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9/7/2025

IT 100

Lab 3

• Copy parts A, B, and C from Canvas

Part A: Log on to "EACH" system in NDG A+ v4, Lab 1 =

- Gather hardware information using the GUI processes listed below:
 - Task Manager
 - Device Manager
 - · Resource Monitor
 - · System Info
- · Gather hardware information using the command line
 - Research 10 commands that can be run from the command line (ex wmic, systeminfo)

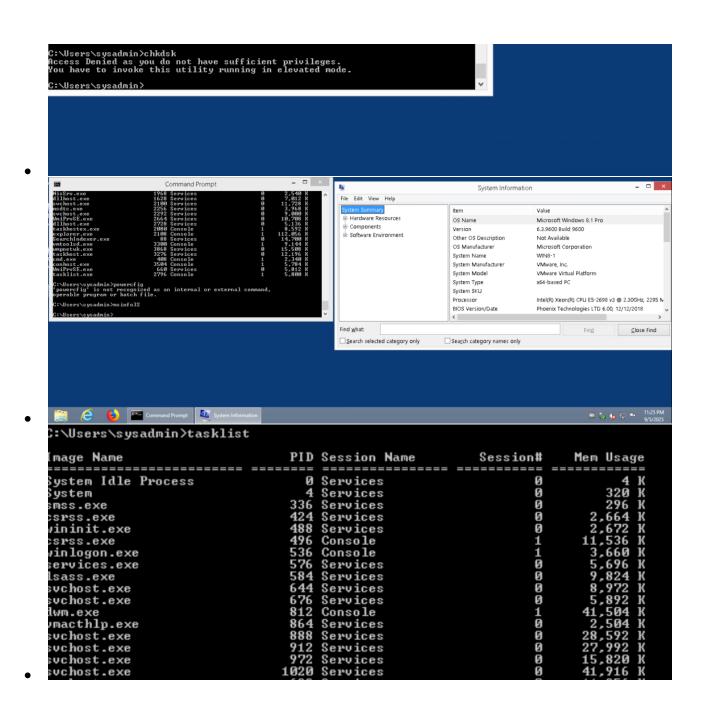
Part A Windows 8:

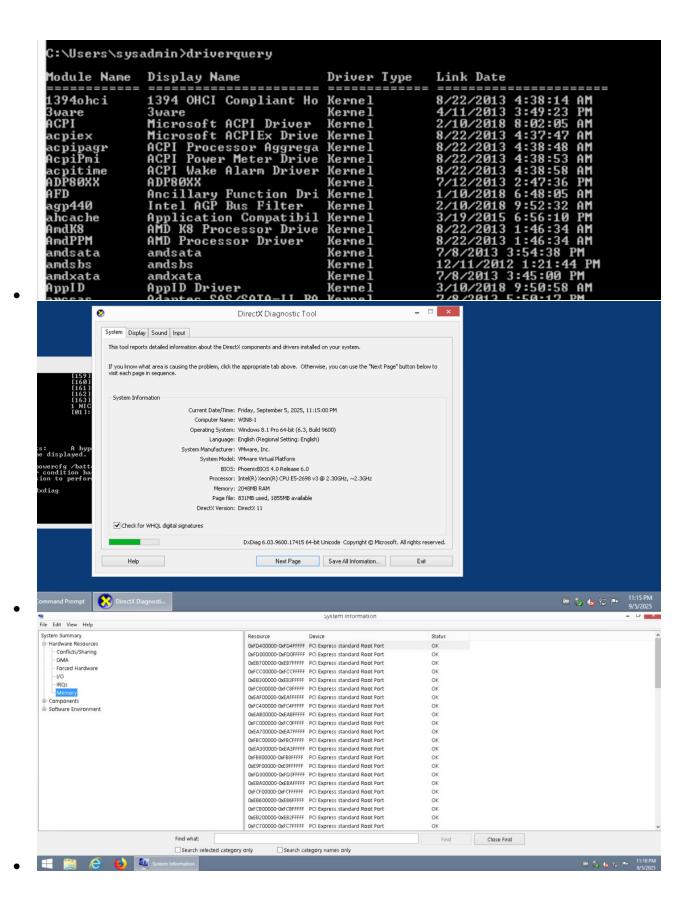
```
TMP=C:\Users\sysadmin\AppData\Local\Temp
USERDOMAIN=HIN8-1
USERDOMAIN_BOAMINGPROFILE=WIN8-1
USERNAME=sysadmin
USERPROFILE=C:\Users\sysadmin
windir=C:\UINDOWS

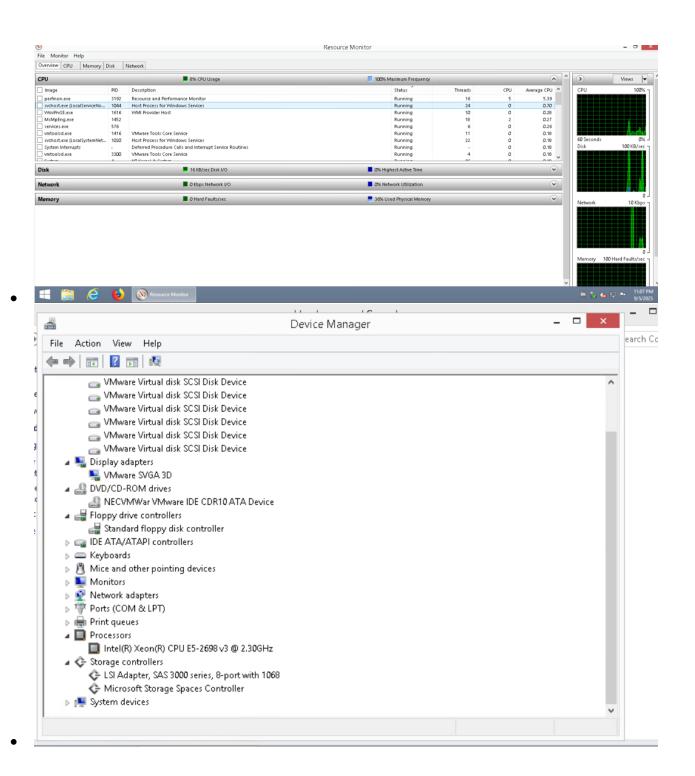
C:\Users\sysadmin>powercfg /energy
This command requires administrator privileges and must be executed from an elevated command prompt.

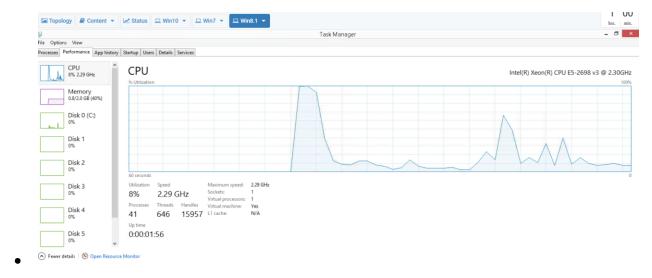
C:\Users\sysadmin>
```

```
Command Prompt
  CH.
       \Users\sysadmin>bcdedit
 The boot configuration data store could not be opened.
Access is denied.
  C:\Users\sysadmin>fsutil
---- Commands Supported -
                                            8dot3name management
Control file system behavior
Manage volume dirty bit
File specific commands
File system information
Hardlink management
Object ID management
Quota management
Self healing management
Reparse point management
Transactional Resource Manager management
Sparse file control
Transaction management
USN management
Uolume management
  8dot3name
  behavior
  dirty
file
  fsinfo
hardlink
objectid
  quota
  repair
   reparsepoint
   resource
  sparse
  transaction
  แรก
                                             Volume management
Transparent wim hosting management
  vo lume
  C:\Users\sysadmin>_
    C:\Users\sysadmin>bcdedit
   The boot configuration data store could not be opened.
    Access is denied.
    C:\Users\sysadmin>_
    C:\Users\sysadmin>echo %PROCESSOR_IDENTIFIER%
Intel64 Family 6 Model 63 Stepping 2, GenuineIntel
    C:\Users\sysadmin>
:\Users\sysadmin>set
LLUSERSPROFILE=C:\ProgramData
PPDATA=C:\Users\sysadmin\AppData\Roaming
ommonProgramFiles=C:\Program Files\Common Files
ommonProgramFiles(x86)=C:\Program Files (x86)\Common Files
ommonProgramW6432=C:\Program Files\Common Files
ommonProgramW6432=C:\Program Files\Common Files
omPUTERNAME=WIN8-1
omSpec=C:\WINDOWS\system32\cmd.exe
P_NO_HOST_CHECK=NO
OMEDRIUE=C:
OMEDRIUE=C:
OMEPATH=\Users\sysadmin
OCALAPPDATA=C:\Users\sysadmin\AppData\Local
OGONSERUER=\\WIN8-1
UMBER_OF_PROCESSORS=1
S=\Windows_NT
UMBER_OF_PROCESSORS = 1
S = Windows_NT
ath = C:\WINDOWS\system32;C:\WINDOWS;C:\WINDOWS\System32\Wbem;C:\WINDOWS\System32
WindowsPowerShell\v1.0\
ATHEXT = .COM; .EXE; .BAT; .CMD; .UBS; .UBE; .JS; .JSE; .WSF; .WSH; .MSC
ROCESSOR_ARCHITECTURE = AMD64
ROCESSOR_IDENTIFIER = Intel64 Family 6 Model 63 Stepping 2, GenuineIntel
ROCESSOR_LEUEL = 6
ROCESSOR_REUISION = 3f02
rogramData = C:\ProgramData
```



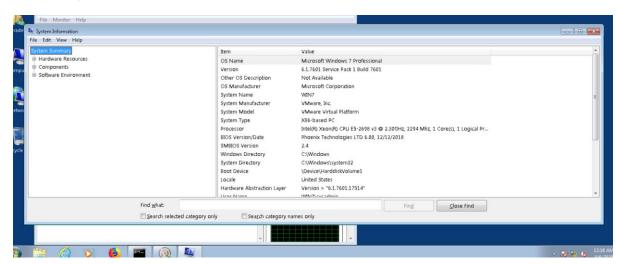


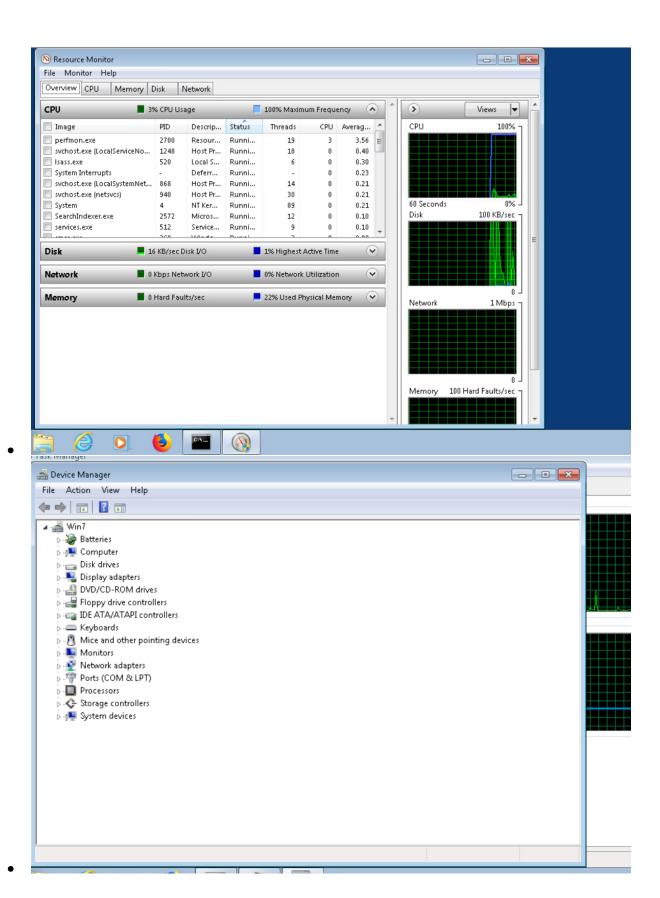


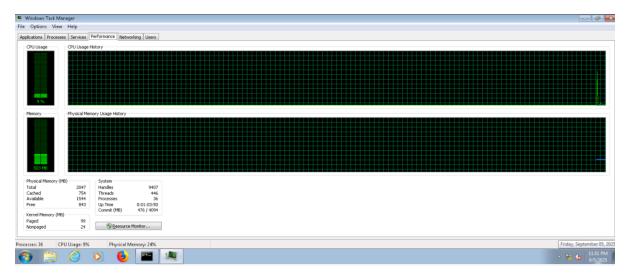


I did the 10 commands on windows 8 as you said that only have to do it on one system and screenshotted with all the running commands

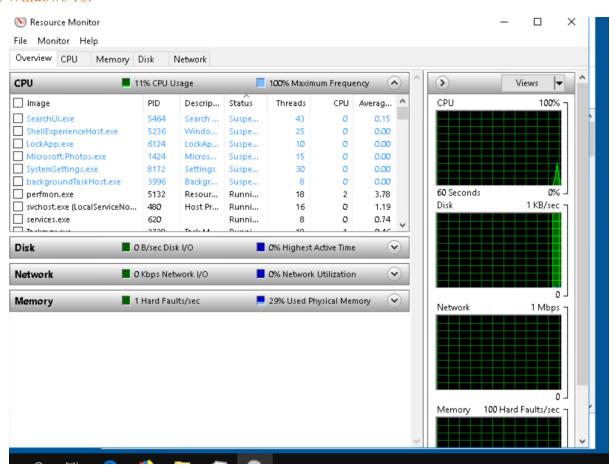
Part A Windows 7:

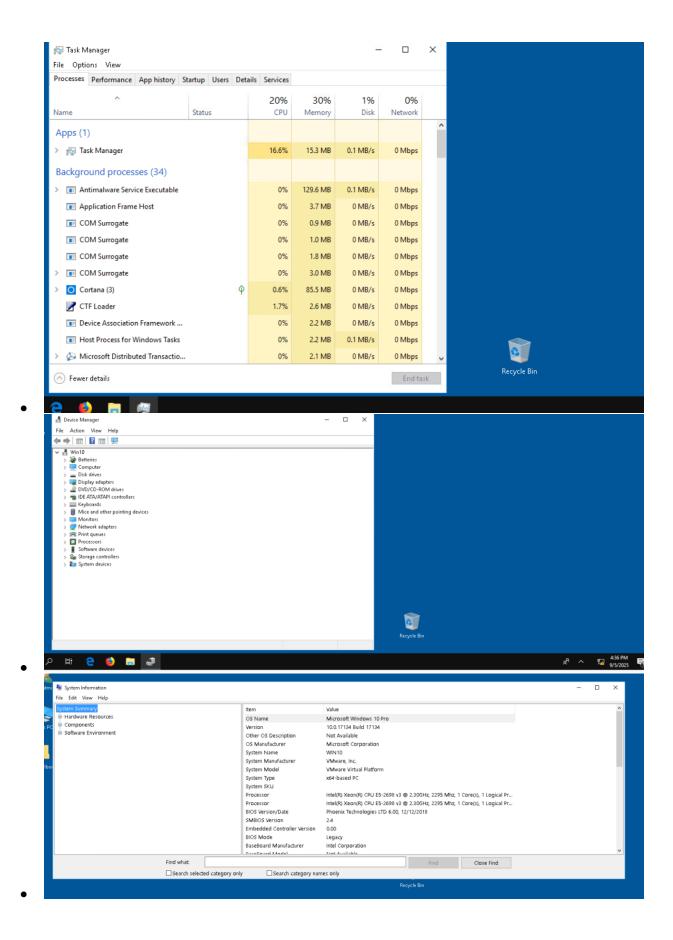






Part A Windows 10:





Part B: Log on to "EACH" system in NISGTC Linux+ Series 1, Lab ₱1

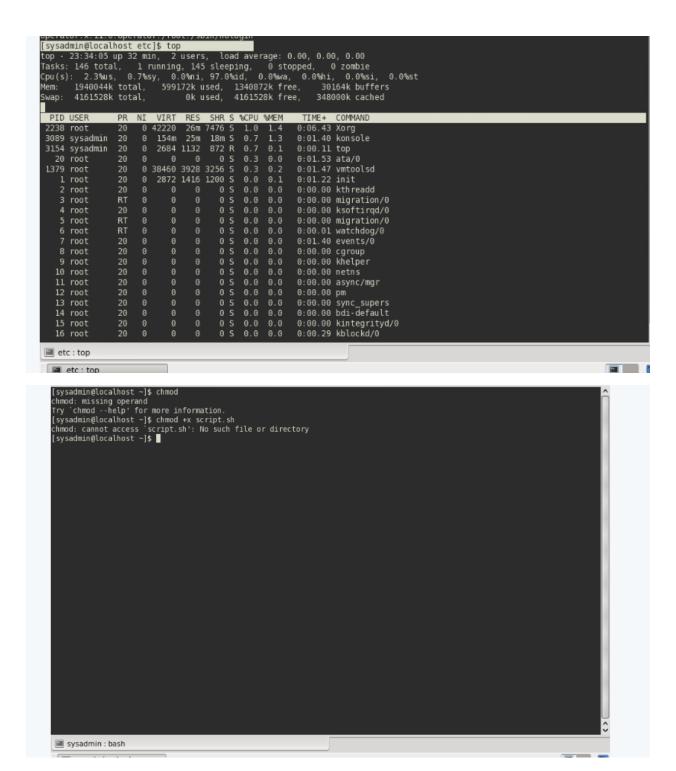
· Research 10 commands that can be run from the Linux Terminal and run them on "EACH" system

CentOs

```
[sysadmin@localhost etc]$ cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
bin:x:1:1:bin:/bin:/sbin/hologin
daemon:x:2:2:daemon:/sbin:/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/hologin
sync:x:5:0:shutdown:/sbin:/sbin/halt
mail:x:8:12:mail:/var/spool/mail:/sbin/nologin
uucp:x:10:14:uucp:/var/spool/mail:/sbin/nologin
games:x:12:10:games:/usr/games:/sbin/nologin
games:x:12:100:games:/usr/games:/sbin/nologin
gopher:x:13:30:gopher:/var/spool/mail:/sbin/nologin
ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin
ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin
subus:x:8:18:System message bus://sbin/nologin
avahi-autoipd:x:170:170:Avahi IPv4LL Stack:/var/lib/avahi-autoipd:/sbin/nologin
vcsa:x:60:69:virtual console memory owner:/dev:/sbin/nologin
rp:x:32:32:Rpcbind Daemon:/var/cache/rpcbind:/sbin/nologin
rtki:x:498:76:*Saslauthd user':/var/empty/saslauth:/sbin/nologin
saslauth:x:498:76:*Saslauthd user':/var/empty/saslauth:/sbin/nologin
avahi:x:70:70:Avahi mONS/ONS-SD Stack:/var/tun/avahi-daemon:/sbin/nologin
postfix:x:898:9::var/spool/postfix:/sbin/nologin
saslauth:x:498:76:*Saslauthd user':/var/empty/saslauth:/sbin/nologin
pulse:x:497:496:PulseAudio System Daemon:/var/run/avahi-daemon:/sbin/nologin
puse:x:497:496:PulseAudio System Daemon:/var/run/avahi-daemon:/sbin/nologin
saslauth:x:74:7:497:496-VulseAudio System Daemon:/var/run/pulse:/sbin/nologin
saslauth:x:74:7:497:496-VulseAudio System Daemon:/var/run/pulse:/sbin/nologin
saslauth:x:74:7:497:496-VulseAudio System Daemon:/sar/run/pulse:/sbin/nologin
saslauth:x:74:7:497:496-VulseAudio System Daemon:/sar/run/pulse:/sbin/nologin
saslauth:x:74:7:791-404-demon:/:/sbin/nologin
saslauth:x:74:74:Privilege-separated SSH:/var/empty/sshd:/sbin/nologin
saslauth:x:74:77:Privilege-separated SSH:/var/empty/sshd:/sbin/nologin
```

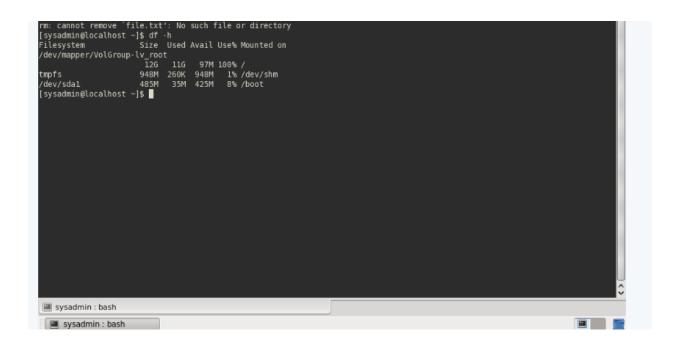
```
[sysadmin@localhost etc]$ yum
Loaded plugins: downloadonly, fastestmirror, refresh-packagekit, security
You need to give some command
Jsage: yum [options] COMMAND
List of Commands:
check Check for problems in the rpmdb
check-update Check for available package updates
clean Remove cached data
deplist List a package's dependencies
distribution-synchronization Synchronize installed packages to the latest available versions
                        downgrade a package
downgrade
                        Remove a package or packages from your system
erase
                        Display details about a package group
Install the packages in a group on your system
groupinfo
groupinstall
                        List available package groups
Remove the packages in a group from your system
grouplist
aroupremove
                        Display a helpful usage message
Display, or use, the transaction history
Display details about a package or group of packages
Install a package or packages on your system
 help
history
info
install
list List a package or groups of packages
load-transaction load a saved transaction from filename
makecache Generate the metadata cache
                        Find what package provides the given value
orovides
                        reinstall a package
reinstall
repolist
                        Display the configured software repositories
                        Determine which package provides the given dependency
Search package details for the given string
resolvedep
 search
search package detaits for the given string
shell Run an interactive yum shell
update Update a package or packages on your system
update-minimal Works like update, but goes to the 'newest' package match which fixes a problem that affects your system
                        Acts on repository update information
Update packages taking obsoletes into account
Display a version for the machine and/or available repos.
 updateinfo
 upgrade
version
```

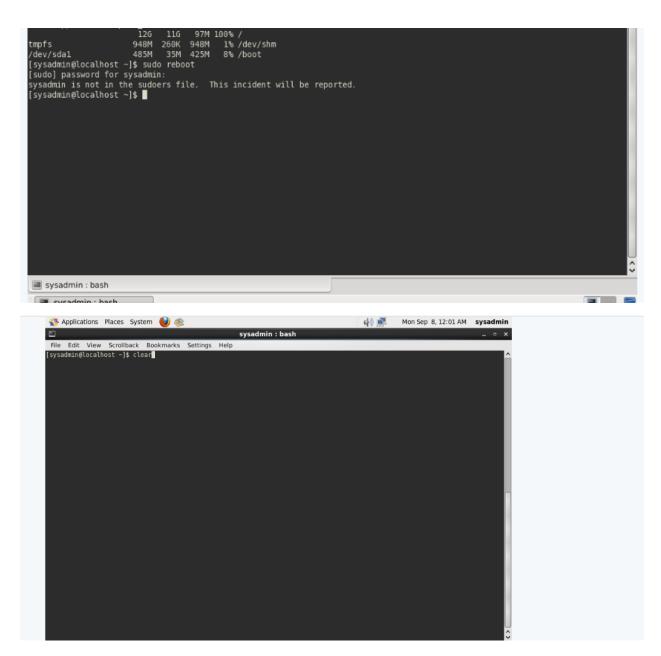




```
[sysadmin@localhost ~]$ rm
rm: missing operand
Try `rm --help' for more information.
[sysadmin@localhost ~]$ rm file.txt
rm: cannot remove `file.txt': No such file or directory
[sysadmin@localhost ~]$ 

### The content of the cont
```





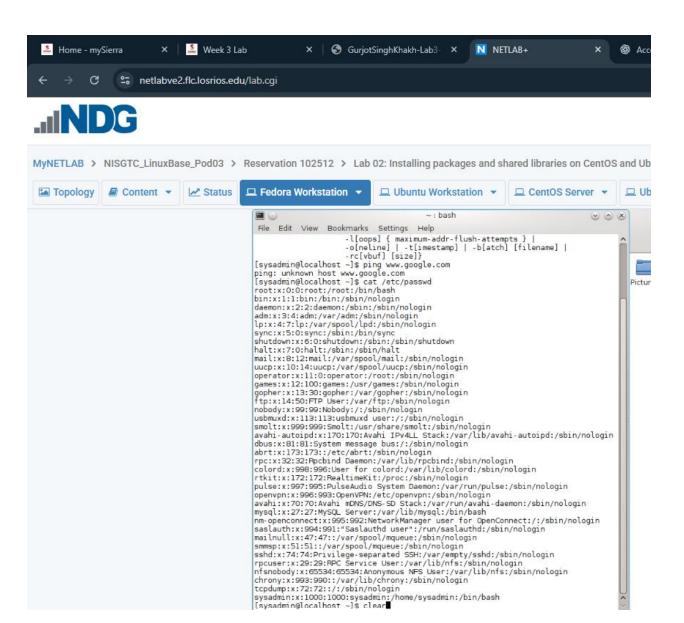
• Fedora Workstation

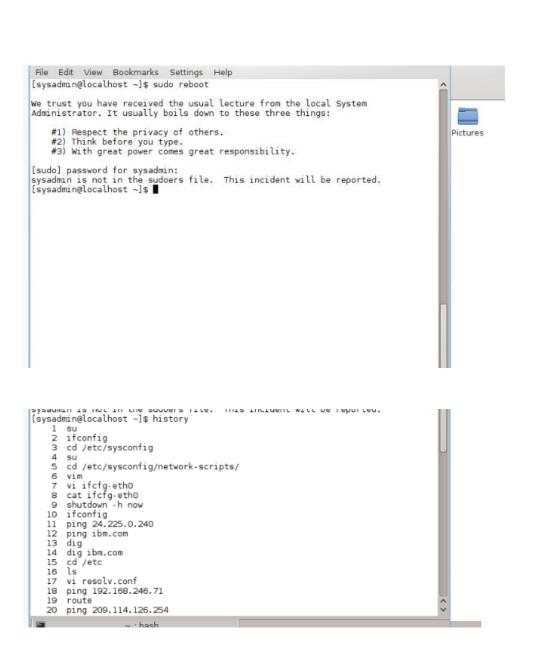
```
-c[neline] | -t[imestamp] | -b[atch] [filename] |
-rc[vbuf] [size]}

[sysadmin@localhost ~]$ ping www.google.com
```

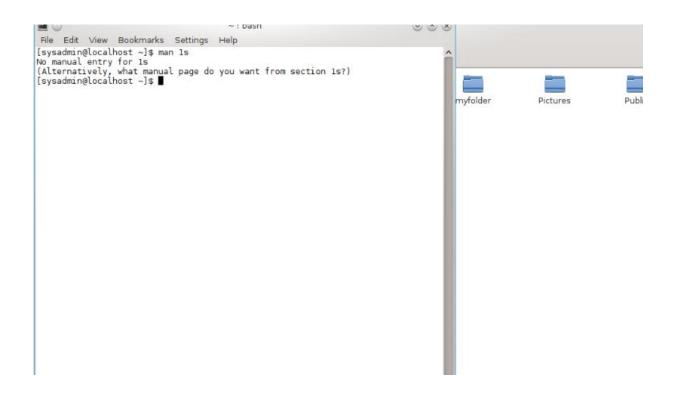
```
[sysadmin@localhost ~]$ cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
 bin:x:1:1:bin:/bin:/sbin/nologin
  daemon:x:2:2:daemon:/sbin:/sbin/nologin
  adm:x:3:4:adm:/var/adm:/sbin/nologin
  lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin
 sync:x:5:0:sync:/sbin:/bin/sync
shutdown:x:6:0:shutdown:/sbin/sbin/shutdown
 halt:x:7:0:halt:/sbin:/sbin/halt
 mail:x:8:12:mail:/var/spool/mail:/sbin/nologin
uucp:x:10:14:uucp:/var/spool/uucp:/sbin/nologin
operator:x:11:0:operator:/root:/sbin/nologin
  games:x:12:100:games:/usr/games:/sbin/nologin
  gopher:x:13:30:gopher:/var/gopher:/sbin/nologin
ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin
  nobody:x:99:99:Nobody:/:/sbin/nologin
 usbmuxd:x:113:13:usbmuxd user:/:/sbin/nologin
smolt:x:999:999:Smolt:/usr/share/smolt:/sbin/nologin
avahi-autoipd:x:170:170:Avahi IPv4LL Stack:/var/lib/avahi-autoipd:/sbin/nologin
 avan-autoipd:X:170:170:Avan1 1PV4LL Stack:/Var/(lb/avan1-autoipd:/sbi
dbus:x:81:81:System message bus:/:/sbin/nologin
abrt:x:173:173::/etc/abrt:/sbin/nologin
rpc:x:32:32:Rpcbind Daemon:/var/lib/rpcbind:/sbin/nologin
colord:x:998:996:User for colord:/var/lib/colord:/sbin/nologin
rtkit:x:172:172:RealtimeKit:/proc:/sbin/nologin
pulse:x:997:995:PulseAudio System Daemon:/var/run/pulse:/sbin/nologin
  openvpn:x:996:993:OpenVPN:/etc/openvpn:/sbin/nologin
openvpn:x:996:993:OpenVPN:/etc/openvpn:/sbin/nologin
avahi:x:70:70:Avahi mDNS/DNS-SD Stack:/var/run/avahi-daemon:/sbin/nologin
mysql:x:27:27:MySQL Server:/var/lib/mysql:/bin/bash
nm-openconnect:x:995:992:NetworkManager user for OpenConnect:/:/sbin/nologin
saslauth:x:994:991:"Saslauthd user":/run/saslauthd:/sbin/nologin
mailnull:x:47:47::/var/spool/mqueue:/sbin/nologin
smmsp:x:51:51::/var/spool/mqueue:/sbin/nologin
sshd:x:74:74:Privilege-separated SSH:/var/empty/sshd:/sbin/nologin
rpcuser:x:29:29:RPC Service User:/var/lib/nfs:/sbin/nologin
nfsnobody:x:65534:65534:Anonymous NFS User:/var/lib/nfs:/sbin/nologin
chrony:x:993:990::/var/lib/chrony:/sbin/nologin
tcpdump:x:72:72::/:/sbin/nologin
  tcpdump:x:72:72::/:/sbin/nologin
```

~ : bash









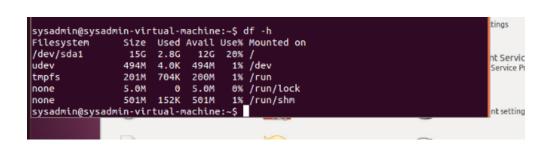
```
[sysadmin@localhost -]$ man history
[sysadmin@localhost -]$ ifconfig
eth0: flags=4163<LIP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.1.3 netmask 255.255.255.0 broadcast 192.168.1.255
    inet6 fe80::250:56ff:fe90:37de prefixlen 64 scopeid 0x20<link>
    ether 00:50:56:90:37:de txqueuelen 1000 (Ethernet)
    RX packets 4481 bytes 271843 (265.4 KiB)
    RX errors 0 dropped 4 overruns 0 frame 0
    TX packets 143 bytes 16726 (16.3 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 16436
    inet 127.0.0.1 netmask 255.0.0.0
    inet6::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 0 (Local Loopback)
    RX packets 44 bytes 4668 (4.5 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 44 bytes 4668 (4.5 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

[sysadmin@localhost ~]$ ■
```

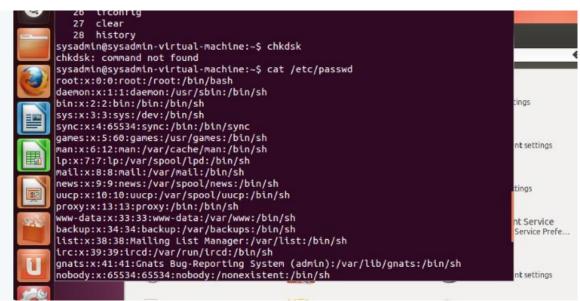
• Ubantu Workstation

```
sysadmin@sysadmin-virtual-machine:~$ ifconfig
           Link encap:Ethernet HWaddr 00:50:56:90:97:94
inet addr:192.168.1.5 Bcast:192.168.1.255 Mask:255.255.255.0
eth0
           inet6 addr: fe80::250:56ff:fe90:9794/64 Scope:Link
           UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
           RX packets:3175 errors:0 dropped:11 overruns:0 frame:0
                                                                                           inas
           TX packets:4881 errors:0 dropped:0 overruns:0 carrier:0
           collisions:0 txqueuelen:1000
           RX bytes:218946 (218.9 KB) TX bytes:284751 (284.7 KB)
                                                                                           nt settings
           Interrupt:18 Base address:0x2024
lo
           Link encap:Local Loopback
           inet addr:127.0.0.1 Mask:255.0.0.0 inet6 addr: ::1/128 Scope:Host
                                                                                           tings
           UP LOOPBACK RUNNING MTU:16436 Metric:1
           RX packets:3542 errors:0 dropped:0 overruns:0 frame:0
                                                                                           nt Service
           TX packets:3542 errors:0 dropped:0 overruns:0 carrier:0
                                                                                           Service Prefe..
           collisions:0 txqueuelen:0
           RX bytes:281649 (281.6 KB) TX bytes:281649 (281.6 KB)
                                                                                           nt settings
sysadmin@sysadmin-virtual-machine:~$
                                                                               Sound
                     Printing
                                                   Privacy
                       ..igure printers
                                                    ...acy and Activity Manager
                                                                                  ...sound events
```

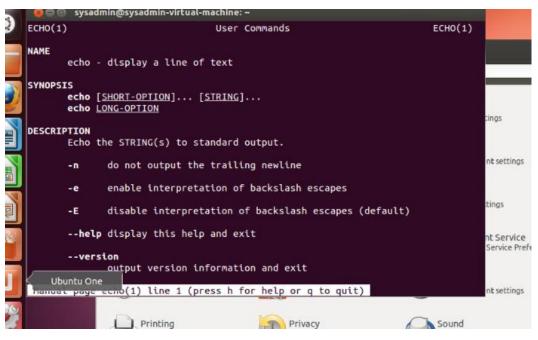


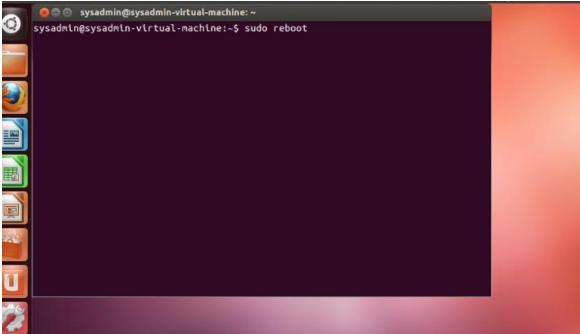
```
sysadmin@sysadmin-virtual-machine:~$ whoami
sysadmin
sysadmin@sysadmin-virtual-machine:~$ ifconfig
           Link encap:Ethernet HWaddr 00:50:56:90:97:94
inet addr:192.168.1.5 Bcast:192.168.1.255 Mask:255.255.255.0
           inet6 addr: fe80::250:56ff:fe90:9794/64 Scope:Link
           UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
           RX packets:3475 errors:0 dropped:11 overruns:0 frame:0
           TX packets:5349 errors:0 dropped:0 overruns:0 carrier:0
                                                                                         tings
           collisions:0 txqueuelen:1000
           RX bytes:238388 (238.3 KB) TX bytes:309739 (309.7 KB)
           Interrupt:18 Base address:0x2024
                                                                                         nt setting
lo
           Link encap:Local Loopback
           inet addr:127.0.0.1 Mask:255.0.0.0 inet6 addr: ::1/128 Scope:Host
                                                                                        tinas
           UP LOOPBACK RUNNING MTU:16436 Metric:1
           RX packets:3814 errors:0 dropped:0 overruns:0 frame:0
           TX packets:3814 errors:0 dropped:0 overruns:0 carrier:0
                                                                                         nt Servic
           collisions:0 txqueuelen:0
                                                                                        Service P
           RX bytes:303737 (303.7 KB) TX bytes:303737 (303.7 KB)
sysadmin@sysadmin-virtual-machine:~$ clear
```

```
sysadmin@sysadmin-virtual-machine:~$ history
        su
        sudo su
        su
        sudo su
                                                                                                      tinas
        sudo su
        ping 24.225.0.240
        ping 192.168.1.1
                                                                                                      nt setting
        ping 192.168.1.1
        dpkg-query -l vim
dpkg-query -s gedite
   10
   11
        dpkg-query -s gedit
                                                                                                      tings
        dpkg-query -S /usr/bin/strace
dpkg-query -L strace
   14
        apt-get download vim
cd /etc/apt/
                                                                                                      nt Servic
   16
                                                                                                      Service P
   17
   18
        vi sources.list
   19
        sudo su
        whoami
                                                                                                      nt setting
```









```
sysadmin@sysadmin-virtual-machine:-$ chmod +xscript.sh chmod: missing operand after `+xscript.sh'
Try `chmod --help' for more information.
sysadmin@sysadmin-virtual-machine:-$
```

• Ubuntu Server

```
sysadmin@ubuntusrv:~$ whoami
sysadmin
```

```
sysadmin@ubuntusrv:~$ df −h
Filesystem
                                      Used Avail Use% Mounted on
                               Size
                                      1.9G
/dev/mapper/ubuntusrv–root
                                15G
                                             13G
                                                    14% /
                                      4.0K
udev
                               494M
                                             494M
                                                     1% /dev
tmpfs
                               201M
                                      224K
                                             201M
                                                     1% /run
                               5.0M
                                             5.0M
                                                     0% /run/lock
none
                                                    0% /run/shm
12% /boot
none
                               501M
                                             501M
/dev/sda1
                               228M
                                       24M
                                             192M
susadmin@uhuntusrv:~$
 er, commana not roana
```

```
sysadmin@ubuntusrv:~$ echo "Hello Gurjot"
Jello Gurjot
Sysadmin@ubuntusrv:~$
J
```

```
apt–get –d install vim
ifconfig
      apt-get –d update
      sudo su
      ping 24.225.0.240
   8
      vim
  10 cd /etc/network
      vi interfaces
  11
      sudo su
  13
      cd /etc/network
  14
      sudo su
  15
      sudo −i
  16
  17
      sudo –i
  18
      exit
  19
      sudo −i
  20
      exit
  21
      sudo –i
  22
23
      exit
      whoami
  24
      ver
  26
      echo "Hello Gurjot"
  27 history
sysadmin@ubuntusrv:~$ history
```

```
sysadmin@ubuntusrv:~$ clear_
```

```
daemon:x:1:1:daemon:/usr/sbin:/bin/sh
bin:x:2:2:bin:/bin:/bin/sh
sys:x:3:3:sys:/dev:/bin/sh
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/bin/sh
man:x:6:12:man:/var/cache/man:/bin/sh
lp:x:7:7:lp:/var/spool/lpd:/bin/sh
mail:x:8:8:mail:/var/mail:/bin/sh
news:x:9:9:news:/var/spool/news:/bin/sh
uucp:x:10:10:uucp:/var/spool/uucp:/bin/sh
proxy:x:13:13:proxy:/bin:/bin/sh
www-data:x:33:33:www-data:/var/www:/bin/sh
backup:x:34:34:backup:/var/backups:/bin/sh
list:x:38:38:Mailing List Manager:/var/list:/bin/sh
irc:x:39:39:ircd:/var/run/ircd:/bin/sh
gnats:x:41:41:Gnats Bug–Reporting System (admin):/var/lib/gnats:/bin/sh
obody:x:65534:65534:nobody:/nonexistent:/bin/sh
libuuid:x:100:101::/var/lib/libuuid:/bin/sh
syslog:x:101:103::/home/syslog:/bin/false
messagebus:x:102:105::/var/run/dbus:/bin/false
whoopsie:x:103:106::/nonexistent:/bin/false
landscape:x:104:109::/var/lib/landscape:/bin/false
sshd:x:105:65534::/var/run/sshd:/usr/sbin/nologin
sysadmin:x:1000:1000:sysadmin,,,:/home/sysadmin:/bin/bash
susadmin@uhuntusrv:~$
```

```
ipconfig: command not found
sysadmin@ubuntusrv:~$ ifconfig
          Link encap:Ethernet HWaddr 00:50:56:90:36:ec
inet addr:192.168.1.4 Bcast:192.168.1.255 Mask:255.255.255.0
eth0
           inet6 addr: fe80::250:56ff:fe90:36ec/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
          RX packets:7213 errors:0 dropped:23 overruns:0 frame:0
           TX packets:6 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:432799 (432.7 KB) TX bytes:468 (468.0 B)
           Interrupt:18 Base address:0x2000
10
          Link encap:Local Loopback
           inet addr:127.0.0.1 Mask:255.0.0.0
           inet6 addr: ::1/128 Scope:Host
          UP LOOPBACK RUNNING MTU:16436 Metric:1
          RX packets:40 errors:0 dropped:0 overruns:0 frame:0
           TX packets:40 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:3008 (3.0 KB) TX bytes:3008 (3.0 KB)
```

```
IFCONFIG(8)
                                   Linux Programmer's Manual
                                                                                       IFCONFIG(8)
NAME
         ifconfig – configure a network interface
SYNOPSIS
         ifconfig [-v] [-a] [-s] [interface]
ifconfig [-v] interface [aftype] options | address ...
         Ifconfig is used to configure the kernel-resident network interfaces.
         It is used at boot time to set up interfaces as necessary. After that, it is usually only needed when debugging or when system tuning is
         needed.
         If no arguments are given, ifconfig displays the status of the cur-
        rently active interfaces. If a single interface argument is given, it displays the status of the given interface only; if a single -a argument is given, it displays the status of all interfaces, even those
         that are down. Otherwise, it configures an interface.
Address Families
         If the first argument after the interface name is recognized as the
         name of a supported address family, that address family is used for
Manual mage ifconfig(8) line 1 (press h for help or d to quit)
```

```
1./00811] scsi target2:0:0: Domain Validation skipping write tests
    1.700892] scsi target2:0:0: Ending Domain Validation
    1.700981] scsi target2:0:0: FAST-40 WIDE SCSI 80.0 MB/s ST (25 ns, offset :
    1.703345] sd 2:0:0:0: [sda] 33554432 512-byte logical blocks: (17.1 GB/16.0
GiB)
    1.703487] sd 2:0:0:0: [sda] Write Protect is off
    1.703577] sd 2:0:0:0: [sda] Cache data unavailable
    1.703647] sd 2:0:0:0: [sda] Assuming drive cache: write through
    1.703851] sd 2:0:0:0: [sda] Cache data unavailable
    1.703921] sd 2:0:0:0: [sda] Assuming drive cache: write through
    1.704349] sda: sda1 sda2 < sda5 >
    1.704599] sd 2:0:0:0: [sda] Cache data unavailable
    1.704670] sd 2:0:0:0: [sda] Assuming drive cache: write through
    1.704746] sd 2:0:0:0: [sda] Attached SCSI disk
    1.706610] sd 2:0:0:0: Attached scsi generic sg1 type 0
egin: Running /scripts/local-premount ... done.
1.891471] EXT4-fs (dm-0): mounted filesystem with ordered data mode. Opts:
Regin: Running /scripts/local-bottom ... done.
Begin: Running /scripts/init-bottom ... done.
[ 2.244999] udevd[337]: starting version 175
    2.356246] piix4_smbus 0000:00:07.3: Host SMBus controller not enabled!
```

```
sysadmin@ubuntusrv: $ ncdu /
The program 'ncdu' is currently not installed. You can install it by typing:
sudo apt–get install ncdu
You will have to enable the component called 'universe'
sysadmin@ubuntusrv:~$
```

Part C:

- On the computer that you are doing this assignment on, gather hardware information:
 - if you are using a MAC, research how to get hardware info (GUI and command line)
 - if you are using Windows, use PowerShell to get your hardware info (research)

```
Copyright (C) Microsoft Corporation. All rights reserved.
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows
PS C:\Users\gurjo> Get-CimInstance Win32_PhysicalMemory | Select-Object Manufacturer, Capacity, Speed, PartNumber
Manufacturer
                 Capacity Speed PartNumber
              17179869184 7500 K3KL9L90CM-MGCT
17179869184 7500 K3KL9L90CM-MGCT
Samsung
Samsung
PS C:\Users\gurjo> Get-CimInstance Win32_PhysicalMemory | Select-Object Manufacturer, Capacity, Speed, PartNumber
                 Capacity Speed PartNumber
             17179869184 7500 K3KL9L90CM-MGCT
17179869184 7500 K3KL9L90CM-MGCT
Samsung
PS C:\Users\gurjo> Get-CimInstance Win32_Processor | Select-Object Name, NumberOfCores, NumberOfLogicalProcessors, MaxCl
ockSpeed
                           NumberOfCores NumberOfLogicalProcessors MaxClockSpeed
Name
Intel(R) Core(TM) 7 150U
                                       10
                                                                   12
```

```
AdapterRAM DriverVersion
Intel(R) Graphics 2147479552 32.0.101.6790
PS C:\Users\gurjo> Get-CimInstance Win32_BaseBoard | Select-Object Manufacturer, Product, SerialNumber
Manufacturer Product SerialNumber
            8CB4 PTQRCL3MYL7FXD
PS C:\Users\gurjo> Get-CimInstance Win32_NetworkAdapter | Where-Object {$_.PhysicalAdapter -eq $true} | Select-Objec
me, MACAddress, Speed
                                      MACAddress
Name
                                                             Speed
Intel(R) Wi-Fi 6E AX211 160MHz
                                      9C:67:D6:E5:9F:F2 292500000
VirtualBox Host-Only Ethernet Adapter 0A:00:27:00:00:0B 1000000000
PS C:\Users\gurjo> Get-CimInstance Win32_BIOS | Select-Object Manufacturer, SMBIOSBIOSVersion, ReleaseDate
Manufacturer SMBIOSBIOSVersion ReleaseDate
             F.30
                               4/9/2025 5:00:00 PM
Insyde
```

- Add notes and screenshots
- Can you reproduce the lab with the questions and your screenshots with notes?
- If your boss asked you for this, did you provide the answer with context?