1. 将输出显示为表格

1). 例如: mount | column -t

```
Diegoeks@likegooks-VirtualBox-
File Edit View Search Terminal Help
Likegeekselikegeeks-Virtualeux - E mount | column
systs on /sys
proc on /proc
udev on /dev
devpts on /dev/pts
                                                                                                                                                                                                                                         type sysfs
type proc
type devino
                                                                                                                                                                                                                                                                                                                                                     (rw,nesuid,nomev,neexec,relatime)
(rw,nesuid,nomev,neexec,relatime)
(rw,nesuid,relatime,size=486716k,nr inodes=121679,mede=755)
(rw,nesuid,neexec,relatime,gid=5,mede=628,ptmxeede=886)
(rw,nesuid,neexec,relatime,size=181624k,mede=755)
(rw,relatime,errors=recount-re,data=ordered)
(rw,nesuid,nodew,meexec,relatime)
(rw,nesuid,nodew,meexec,relatime,size=5120k)
(rw,nesuid,nedew,meexec,relatime,sattr,relamae_meent=/lib/sy
(rw,nesuid,nedew,meexec,relatime,xattr,relamae_meent=/lib/sy
                                                                                                                                                                                                                                                               proc
devinots
devpts
impfs
exi4
                                                                                                                                                                                                                                       type devotes
type tmpfs
type ext4
type excurityfs
type tmpfs
type tmpfs
type tmpfs
type tmpfs
                                                                         /
/sys/kernel/security
/dev/shm
/run/lock
/sys/fs/cgroup
/sys/fs/cgroup/systemd
   ecurityfs
mpfs
mpfs
mpfs
                                                                                                                                                                                                                                                                                                                                                         (rw.nosuid;nodev.noexec.relatine.xattr.release_agent=/lib/systemd/systemd-cgroups-agent.name=s
                                                                       /sys/fs/pstore
/sys/fs/cgroup/net cls.net_prin
/sys/fs/cgroup/nemory
/sys/fs/cgroup/spu.cpuscct
/sys/fs/cgroup/gert_event
                                                                                                                                                                                                                                                                                                                                                     (rw.nosuid.nodev.noexec.relatime)
(rw.nosuid.nodev.noexec.relatime.net_cls.net_prio)
(rw.nosuid.nodev.noexec.relatime.semory)
(rw.nosuid.nodev.noexec.relatime.cpu.cpuacct)
(rw.nosuid.nodev.noexec.relatime.ppu.cpuacct)
(rw.nosuid.nodev.noexec.relatime.pprf_exent.release_agent=/run/cgmunager/agents/cgm-release-agent=/run/cgmunager/agents/cgm-release-agent=/run/cgmunager/agents/cgm-release-agent=/run/cgmunager/agents/cgm-release-agent=/run/cgmunager/agents/cgm-release-agent=/run/cgmunager/agents/cgm-release-agent=/run/cgmunager/agents/cgm-release-agent=/run/cgmunager/agents/cgm-release-agent=/run/cgmunager/agents/cgm-release-agent=/run/cgmunager/agents/cgm-release-agent=/run/cgmunager/agents/cgm-release-agent=/run/cgmunager/agents/cgm-release-agent=/run/cgmunager/agents/cgm-release-agent=/run/cgmunager/agents/cgm-release-agent=/run/cgmunager/agents/cgm-release-agent=/run/cgmunager/agents/cgm-release-agent=/run/cgmunager/agents/cgm-release-agent=/run/cgmunager/agents/cgm-release-agent=/run/cgmunager/agents/cgm-release-agent=/run/cgmunager/agents/cgm-release-agent=/run/cgmunager/agents/cgm-release-agent=/run/cgmunager/agents/cgm-release-agent=/run/cgmunager/agents/cgm-release-agent=/run/cgmunager/agents/cgm-release-agent=/run/cgmunager/agents/cgm-release-agent=/run/cgmunager/agents/cgm-release-agent=/run/cgmunager/agents/cgm-release-agent=/run/cgmunager/agents/cgm-release-agent=/run/cgmunager/agents/cgm-release-agent=/run/cgmunager/agents/cgm-release-agent=/run/cgm-release-agent=/run/cgm-release-agent=/run/cgm-release-agent=/run/cgm-release-agent=/run/cgm-release-agent=/run/cgm-release-agent=/run/cgm-release-agent=/run/cgm-release-agent=/run/cgm-release-agent=/run/cgm-release-agent=/run/cgm-release-agent=/run/cgm-release-agent=/run/cgm-release-agent=/run/cgm-release-agent=/run/cgm-release-agent=/run/cgm-release-agent=/run/cgm-release-agent=/run/cgm-release-agent=/run/cgm-release-agent=/run/cgm-release-agent=/run/cgm-release-agent=/run/cgm-release-agent=/run/cgm-release-agent=/run/cgm-release-agent=/run/cg
   group or
group or
t.perf_event)
                                                         on /sys/fs/cgroup/hugetlb
                                                                                                                                                                                                                                                                                                                                                       (rw,nosuid,nodev,noexec.relatime,hugetlb,release_agent=/run/cgmanager/agents/cgm release agen
                                                                                                                                                                                                                                        type cgroup
                                                         on /sys/ts/cgroup/devices
on /sys/fs/cgroup/plds
                                                                                                                                                                                                                                                                                                                                                     (rw.nosuid.nodev.noexec.relatime.devices)
(rw.nosuid.nodev.noexec.relatime.plds.release_agent=/run/cgmanager/agents/cgm-release_agent.pl
       roup
                                                                                                                                                                                                                                      type cgroup
type cgroup
type cgroup
type autofs
type autofs
type debugfs
type bugetlbfs
type gueue
type fusectl
type binfst_wisc
type tspfs
type tspfs
type tspfs
type tspfs
                                                        on /sys/fs/cgroup/freezer
on /sys/fs/cgroup/blklo
on /sys/fs/cgroup/cpuset
on /pro/sys/fs/binfst misc
on /sys/kernel/debug
on /dev/buspages
on /dev/buspages
                                                                                                                                                                                                                                                                                                                                                       (rw.nosuid.nosev.noexec.relatime.blkio)
(rw.nosuid.nodev.noexec.relatime.cposet.clone.children)
(rw.relatime.fd=27.pgrp=1.timeout=0.minproto=5.maxproto=5.direct)
                                                                                                                                                                                                                                                                                                                                                   (rw,relatine)
(rw,relatine,size=160k,eode=755)
(rw,relatine,size=160k,eode=755)
(rw,relatine,size=160k,eode=755)
(rw,resuid,nodev,relatine,size=161624k,eode=760,uid=1600,gid=1600)
(rw,resuid,nodev,relatine,user_id=1600,group_id=1600)
    ebugfs
ugetlbfs
    queue on /Gev/Aqueue
usectl on /sys/fs/tuse/connections
infat misc on /proc/sys/fs/binfat misc
gafs on /run/cgmanager/fs
mpfs on /run/user/1800
vfsd-fuse on /run/user/1800/gvfs
thageekselikegeeks-VirtualEox
```

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🐚 Morra 🚎 💅 🕻 🚞 🖪 Meigenksiffblegenks....

```
2). 指定分隔符: cat /etc/passwd | column -t -s:
                                                                                                                                                                                                                                                                           lkegreks@likegreksVirtualBox
                                                                                                                                                                                                                                                                                                                                                                           /bin/bash
/usr/sbin/nelogin
/usr/sbin/nelogin
/usr/sbin/nelogin
/bin/synt
/usr/sbin/nelogin
/usr/sbin/telse
/bin/felse
/bin/felse
/bin/felse
                                                                                                                                                                                                                                                                          /root
/usr/sbin
/bin
/bin
/usr/games
/usr/spool/pd
/usr/spool/pd
/usr/spool/news
/usr/spool/news
/usr/spool/uscp
/bin
/usr/spool/uscp
/bin
                                                                                                                     65534
68
12
                                                                                                                                           uucp
proxy
www-data
backup
Mailing List Manager
                                                                                                                                                                                                                                                                           /var/rum/ircd
/var/rum/ircd
/nonexistent
/rum/systemd
/rum/systemd/netif
/rum/systemd/resolve
/rum/systemd/resolve
                                                                                                                                           Ircd
Gnats Bug-Reporting System (admin)
nubody,
systemd Time Synchronization...,
systemd Retwork Management...
systemd Bus Proxy...
/home/syslog
/nonexistent
/war/run/dbus
                                                                                                                                              /var/run/dbus
/run/uuidd
/home/ntp
                                                                                                                                                                                                                                                                            /bin/false
/bin/false
/bin/false
                                                                                                                                              Avahi autoip daemon...
Avahi sows daemon,...
                                                                                                                                                                                                                                                                            /var/lib/avahi-autoipd
/var/run/avuhi-daemon
/var/lib/misc
                        rahi-autoipd
rabi
                                                                                                                                                                                                                                                                                                                                                                              /bin/false
                                                                                                                                                                                                                                                                                                                                                                               /bin/false
/bin/false
                                                                                                                                          Avant mons deemon,,
dnsmadg.,
colord colour management daemon
Speech Dispatcher.,
HPLIP system user.,,
Kernel Dops Tracking Daemon.,,
Pulsakudio disecon.,,
MDM Display Manager
NetworkManager OpenVFW.,,
RealtimeKit.,,
/var/lib/speed
                     mmasq
solord
speech-dispatcher
wlip
sernoops
sulse
                                                                                                                                                                                                                                                                            /war/lib/colord
/war/run/apeech-diapatcher
/war/run/hplip
                                                                                                                                                                                                                                                                            /var/run/pulse
/var/lib/mdm
/var/lib/openvpn/chroot
                                                                                                                                                                                                                                                                            /prot
/bin/false
/var/lib/usheux
/home/likegeeks
                        ined # 128 12
theux # 121 46
(kegreks # 1000 10
soxadd K 999 1
(kegrekselikegreks-Virtuallax
                                                                                                                                           /var/lib/samed
usbeux daemon,
likegeeks,
/var/run/vboxadd
                    😘 Metu 🥅 💹 🖫 🗈 🖎 Republik belarara
```

2. 命令行使用无限循环

```
while true
                            likegeeks@likegeeks-VirtualBox ~
File Edit View Search Terminal Help
likegeeks⊚likegeeks-VirtualBox – $ while true
 ping -c 1 google.com > /dev/null 2>&1 && break
likegeeks@likegeeks-VirtualBox — 🖇
```

3. 按内存使用率排序

```
ps aux | sort -nk 4
                                         likegeeks@likegeeks-VirtualBox -
                                                                                                       - + X
File Edit View Search Terminal Help
likegeeks@likegeeks-VirtualBox -
                                 s ps aux | sort -nk 4
avahí
           733 0.0 0.0 44788
                                  344 ?
                                                    04:42
                                                             0:00 avahi-daemon: chroot helper
                                                            0:00 /usr/bin/VBoxClient --clipboard
0:00 /usr/bin/VBoxClient --display
         1593
               0.0 0.0 49504
                                  316 7
                                                    04:43
likegee+
         1604
               0.0 0.0 49504
                                  312 ?
                                                    84:43
                                                            0:00 /usr/bin/VBoxClient --seamless
likegee+ 1611 0.0 0.0 49504
                                  316 ?
                                                    04:43
likegee+ 1620 0.0 0.0 49504
                                  312 ?
                                                    04:43
                                                             0:00 /usr/bin/VBoxClient --draganddrop
likegee+ 1624 0.0 0.0 11140
                                 320 7
                                               Ss 84:43
                                                            0:00 /usr/bin/ssh-agent /usr/bin/dbus-launch --e
xit-with-session /usr/bin/im-launch cinnamon-session-cinnamon
likegee+ 1923 0.0 0.0 4508
                                  788 ?
                                                    04:43
                                                            0:00 sh -c /usr/lib/linuxmint/mintUpdate/mintUpd
ate.py
likegee+
          7935 0.0 0.0 15808
                                  932 pts/0
                                                    05:40
                                                             0:00 sort -nk 4
root
           10 0.0 0.0
                                    0 7
                                                    04:42
                                                             0:08 [watchdog/0]
           11 0.0 0.0
                                               5
                                    0 ?
                                                    04:42
                                                             0:00 [kdevtmpfs]
root
           12 0.0 0.0
                                               5<
                                                    04:42
                                                             0:00 [netns]
root
                                    9 7
           13 0.0
                                                    04:42
oot
                    0.0
                                                             0:00
                                                                  [perf]
           14 8.0
                                                    04:42
                                                             0:00 [khungtaskd]
root
                                    0 7
                    8.0
root
           143 0.0
                    0.0
                                                    04:42
                                                             0:00 [kpsmoused]
                                                    04:42
                                                             0:00 [kworker/0:1H]
```

4. 按CPU使用率排序

ps aux | sort -nk 3

```
likegeeks@likegeeks-VirtualBox -
File Edit View Search Terminal Help
ikegeeksmlikegeeks-VirtualBox - 🕏 ps aux | sort -nk 3
           721 0.0 0.3 44916 3532 7
avahi
                                                  Ss 04:42
                                                                0:00 avahi-daemon: running [likegeeks-VirtualBox
local
           733 6.8 6.8 44788
avahi
                                                       84:42
                                                                0:00 avahi-daemon; chroot helper
                                    344 7
          1751 0.0 1.4 313528 14488 ?
                                                  Ssl 04:43
                                                                0:00 /usr/lib/colord/colord
colord
likegee+ 1159 0.0 0.4 45248 4644 ?
                                                  55 04:42
                                                                0:00 /lib/systemd/systemd --user
Likegee+ 1163 0.0 0.2 98636
Likegee+ 1521 0.0 4.1 520272
Likegee+ 1593 0.0 0.0 49504
Likegee+ 1594 0.0 1.0 117888
                                                  5 04:42
                                  2832 7
                                                                0:00 (sd-pam)
                                                                0:00 cinnamon-session --session cinnamon
0:00 /usr/bin/VBoxClient --clipboard
                0.0 4.1 520272 41932 7
                                                  Ssl 04:43
                                    316 7
                                                       84:43
                                                  Sl 04:43
                                                                0:00 /usr/bin/VBoxClient --clipboard
                                  10344 7
likegee+ 1604
                6.0 0.0 49504
                                   312 7
                                                       84:43
                                                                0:00 /usr/bin/VBoxClient --display
ikegee+ 1685
                0.0 0.2 49640
                                                       04:43
                                                                0:00 /usr/bin/VBoxClient --display
                                  2892 7
                                   316 7
ikegee+ 1611
                0.0 0.0 49584
                                                       04:43
                                                                0:00 /usr/bin/VBoxClient --seamless
ikegee+ 1612
                                  2112 ?
                0.0 0.2 115688
                                                  sı
                                                       64:43
                                                                0:00 /usr/bin/VBoxClient --seamless
                0.0 0.0 49504
likegee+ 1620
                                                       04:43
                                                                0:00 /usr/bin/VBoxClient --draganddrop
                                   312 7
```

5. 同时tail多个文件 multitail file1 file2 ...

```
likegeeks@likegeeks-VirtualBox /var/log/syslog (Sun Feb 5 06:00:40 2017) [0.300000]
File Edit View Search Terminal Help
Scanning for Btrfs filesystems
/dev/sdal recovering journal
/dev/sdal Clearing orphaned inode 919315 (uid=1000, gid=1000, mode=0100644, size=3274)
/dev/sdal Clearing orphaned inode 919301 (uid=1800, gid=1000, mode=0100644, size=32768)
          Clearing orphaned inode 919289 (uid=1000, gid=1000, mode=0100600, size=308)
 dev/sdal
dev/sdal Clearing orphaned inode 919299 (uid=1000, gid=1000, mode=0100644, size=3258)
/dev/sdal: Clearing orphaned inode 919304 (uid=1000, gid=1000, mode=0100644, size=3274)
/dev/sdal Clearing orphaned inode 919523 (uid=1000, gid=1000, mode=0100644, size=3274)
/dev/sdal clean, 217621/983040 files, 1446686/3931904 blocks
B0] /var/log/boot.log
                                                                                        - 2017/02/05 06:00:4
      05 07 34 likegeeks-VirtualBox ntpd 7355
                                                 Soliciting pool server 41.79.80.34
                likegeeks-VirtualBox ntpd 7355
                                                 Soliciting pool server 41.75.211.161
                likegeeks-VirtualBox ntpd 7355
                                                 Soliciting pool server 197.12.0.14
                likegeeks-VirtualBox ntpd 7355
                                                 Soliciting pool server
               likegeeks-VirtualBox ntpd 7355
                                                 Soliciting pool server 196.21.206.2
                likegeeks-VirtualBox ntpd 7355
                                                 Soliciting pool server 41.76.88.137
               likegeeks-VirtualBox ntpd 7355
                likegeeks-VirtualBox ntpd 7355
                                                 Soliciting pool server 197.157.194.21
               likegeeks-VirtualBox ntpd 7355
                                                 Soliciting pool server
                likegeeks-VirtualBox ntpd 7355
                                                 Soliciting pool server 196.46.129.229
               likegeeks-VirtualBox CRON 7744
                                                 (root) CMD ( cd / && run-parts --report /etc/cron.hourly
                likegeeks-VirtualBox ntpd 7355
                                                 196.46.129.229 local addr 192.168.1.3 -> <null>
                                                 196.44.185.60 local addr 192.168.1.3 -> <null>
                likegeeks-VirtualBox ntpd 7355
                                                 197.157.194.21 local addr 192.168.1.3 -> <null>
                likegeeks-VirtualBox ntpd 7355
                likegeeks-VirtualBox ntpd 7355
                                                 168.167.71.131 local addr 192.168.1.3 -> <null>
                likegeeks-VirtualBox cinnamon-screensaver-pam-helper pam ecryptfs seteuid error
                likegeeks-VirtualBox systemd 1 Started CUPS Scheduler
                                                                                  254KB - 2017/02/05 06:00:4
```

6. 转换大小写

cat file | tr a-z A-Z > out.dat

- 7. 软连接和硬连接
 - 1). In -s /home/admin/yy /home/admin/xx //为/home/admin/yy创建软连接/home/admin/xx /home/admin/xx -> /home/admin/yy /home/admin/yy 目录必须要存在
 - 2). In /home/admin/yy /home/admin/xx //为/home/admin/yy创建硬连接/home/admin/xx 注意: 不允许对目录创建硬连接
- 8. 查看端口占用情况
 - 1). lsof -i
 - 2). lsof –i:port //查看具体的端口号使用情况
- 9. 批量替换文件内容字符串
 - 1). sed -i 's/price_compare/shopping_blue/g' `grep price_compare -rl .` //批量替换price_compare为shopping_blue
- 10. svn设置不保存账号和密码
 - 1). svn --username xxx --password yyy --no-auth-cache up dir
- 11. linux查看进程运行命令
 - 1). /proc/pid/ 这个目录保存进程运行一些信息
 - 2). /proc/pid/cmdline 进程运行命令
- 12. 查看Linux文件的状态信息

1). stat file