступ по ssh исходя из задания. Запрет будем осуществлять через iptables. Вместо хвостовой ОС у нас будет VM.

VM -> VM1



VM -> VM2

```
av1@ubuntu-s24: ~
av1@ubuntu-server:~$ exit
logout
Connection to 192.168.1.208 closed.
av1@ubuntu-s24:~$ ssh av1@192.168.1.213
ssh: connect to host 192.168.1.213 port 22: Connection timed out
av1@ubuntu-s24:~$
```

VM1 -> VM

```
av1@ubuntu-s24: ~
av1@ubuntu-server:~$ ssh av1@192.168.1.210
av1@192.168.1.210's password:
welcome to Ubuntu 24.04.1 LTS (GNU/Linux 6.8.0-41-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/pro

System information as of Tue Oct 15 01:51:00 PM UTC 2024

System load:  0.0          Processes:      129
Usage of /:   20.6% of 23.45GB Users logged in: 1
Memory usage: 31%          IPv4 address for eth0: 192.168.1.210
Swap usage:   0%

 * Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s
just raised the bar for easy, resilient and secure K8s cluster deployment.
https://ubuntu.com/engage/secure-kubernetes-at-the-edge

Expanded Security Maintenance for Applications is not enabled.

9 updates can be applied immediately.
To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

*** System restart required ***
Last login: Tue Oct 15 13:51:01 2024 from 192.168.1.208
av1@ubuntu-s24:~$
```

VM 1-> VM2

```
av1@192.168.1.208
av1@ubuntu-server:~$ ssh av1@192.168.1.213
ssh: connect to host 192.168.1.213 port 22: Connection timed out
av1@ubuntu-server:~$
```

VM 2-> VM

```
av1@ubuntu-server: ~
av1@ubuntu-server:~$ exit
logout
Connection to 192.168.1.208 closed.
av1@ubuntu24test:~$ ssh av1@192.168.1.208
av1@192.168.1.208's password:
Welcome to Ubuntu 16.04.7 LTS (GNU/Linux 4.4.0-210-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/pro

Expanded Security Maintenance for Infrastructure is not enabled.
0 updates can be applied immediately.

377 additional security updates can be applied with ESM Infra.
Learn more about enabling ESM Infra service for Ubuntu 16.04 at
https://ubuntu.com/16-04

New release '18.04.6 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

Last login: Tue Oct 15 17:19:11 2024 from 192.168.1.213
av1@ubuntu-server:~$
```

VM 2-> VM1

```
av1@ubuntu-s24: ~
av1@ubuntu24test:~$ ssh av1@192.168.1.210
av1@192.168.1.210's password:
Welcome to Ubuntu 24.04.1 LTS (GNU/Linux 6.8.0-41-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/pro

System information as of Tue Oct 15 02:21:03 PM UTC 2024

System load:  0.0          Processes:      130
Usage of /:   20.6% of 23.45GB  Users logged in: 1
Memory usage: 31%          IPv4 address for eth0: 192.168.1.210
Swap usage:   0%

 * Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s
just raised the bar for easy, resilient and secure K8s cluster deployment.
https://ubuntu.com/engage/secure-kubernetes-at-the-edge

Expanded Security Maintenance for Applications is not enabled.
9 updates can be applied immediately.
To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

*** System restart required ***
Last login: Tue Oct 15 14:21:04 2024 from 192.168.1.213
av1@ubuntu-s24:~$
```

VM2 iptables

```
av11@ubuntu24test: ~  
av11@ubuntu24test:~$ sudo iptables -L  
Chain INPUT (policy ACCEPT)  
target      prot opt source                destination  
ACCEPT      all  --  anywhere              anywhere  
ESTABLISHED  
DROP        all  --  192.168.1.208         anywhere  
DROP        all  --  192.168.1.210         anywhere  
Chain FORWARD (policy ACCEPT)  
target      prot opt source                destination  
Chain OUTPUT (policy ACCEPT)  
target      prot opt source                destination  
ACCEPT      all  --  anywhere              anywhere  
av11@ubuntu24test:~$
```

VM2 network settings

```
av11@ubuntu24test: ~  
av11@ubuntu24test:~$ ip addr  
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default  
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00  
    inet 127.0.0.1/8 scope host lo  
        valid_lft forever preferred_lft forever  
    inet6 ::1/128 scope host noprefixroute  
        valid_lft forever preferred_lft forever  
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc mq state UP group default  
    link/ether 00:15:5d:46:2e:13 brd ff:ff:ff:ff:ff:ff  
    inet 192.168.1.213/24 brd 192.168.1.255 scope global noprefixroute eth0  
        valid_lft forever preferred_lft forever  
    inet6 fe80::215:5dff:fe46:2e13/64 scope link  
        valid_lft forever preferred_lft forever  
av11@ubuntu24test:~$
```

К заданию со звездочкой вернусь позднее. Сейчас хотелось бы разобраться с остальными заданиями по домашке.