

SOP0006_LINUX_SHELL

Document Version / Détails : Ver 0.1

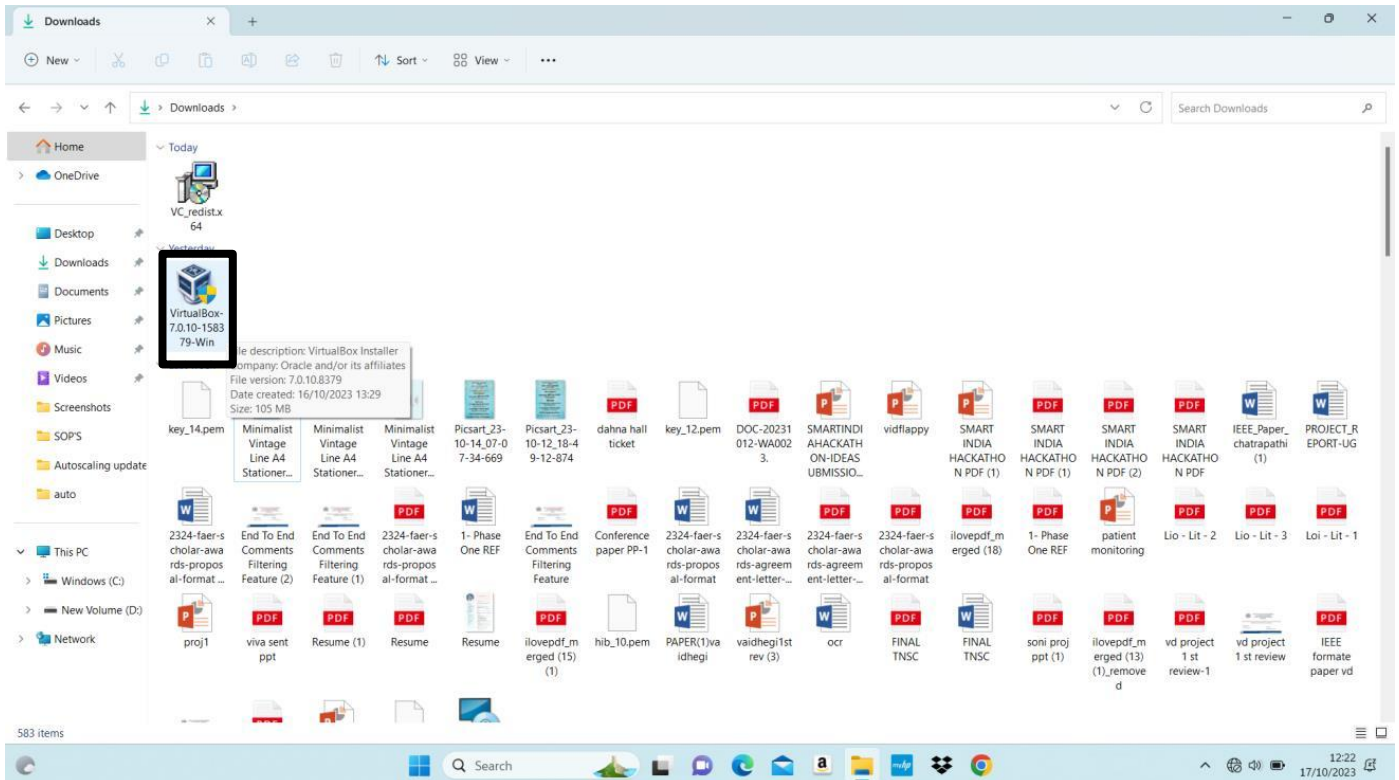


Record of Release

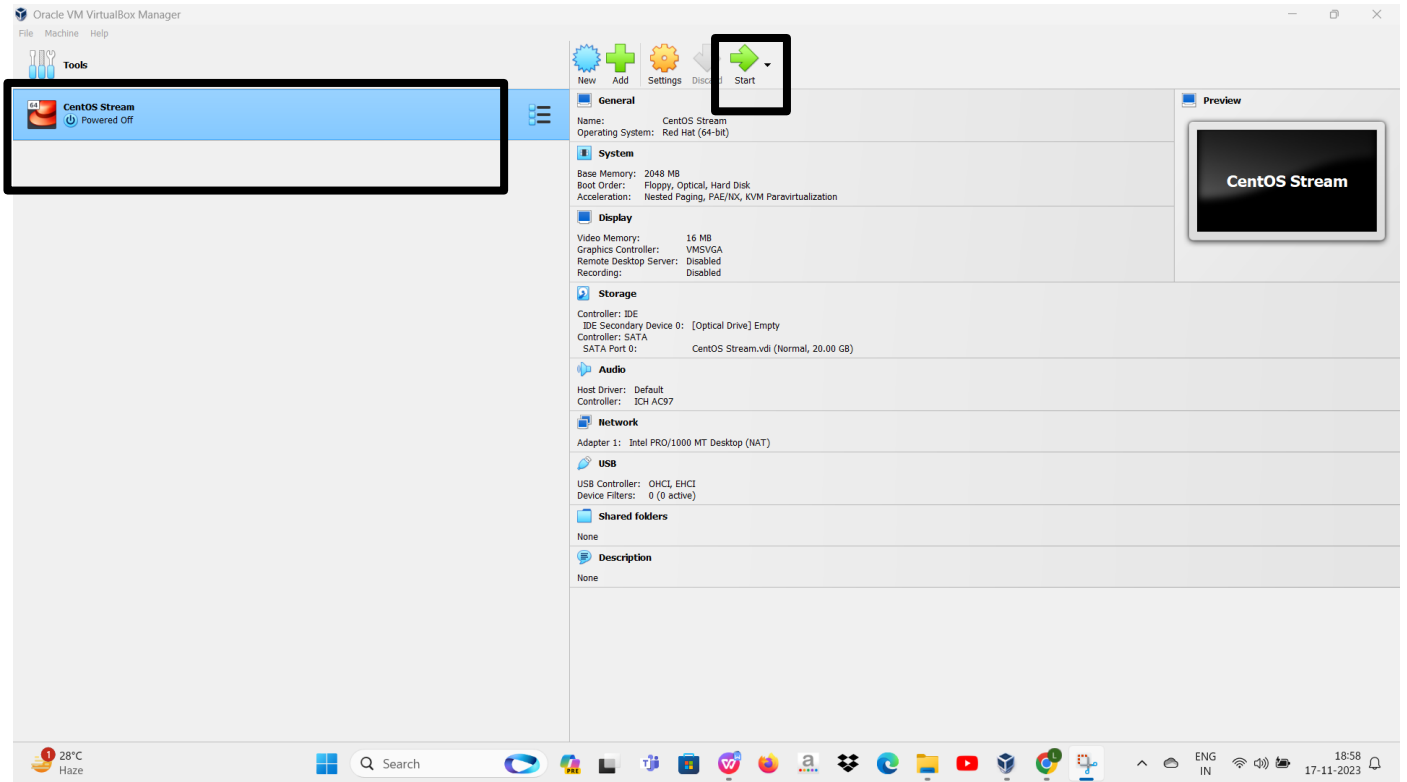
| Version No. | Modified By | Reviewed By | Authorized By | Release Date | Modifications Done |
|-------------|-------------|-------------|---------------|--------------|--------------------|
| 0.1 | | | | | Initial Version |
| 1.0 | | | | | |
| 1.1 | | | | | |

1.0 Objective

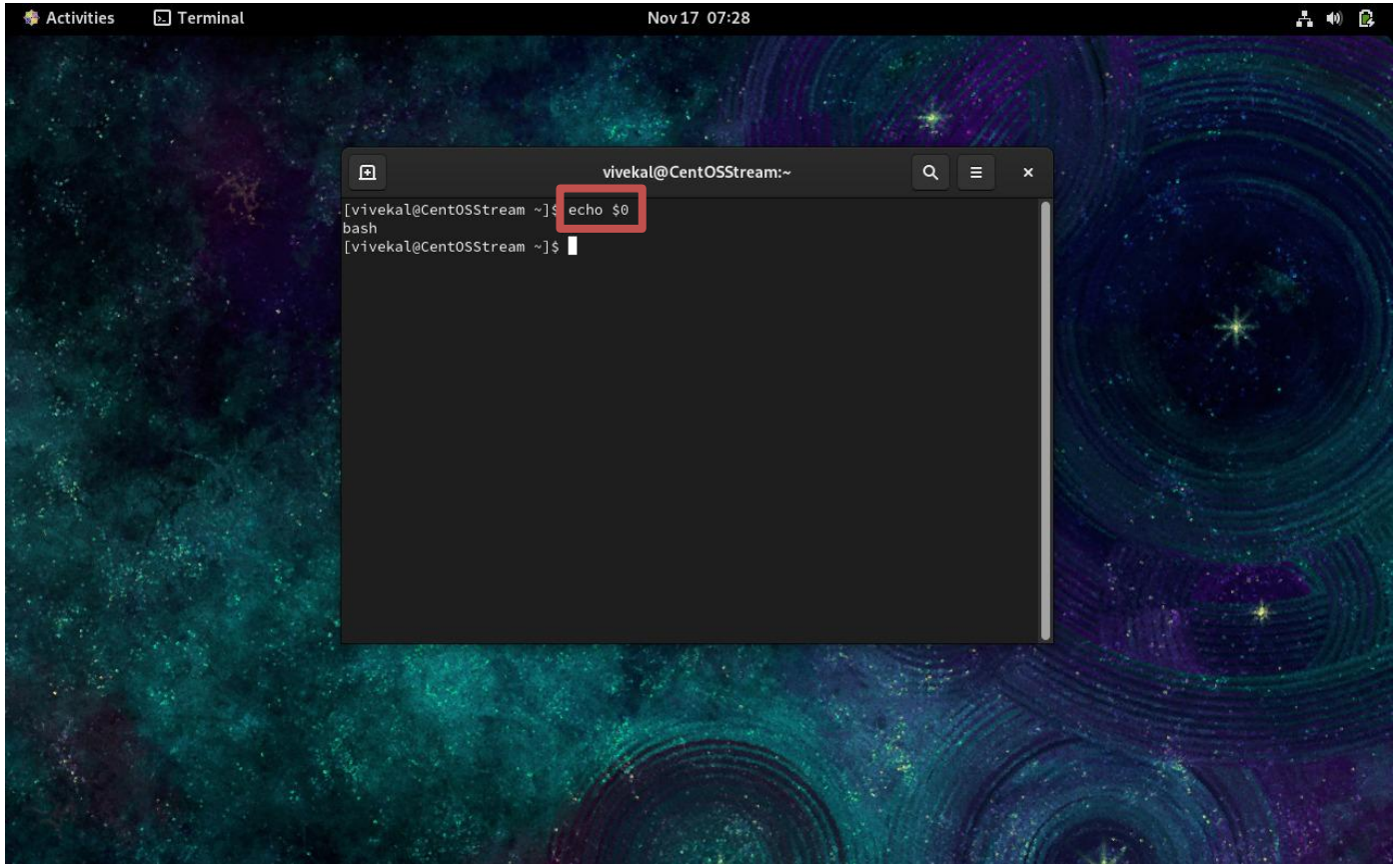
The objective of this document is to the Linux shells.



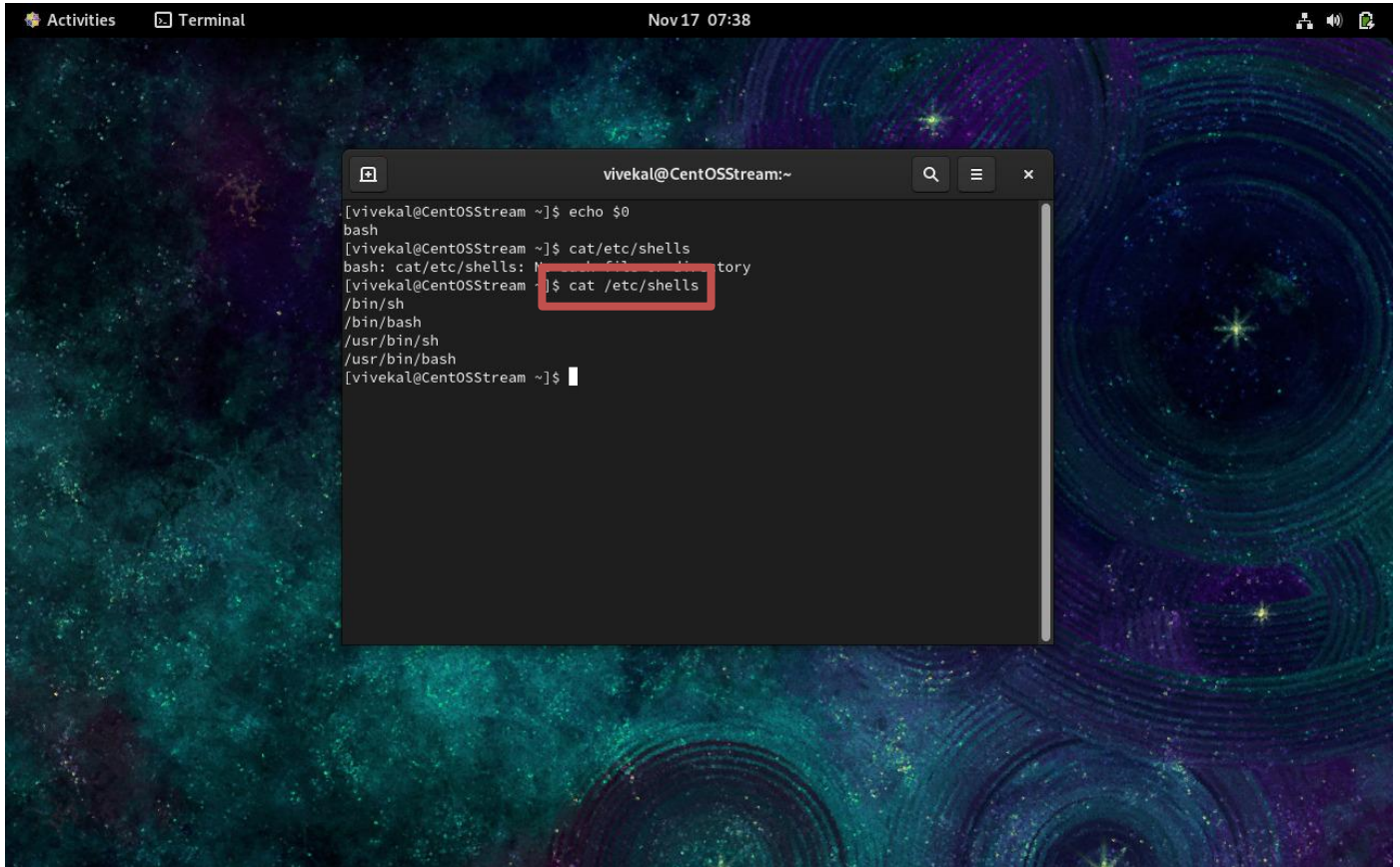
Go to downloads and Click ⑦ downloaded virtual box



To Start the VM.
Click  Start.



- ✓ Open the command prompt (cmd).
- ✓ Type the command “echo \$0 “.

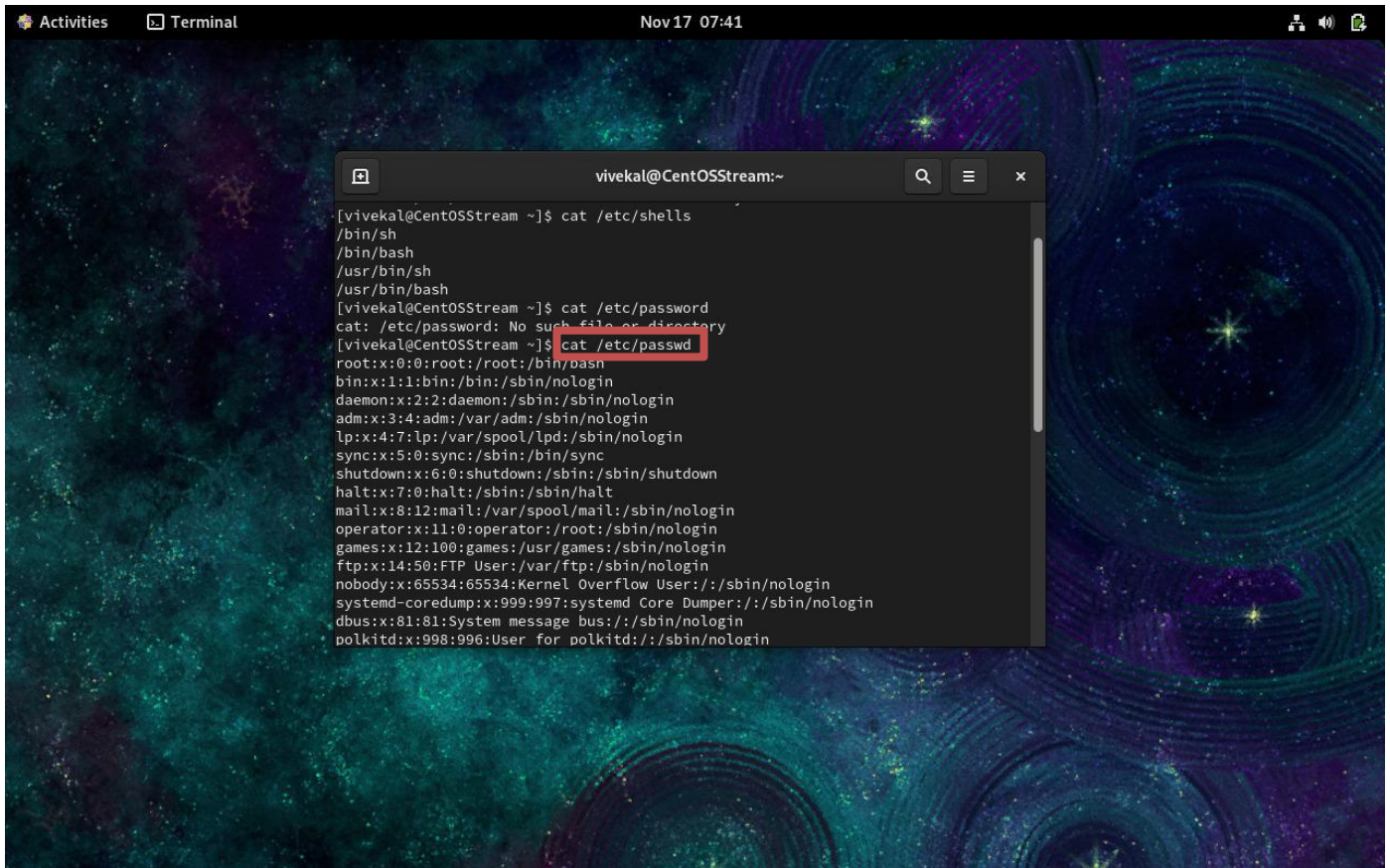


The screenshot shows a terminal window titled "vivekal@CentOSStream:~" with a search, menu, and close icon bar. The terminal output is as follows:

```
[vivekal@CentOSStream ~]$ echo $0
bash
[vivekal@CentOSStream ~]$ cat /etc/shells
bash: cat /etc/shells: No such file or directory
[vivekal@CentOSStream ~]$ cat /etc/shells
/bin/sh
/bin/bash
/usr/bin/sh
/usr/bin/bash
[vivekal@CentOSStream ~]$
```

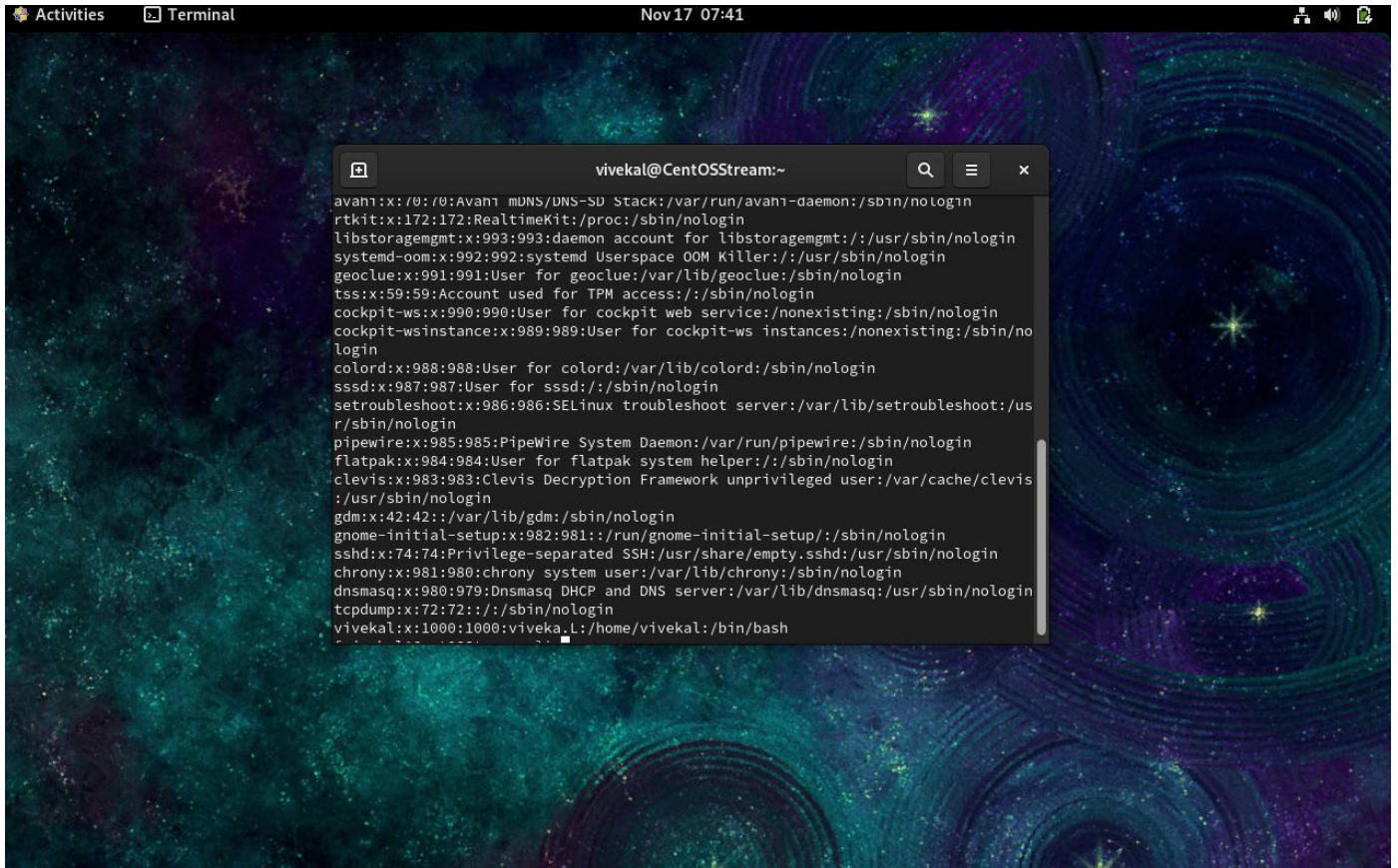
The command `cat /etc/shells` is highlighted with a red rectangle. The output lists the available shells: `/bin/sh`, `/bin/bash`, `/usr/bin/sh`, and `/usr/bin/bash`.

- ✓ Next Type the command “cat /etc/shells”.
- ✓ Click “enter”.
- ✓ Here we can see shell command process.



```
[vivekal@CentOSStream ~]$ cat /etc/shells
/bin/sh
/bin/bash
/usr/bin/sh
/usr/bin/bash
[vivekal@CentOSStream ~]$ cat /etc/passwd
cat: /etc/passwd: No such file or directory
[vivekal@CentOSStream ~]$ cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
bin:x:1:1:bin:/bin:/sbin/nologin
daemon:x:2:2:daemon:/sbin:/sbin/nologin
adm:x:3:4:adm:/var/adm:/sbin/nologin
lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin
sync:x:5:0:sync:/sbin:/bin/sync
shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt
mail:x:8:12:mail:/var/spool/mail:/sbin/nologin
operator:x:11:0:operator:/root:/sbin/nologin
games:x:12:100:games:/usr/games:/sbin/nologin
ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin
nobody:x:65534:65534:Kernel Overflow User:/sbin/nologin
systemd-coredump:x:999:997:systemd Core Dumper:/sbin/nologin
dbus:x:81:81:System message bus:/sbin/nologin
polkitd:x:998:996:User for polkitd:/sbin/nologin
```

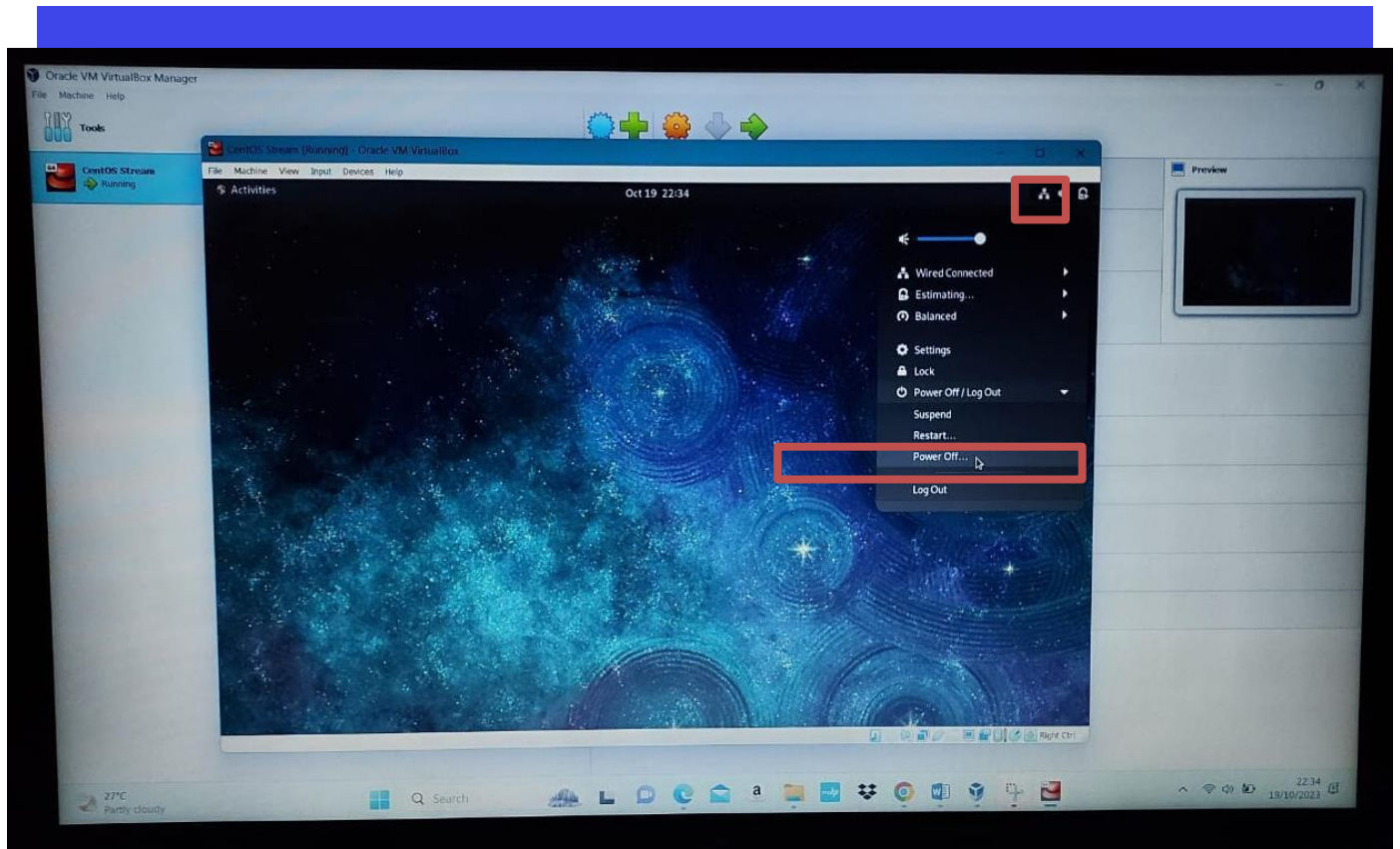
- ✓ Next Type the command “cat /etc/passwd”.
- ✓ Click “enter”.
- ✓ Here we can see shell command process.



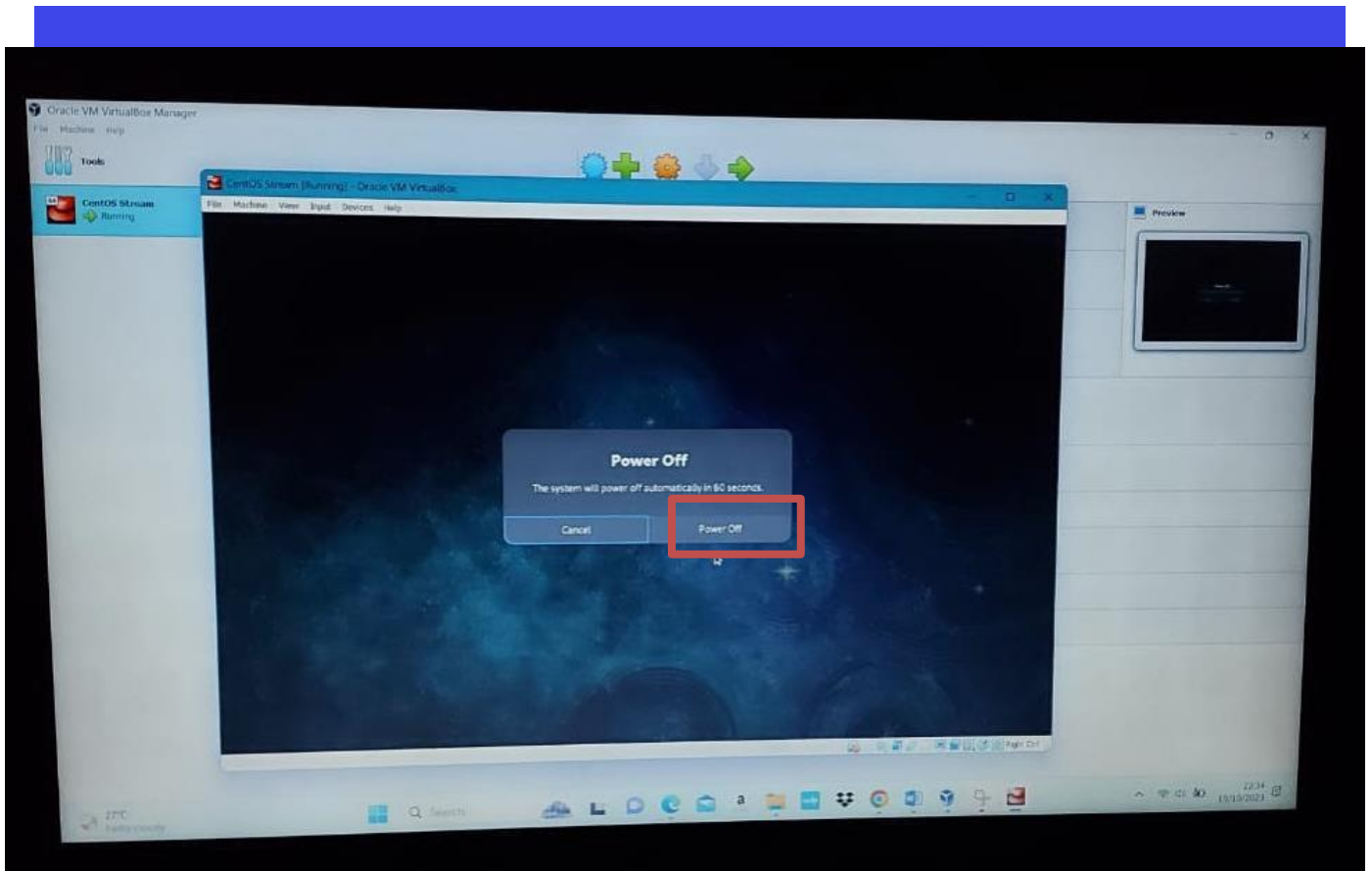
The screenshot shows a Linux desktop environment with a terminal window open. The terminal title is "vivekal@CentOSStream:~". The background is a colorful, abstract pattern. The terminal output lists system users and their details:

```
avahi:x:98:98:Avahi mDNS/DNS-SD Stack:/var/run/avahi-daemon:/sbin/nologin
rtkit:x:172:172:RealtimeKit:/proc:/sbin/nologin
libstoragemgmt:x:993:993:daemon account for libstoragemgmt:/usr/sbin/nologin
systemd-oom:x:992:992:systemd Userspace OOM Killer:/usr/sbin/nologin
geoclue:x:991:991:User for geoclue:/var/lib/geoclue:/sbin/nologin
tss:x:59:59:Account used for TPM access:/sbin/nologin
cockpit-ws:x:990:990:User for cockpit web service:/nonexisting:/sbin/nologin
cockpit-wsinstance:x:989:989:User for cockpit-ws instances:/nonexisting:/sbin/nologin
colord:x:988:988:User for colord:/var/lib/colord:/sbin/nologin
sssd:x:987:987:User for sssd:/sbin/nologin
setroubleshoot:x:986:986:SELinux troubleshoot server:/var/lib/setroubleshoot:/usr/sbin/nologin
pipewire:x:985:985:PipeWire System Daemon:/var/run/pipewire:/sbin/nologin
flatpak:x:984:984:User for flatpak system helper:/sbin/nologin
clevis:x:983:983:Clevis Decryption Framework unprivileged user:/var/cache/clevis:/usr/sbin/nologin
gdm:x:42:42:/var/lib/gdm:/sbin/nologin
gnome-initial-setup:x:982:981:/run/gnome-initial-setup:/sbin/nologin
sshd:x:74:74:Privilege-separated SSH:/usr/share/empty.sshd:/usr/sbin/nologin
chrony:x:981:980:chrony system user:/var/lib/chrony:/sbin/nologin
dnsmasq:x:980:979:Dnsmasq DHCP and DNS server:/var/lib/dnsmasq:/usr/sbin/nologin
tcpdump:x:72:72:/sbin/nologin
vivekal:x:1000:1000:viveka.L:/home/vivekal:/bin/bash
```

✓ Here we can see password process shell command.



You Can PowerOff the Virtual linux OS By clicking ⑦Power off



Click ⑦ Power Off.



THANK YOU