

Task 3.2

- 1) Show the process activity in real time with “top” or “ps -A” for all processes

[illegible]

- 2) Show all running or stopped services with “service --status-all”

[illegible]

- ### 3) Finding out the operating system with “cat /etc/*-release

```
stark@hellgate:~$ cat /etc/*-release
DISTRIB_ID=Ubuntu
DISTRIB_RELEASE=14.04
DISTRIB_CODENAME=trusty
DISTRIB_DESCRIPTION="Ubuntu 14.04.4 LTS"
NAME="Ubuntu"
VERSION="14.04.4 LTS, Trusty Tahr"
ID=ubuntu
ID_LIKE=debian
PRETTY_NAME="Ubuntu 14.04.4 LTS"
VERSION_ID="14.04"
HOMEPAGE_URL="http://www.ubuntu.com/"
SUPPORT_URL="http://help.ubuntu.com/"
BUG_REPORT_URL="http://bugs.launchpad.net/ubuntu/"
```

4) Finding out the openssl version with “dpkg -l openssl”

```
stark@hellgate:~$ dpkg -l openssl
Desired=Unknown/Install/Remove/Purge/Hold
| Status=Not/Inst/Conf-files/Unpacked/half-float/Half-inst/trig-aWait/Trig-pend
|/ Err?=(none)/Reinst-required (Status,Err: uppercase=bad)
++-+-----+-----+-----+-----+
||/ Name          Version             Architecture        Description
++-+-----+-----+-----+-----+
ii  openssl         1.0.1f-lubuntu     amd64              Secure Sockets Layer toolkit - crypto
```

5) Finding out the ip addresses with “/sbin/ifconfig”

```
eth0      Link encap:Ethernet  HWaddr 08:00:27:00:00:00
          inet addr:10.0.0.1  Bcast:10.0.0.255  Mask:255.255.255.0
          inet6 addr: fe80::a0:27ff:fe00:0000/64 ScopeLink
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:1247109  errors:0  dropped:0  overruns:0  frame:0
          TX packets:5494619  errors:0  dropped:0  overruns:0  carrier:0
          collisions:0  telegram:1000
          RX bytes:157321335 (337.3 MB)  TX bytes:334432690 (334.4 MB)

eth1      Link encap:Ethernet  HWaddr 08:00:27:01:00:12
          inet addr:10.1.1.2  Bcast:10.1.1.255  Mask:255.255.255.0
          inet6 addr: fe80::a0:27ff:fe01:0012/64 ScopeLink
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:1190671  errors:0  dropped:0  overruns:0  frame:0
          TX packets:1440279  errors:0  dropped:0  overruns:0  carrier:0
          collisions:0  telegram:1000
          RX bytes:455112397 (435.1 MB)  TX bytes:1007236163 (1.0 GB)

eth2      Link encap:Ethernet  HWaddr 08:00:27:06:00:78
          inet6 addr: fe80::a0:27ff:fe06:0078/64 ScopeLink
          UP BROADCAST RUNNING PROMISC MULTICAST  MTU:1500  Metric:1
          RX packets:0  errors:0  dropped:0  overruns:0  frame:0
          TX packets:0  errors:0  dropped:0  overruns:0  carrier:0
          collisions:0  telegram:1000
          RX bytes:0 (0.0 B)  TX bytes:0 (0.0 B)

lo        Link encap:Local Loopback
          inet addr:127.0.0.1  Mask:255.0.0.0
          inet6 addr: ::1/128 ScopeHost
          UP LOOPBACK RUNNING  MTU:65536  Metric:1
          RX packets:52305463  errors:0  dropped:0  overruns:0  frame:0
          TX packets:52305463  errors:0  dropped:0  overruns:0  carrier:0
          collisions:0  telegram:0
          RX bytes:2238401225 (2.2 GB)  TX bytes:2238401225 (2.2 GB)
```

6) Show all TCP ports with nmap using “nmap -sT 10.0.0.1”

```
stark@hellgate:~$ nmap -sT 10.0.0.1

Starting Nmap 7.12 ( https://nmap.org ) at 2016-05-24 15:24 CEST
Nmap scan report for 10.0.0.1
Host is up (0.000077s latency).
Not shown: 996 closed ports
PORT      STATE SERVICE
22/tcp    open  ssh
111/tcp   open  rpcbind
139/tcp   open  netbios-ssn
445/tcp   open  microsoft-ds

Nmap done: 1 IP address (1 host up) scanned in 16.57 seconds
```