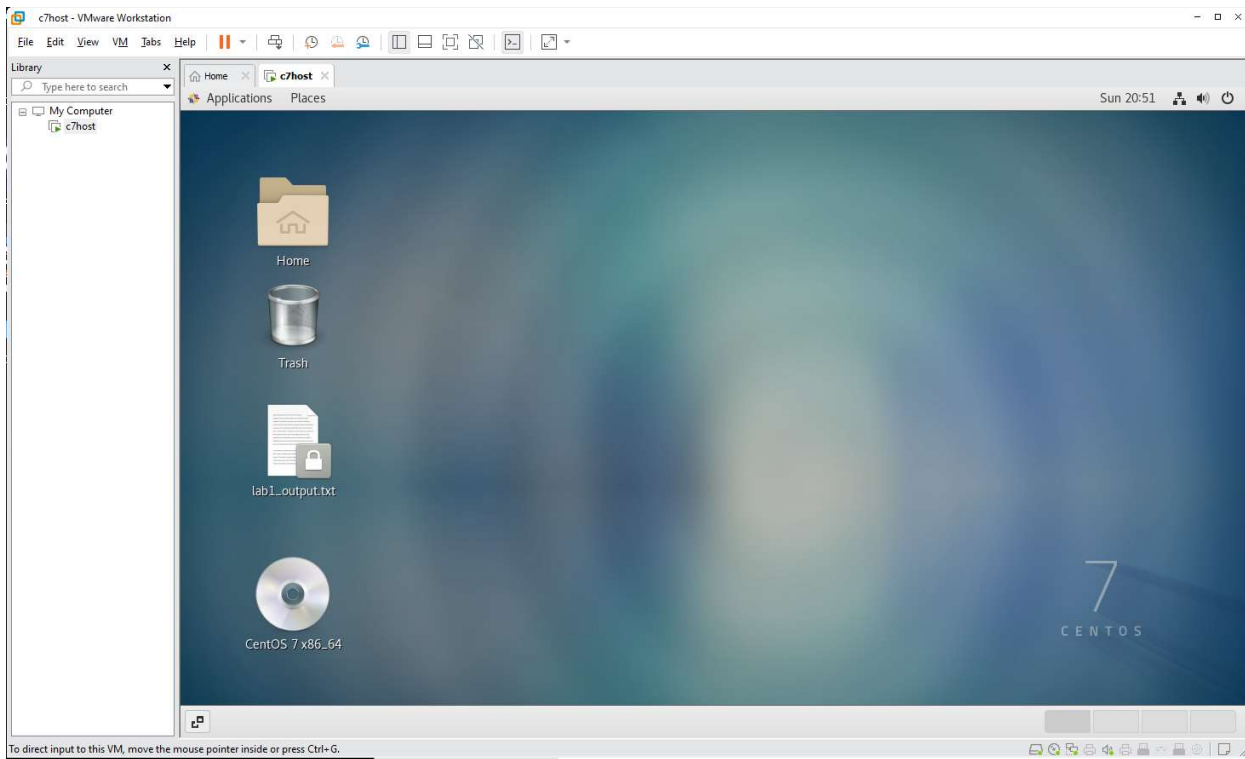


## Investigation 1:

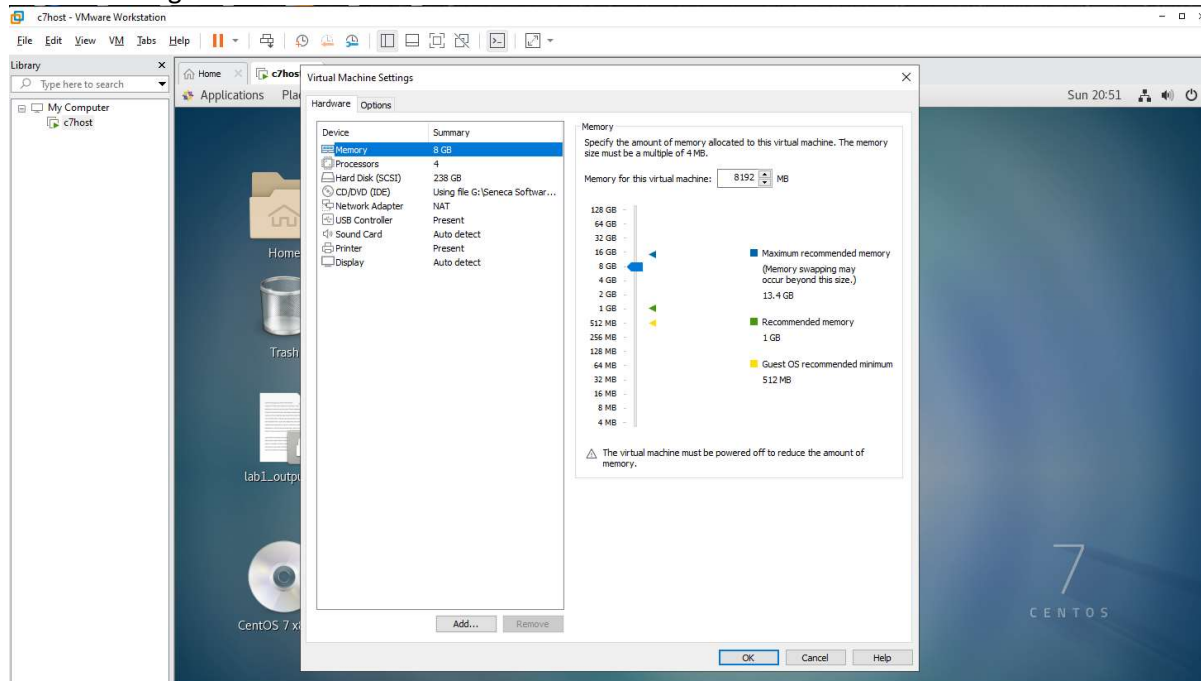
### Common Linux commands:

- cd
- hostname
- gedit
- clear
- ls
- sudo
- cat
- chmod
- pwd

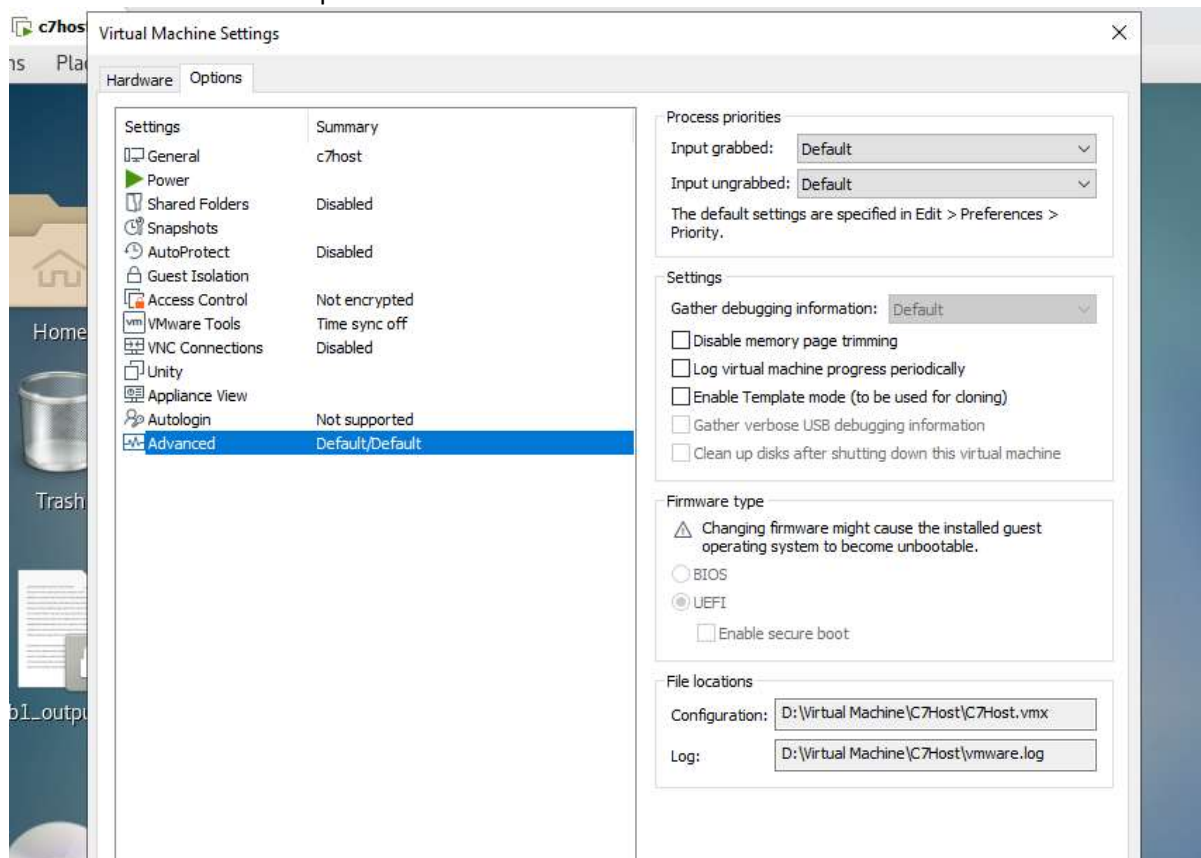
### c7host – CentOS 7 installed



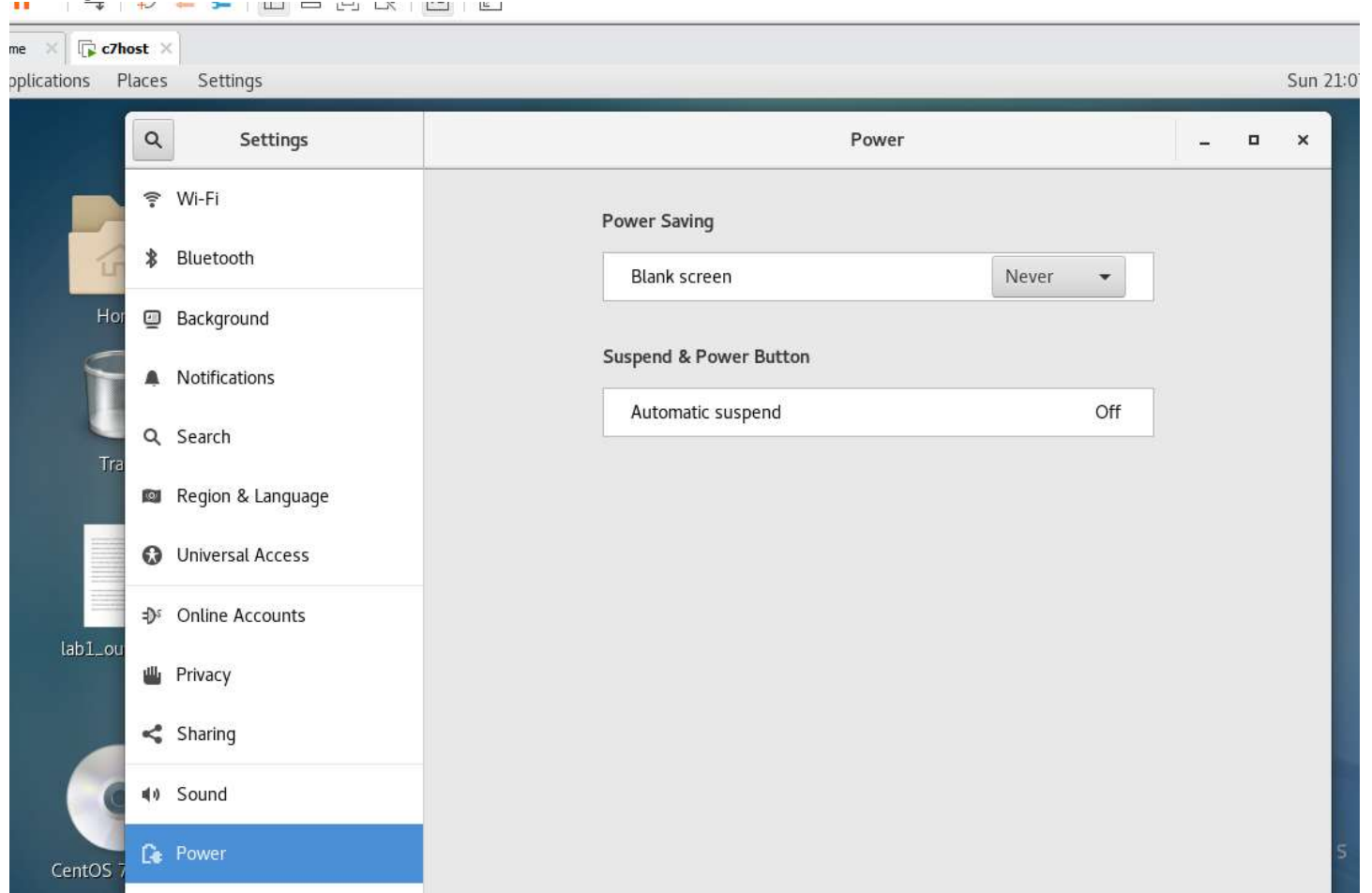
## C7host Settings:



## Virtual Machin Settns > Options> Advance

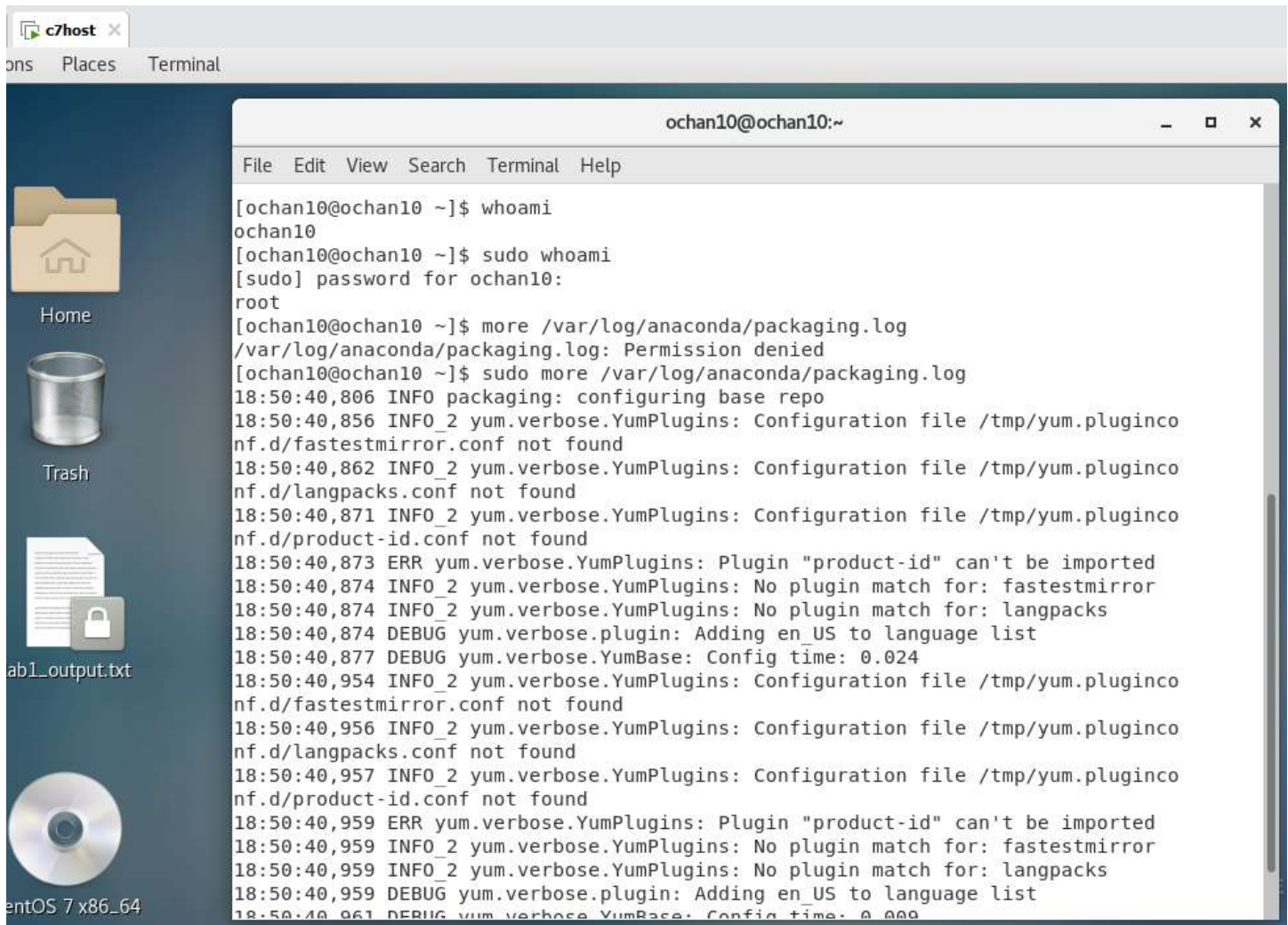


## Investigation 2: Turning off Locked Screen-saver

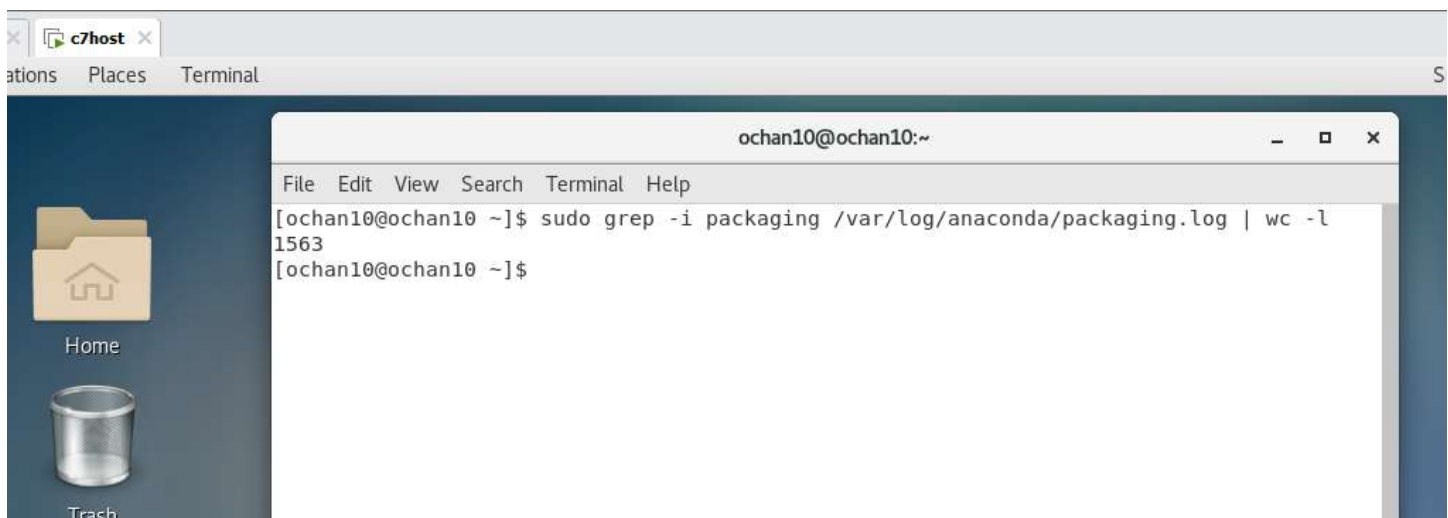


## Commands:

- whoami
- sudo whoami

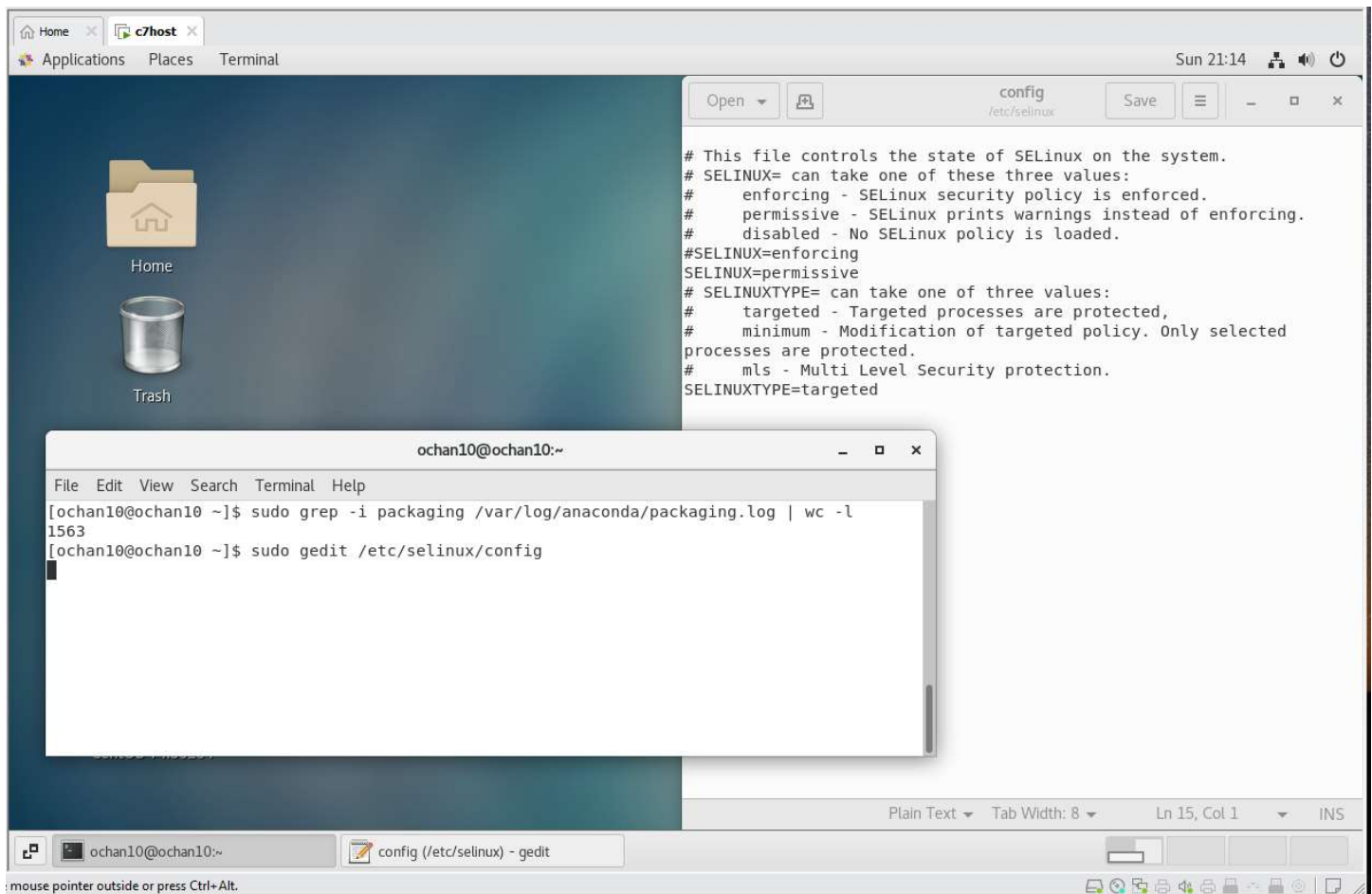


```
ochan10@ochan10:~  
File Edit View Search Terminal Help  
[ochan10@ochan10 ~]$ whoami  
ochan10  
[ochan10@ochan10 ~]$ sudo whoami  
[sudo] password for ochan10:  
root  
[ochan10@ochan10 ~]$ more /var/log/anaconda/packaging.log  
/var/log/anaconda/packaging.log: Permission denied  
[ochan10@ochan10 ~]$ sudo more /var/log/anaconda/packaging.log  
18:50:40,806 INFO packaging: configuring base repo  
18:50:40,856 INFO_2 yum.verbose.YumPlugins: Configuration file /tmp/yum.pluginco  
nf.d/fastestmirror.conf not found  
18:50:40,862 INFO_2 yum.verbose.YumPlugins: Configuration file /tmp/yum.pluginco  
nf.d/langpacks.conf not found  
18:50:40,871 INFO_2 yum.verbose.YumPlugins: Configuration file /tmp/yum.pluginco  
nf.d/product-id.conf not found  
18:50:40,873 ERR yum.verbose.YumPlugins: Plugin "product-id" can't be imported  
18:50:40,874 INFO_2 yum.verbose.YumPlugins: No plugin match for: fastestmirror  
18:50:40,874 INFO_2 yum.verbose.YumPlugins: No plugin match for: langpacks  
18:50:40,874 DEBUG yum.verbose.plugin: Adding en_US to language list  
18:50:40,877 DEBUG yum.verbose.YumBase: Config time: 0.024  
18:50:40,954 INFO_2 yum.verbose.YumPlugins: Configuration file /tmp/yum.pluginco  
nf.d/fastestmirror.conf not found  
18:50:40,956 INFO_2 yum.verbose.YumPlugins: Configuration file /tmp/yum.pluginco  
nf.d/langpacks.conf not found  
18:50:40,957 INFO_2 yum.verbose.YumPlugins: Configuration file /tmp/yum.pluginco  
nf.d/product-id.conf not found  
18:50:40,959 ERR yum.verbose.YumPlugins: Plugin "product-id" can't be imported  
18:50:40,959 INFO_2 yum.verbose.YumPlugins: No plugin match for: fastestmirror  
18:50:40,959 INFO_2 yum.verbose.YumPlugins: No plugin match for: langpacks  
18:50:40,959 DEBUG yum.verbose.plugin: Adding en_US to language list  
18:50:40,961 DEBUG yum.verbose.YumBase: Config time: 0.000
```

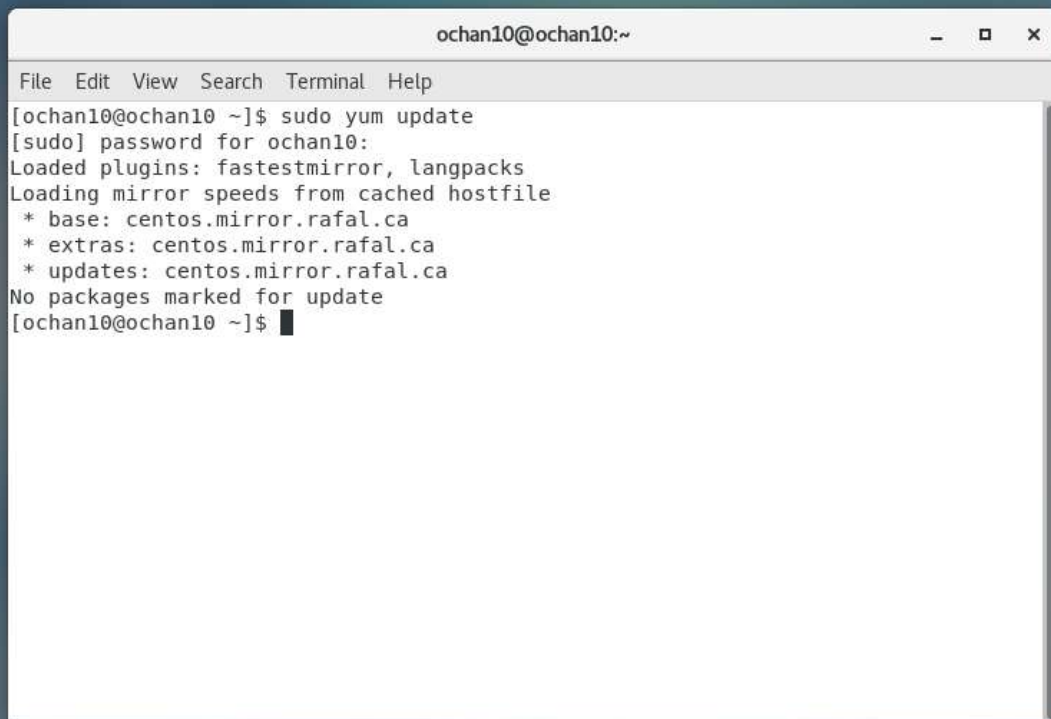


```
ochan10@ochan10:~  
File Edit View Search Terminal Help  
[ochan10@ochan10 ~]$ sudo grep -i packaging /var/log/anaconda/packaging.log | wc -l  
1563  
[ochan10@ochan10 ~]$
```

## Turning off SELinux



sudo yum update

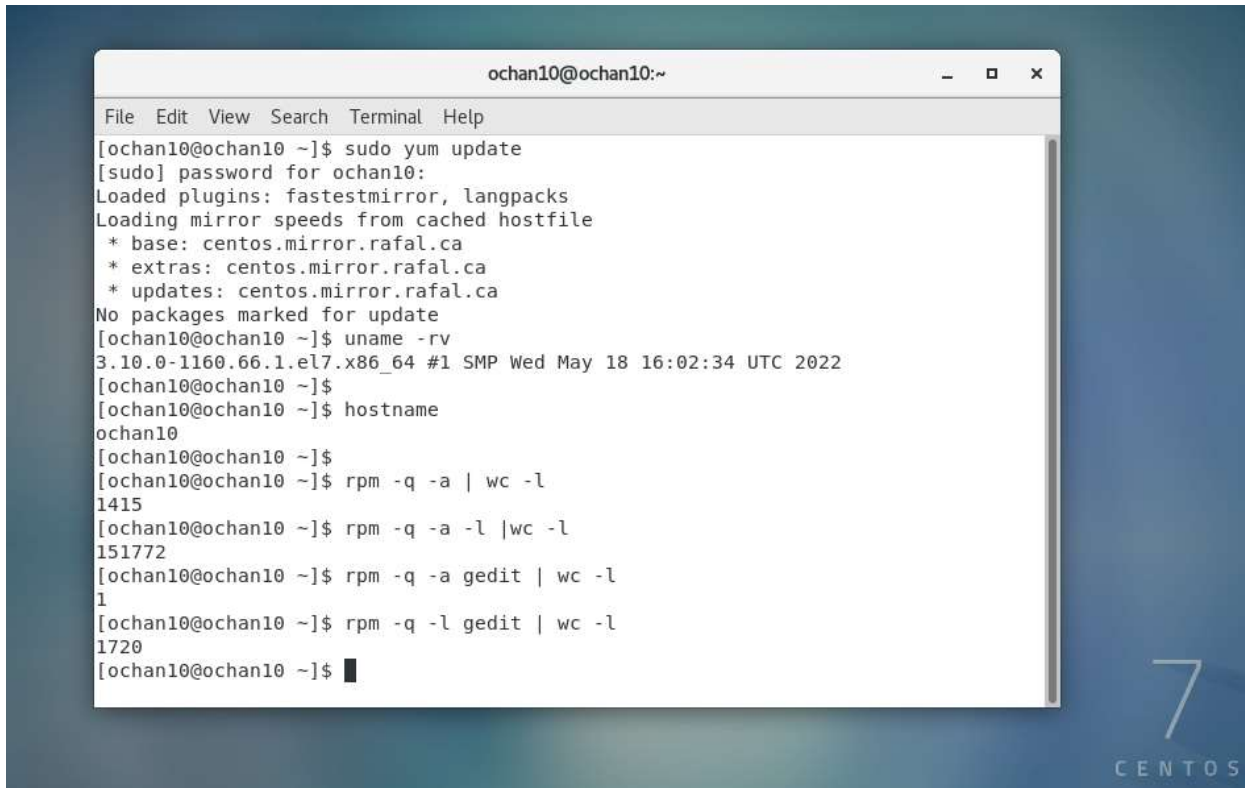
A terminal window titled 'ochan10@ochan10:~' with standard window controls. The terminal shows the execution of 'sudo yum update'. It prompts for a password, lists loaded plugins ('fastestmirror', 'langpacks'), and shows mirror speeds from a cached hostfile. The mirrors listed are 'base: centos.mirror.rafal.ca', 'extras: centos.mirror.rafal.ca', and 'updates: centos.mirror.rafal.ca'. The final output is 'No packages marked for update', followed by the shell prompt '[ochan10@ochan10 ~]\$' and a cursor.

```
ochan10@ochan10:~  
File Edit View Search Terminal Help  
[ochan10@ochan10 ~]$ sudo yum update  
[sudo] password for ochan10:  
Loaded plugins: fastestmirror, langpacks  
Loading mirror speeds from cached hostfile  
* base: centos.mirror.rafal.ca  
* extras: centos.mirror.rafal.ca  
* updates: centos.mirror.rafal.ca  
No packages marked for update  
[ochan10@ochan10 ~]$
```

### Investigation 3:

#### Commands:

- `uname -rv`
- `hostname`
- `rpm -q -a | wc -l`
- `rpm -q -a -l | wc -l`
- `rpm -q -l gedit | wc -l`



```
ochan10@ochan10:~  
File Edit View Search Terminal Help  
[ochan10@ochan10 ~]$ sudo yum update  
[sudo] password for ochan10:  
Loaded plugins: fastestmirror, langpacks  
Loading mirror speeds from cached hostfile  
* base: centos.mirror.rafal.ca  
* extras: centos.mirror.rafal.ca  
* updates: centos.mirror.rafal.ca  
No packages marked for update  
[ochan10@ochan10 ~]$ uname -rv  
3.10.0-1160.66.1.el7.x86_64 #1 SMP Wed May 18 16:02:34 UTC 2022  
[ochan10@ochan10 ~]$  
[ochan10@ochan10 ~]$ hostname  
ochan10  
[ochan10@ochan10 ~]$  
[ochan10@ochan10 ~]$ rpm -q -a | wc -l  
1415  
[ochan10@ochan10 ~]$ rpm -q -a -l | wc -l  
151772  
[ochan10@ochan10 ~]$ rpm -q -a gedit | wc -l  
1  
[ochan10@ochan10 ~]$ rpm -q -l gedit | wc -l  
1720  
[ochan10@ochan10 ~]$
```

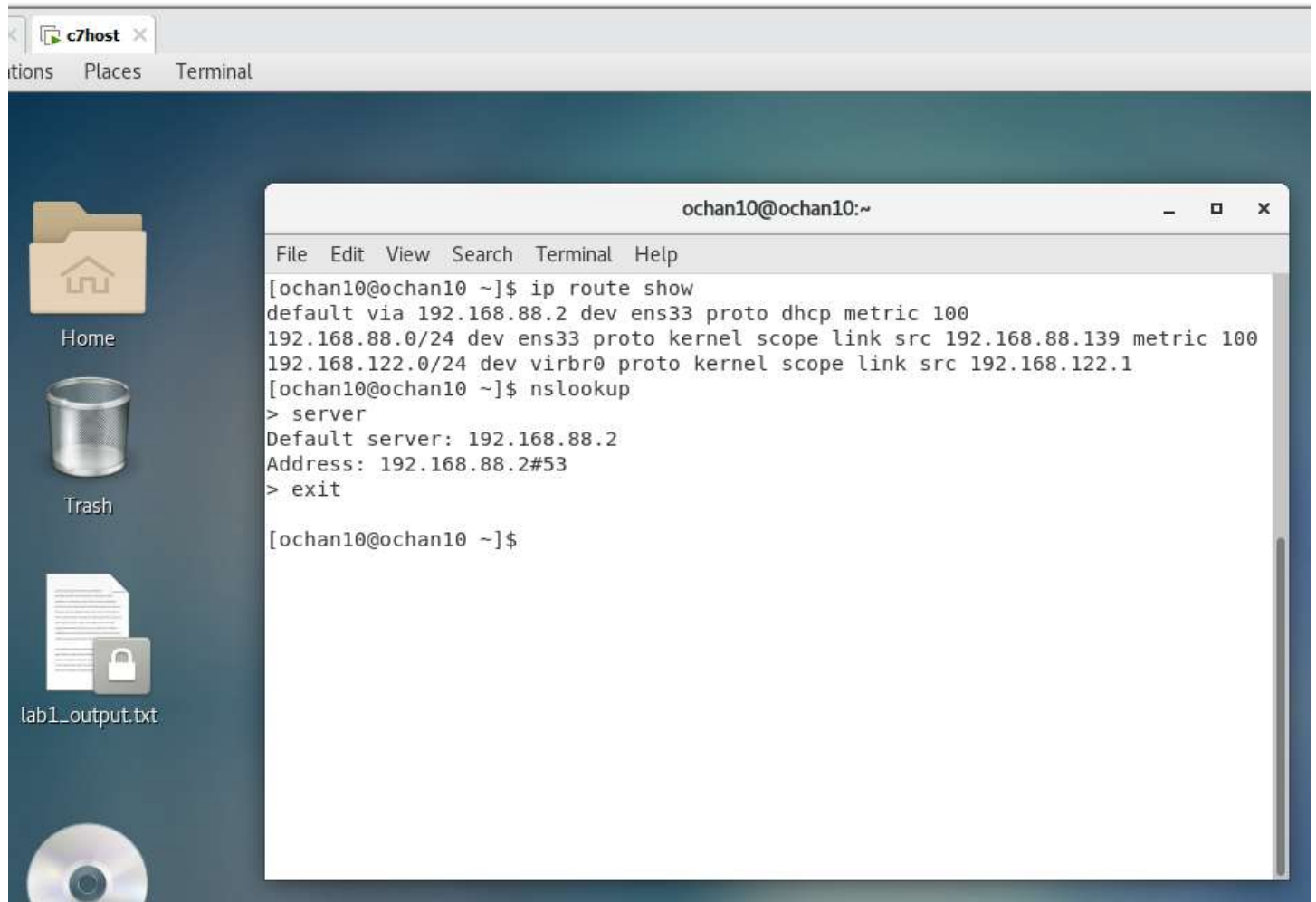


## Ip address show

```
ochan10@ochan10:~  
File Edit View Search Terminal Help  
[ochan10@ochan10 ~]$ ip address show  
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000  
    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  
        valid_lft forever preferred_lft forever  
2: ens33: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP group default qlen 1000  
    link/ether 00:0c:29:f6:28:58 brd ff:ff:ff:ff:ff:ff  
    inet 192.168.88.139/24 brd 192.168.88.255 scope global noprefixroute dynamic ens33  
        valid_lft 1371sec preferred_lft 1371sec  
    inet6 fe80::57c0:a8f:e04a:d8ff/64 scope link noprefixroute  
        valid_lft forever preferred_lft forever  
3: virbr0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN group default qlen 1000  
    link/ether 52:54:00:1f:ec:dc brd ff:ff:ff:ff:ff:ff  
    inet 192.168.122.1/24 brd 192.168.122.255 scope global virbr0  
        valid_lft forever preferred_lft forever  
4: virbr0-nic: <BROADCAST,MULTICAST> mtu 1500 qdisc pfifo_fast master virbr0 state DOWN group default qlen 1000  
    link/ether 52:54:00:1f:ec:dc brd ff:ff:ff:ff:ff:ff  
[ochan10@ochan10 ~]$
```



Ip route show  
Nslookup



ochan10@ochan10:~/bin

File Edit View Search Terminal Help

```
[ochan10@ochan10 ~]$ cd ~/bin
```

```
[ochan10@ochan10 bin]$ ls
```

```
lab1-check.bash myreport.py pythonreport.txt report.txt
```

```
[ochan10@ochan10 bin]$ hostname
```

```
ochan10
```

```
[ochan10@ochan10 bin]$ date +%A %B %d, %Y (%I:%M %p)'
```

```
bash: syntax error near unexpected token `('
```

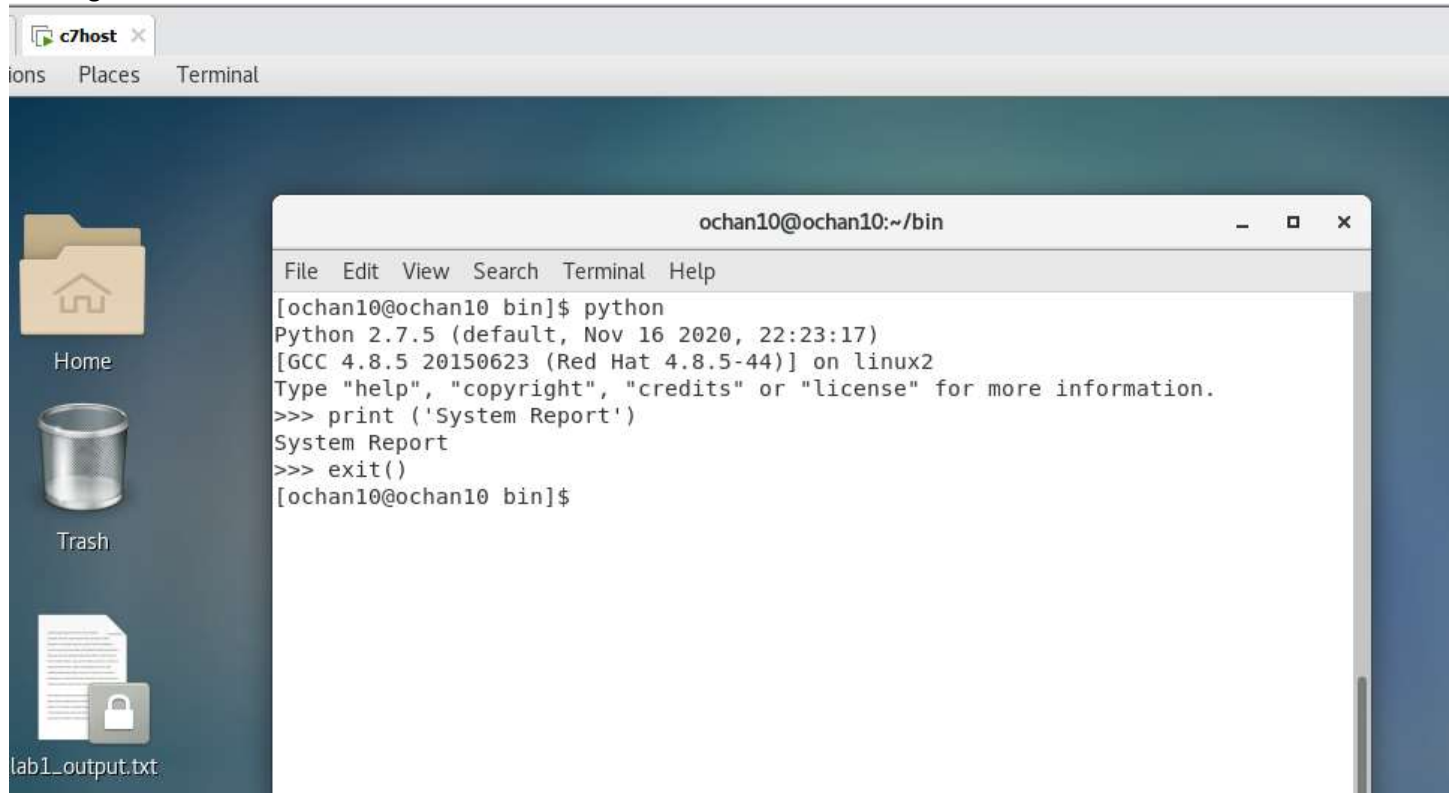
```
[ochan10@ochan10 bin]$ date +%A %B %d, %Y (%I:%M %p)'
```

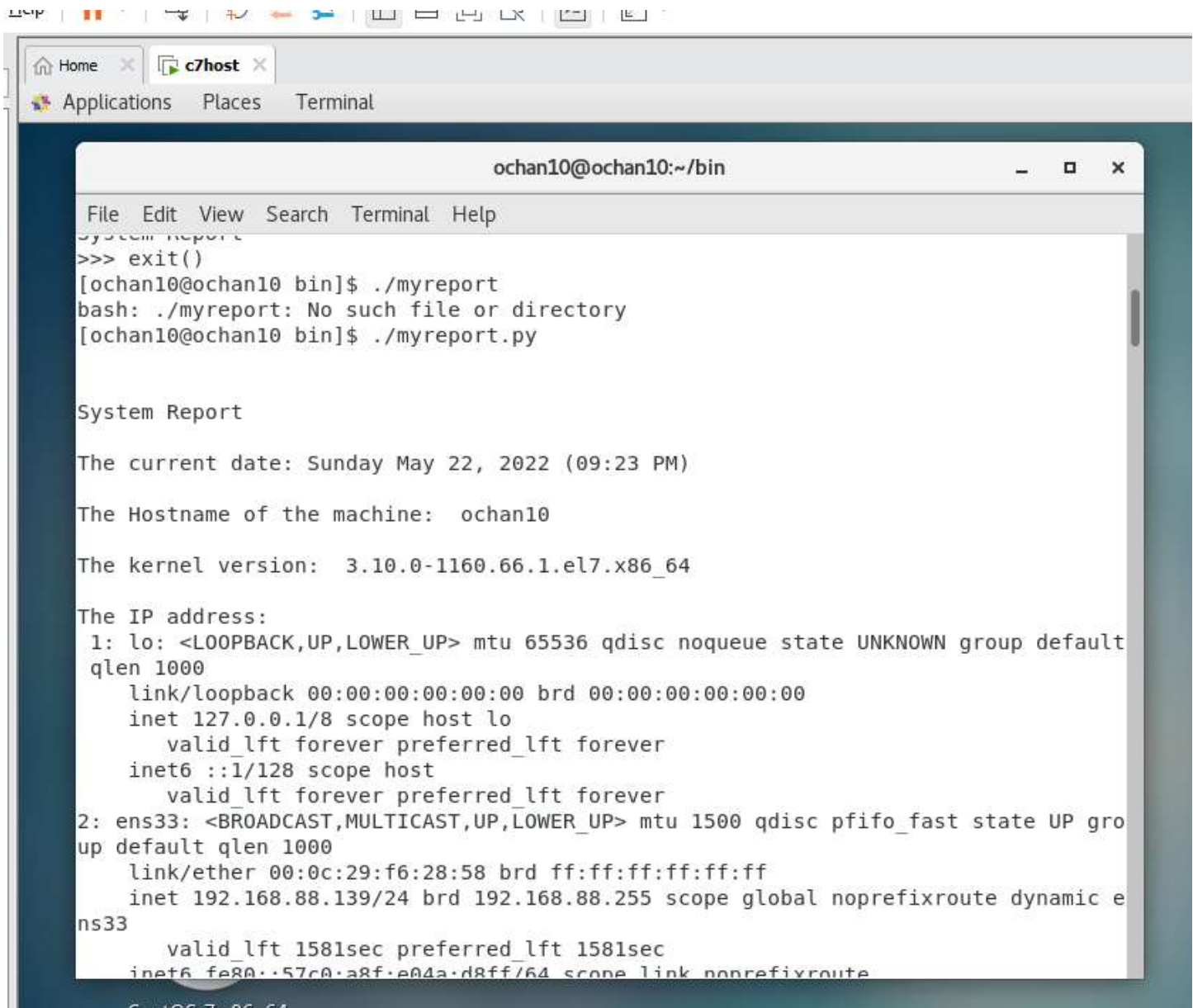
```
Sunday May 22, 2022 (09:20 PM)
```

```
[ochan10@ochan10 bin]$ ps aux
```

USER	PID	%CPU	%MEM	VSZ	RSS	TTY	STAT	START	TIME	COMMAND
root	1	0.1	0.0	193952	7076	?	Ss	20:40	0:02	/usr/lib/syste
root	2	0.0	0.0	0	0	?	S	20:40	0:00	[kthreadd]
root	3	0.0	0.0	0	0	?	S	20:40	0:00	[kworker/0:0]
root	4	0.0	0.0	0	0	?	S<	20:40	0:00	[kworker/0:0H]
root	6	0.0	0.0	0	0	?	S	20:40	0:00	[ksoftirqd/0]
root	7	0.0	0.0	0	0	?	S	20:40	0:00	[migration/0]
root	8	0.0	0.0	0	0	?	S	20:40	0:00	[rcu_bh]
root	9	0.0	0.0	0	0	?	S	20:40	0:00	[rcu_sched]
root	10	0.0	0.0	0	0	?	S<	20:40	0:00	[lru-add-drain

## Investigation 4:





The screenshot shows a Linux desktop environment with a terminal window open. The terminal window has a title bar that reads "ochan10@ochan10:~/bin". The terminal content shows a user running a script called "myreport.py". The script outputs a "System Report" with the following details:

```
File Edit View Search Terminal Help
System Report
>>> exit()
[ochan10@ochan10 bin]$ ./myreport
bash: ./myreport: No such file or directory
[ochan10@ochan10 bin]$ ./myreport.py

System Report

The current date: Sunday May 22, 2022 (09:23 PM)

The Hostname of the machine: ochan10

The kernel version: 3.10.0-1160.66.1.el7.x86_64

The IP address:
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default
qlen 1000
    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
        valid_lft forever preferred_lft forever
2: ens33: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP gro
up default qlen 1000
    link/ether 00:0c:29:f6:28:58 brd ff:ff:ff:ff:ff:ff
    inet 192.168.88.139/24 brd 192.168.88.255 scope global noprefixroute dynamic e
ns33
        valid_lft 1581sec preferred_lft 1581sec
    inet6 fe80::57c0:a8f:e04a:d8ff/64 scope link noprefixroute

CentOS 7 x86_64
```