

VMware station: Ubuntu 16.04 python 3.6

1. top

```
top - 22:19:44 up 1 day, 4:55, 1 user, load average: 0.00, 0.00, 0.02
Tasks: 267 total, 4 running, 184 sleeping, 0 stopped, 1 zombie
%Cpu(s): 0.5 us, 0.8 sy, 0.0 ni, 98.7 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st
KiB Mem : 2492700 total, 454520 free, 868356 used, 1169824 buff/cache
KiB Swap: 2577404 total, 2075408 free, 501996 used. 1358184 avail Mem
```

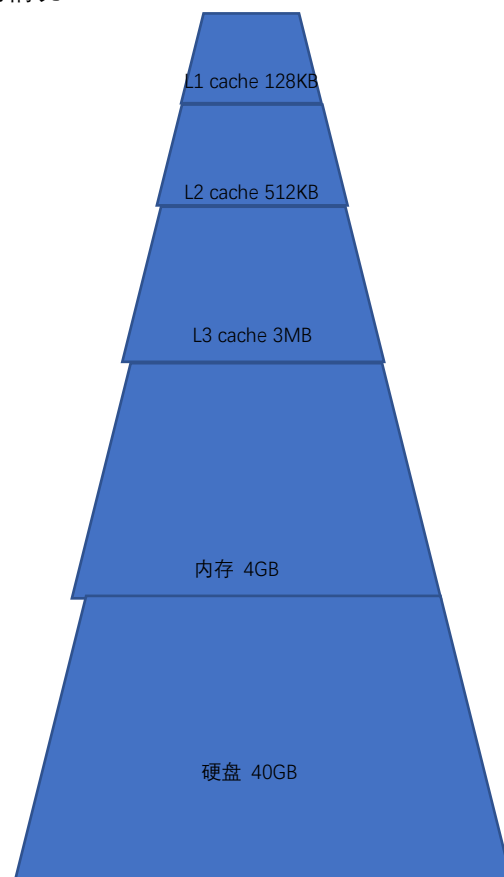
PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
1076	root	20	0	488264	52900	13904	R	4.0	2.1	41:30.92	Xorg
45897	changqi+	20	0	633252	45536	32732	R	2.3	1.8	0:55.59	gnome-ter+
1997	changqi+	20	0	1663528	47752	25828	R	1.3	1.9	37:41.95	compiz
2157	changqi+	20	0	1217992	43980	29436	S	1.0	1.8	2:09.44	nautilus
1784	changqi+	20	0	43012	848	620	S	0.7	0.0	0:11.14	dbus-daem+
981	root	20	0	19588	156	0	S	0.3	0.0	0:27.22	irqbalance
1795	changqi+	20	0	678768	15748	10716	S	0.3	0.6	0:42.81	bamfdamon
2042	changqi+	20	0	403148	832	444	S	0.3	0.0	0:06.17	indicator+
2193	changqi+	20	0	268144	11876	9516	S	0.3	0.5	6:23.37	vmtoolsd
2291	changqi+	20	0	951788	34452	26140	S	0.3	1.4	2:04.25	fcitx-qim+
101117	changqi+	20	0	43668	3892	3156	R	0.3	0.2	0:00.03	top
1	root	20	0	185384	4216	2648	S	0.0	0.2	0:42.13	systemd
2	root	20	0	0	0	0	S	0.0	0.0	0:06.19	kthreadd
4	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworker/0+
6	root	0	-20	0	0	0	I	0.0	0.0	0:00.05	mm_percpu+
7	root	20	0	0	0	0	S	0.0	0.0	0:10.51	ksoftirqd+
8	root	20	0	0	0	0	I	0.0	0.0	3:13.43	rcu_sched

2.

dmesg|grep cache # dmesg 查看开机信息，用 grep 过滤出有关 cache 的信息

gnome-system-monitor # 打开系统进程管理界面，有 CPU 使用情况，内存使用情况

df -h # 显示硬盘使用情况



3.

`cd /; tree | head -n 15 #` 切换到根目录下，然后查看当前目录树，把结果作为 `head` 命令的输入，`head` 命令将获取的输入的前 15 行作为输出。

```
.
├── bin
│   ├── bash
│   ├── bunzip2
│   ├── busybox
│   ├── bzip2
│   ├── bzcmp -> bzdiff
│   ├── bzdiff
│   ├── bzegrep -> bzgrep
│   ├── bzexe
│   ├── bzfgrep -> bzgrep
│   ├── bzgrep
│   ├── bzip2
│   ├── bzip2recover
│   └── bzless -> bzmored
```