

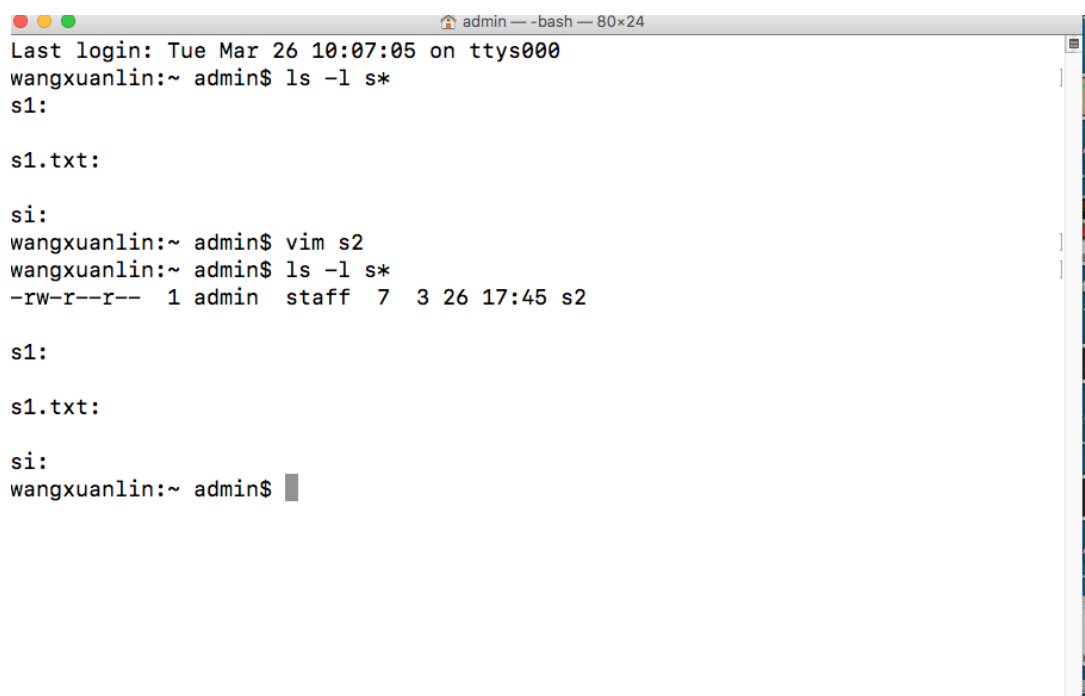
1、以容易理解的格式列出/home 目录中所有以”d”开头的文件目录的大

```
wangxuanlin:~ admin$ ls -la d*
d1:
total 0
drwxr-xr-x  2 admin  staff    68  3 20 19:56 .
drwxr-xr-x+ 42 admin  staff  1428  3 26 15:09 ..

d2:
total 0
drwxr-xr-x  2 admin  staff    68  3 20 19:56 .
drwxr-xr-x+ 42 admin  staff  1428  3 26 15:09 ..

d3:
total 0
drwxr-xr-x  2 admin  staff    68  3 20 19:56 .
drwxr-xr-x+ 42 admin  staff  1428  3 26 15:09 ..
wangxuanlin:~ admin$
```

2、列出/home 目录中所有以”s”开头的目录。



The screenshot shows a terminal window titled 'admin - bash - 80x24'. The user 'wangxuanlin' is logged in as 'admin'. The terminal shows the command 'ls -l s\*' being executed, which lists the directory 's1'. Then, the user runs 'vim s2', which creates a new file 's2'. Finally, the user runs 'ls -l s\*' again, which lists both 's1' and 's2'.

```
Last login: Tue Mar 26 10:07:05 on ttys000
wangxuanlin:~ admin$ ls -l s*
s1:

s1.txt:

si:
wangxuanlin:~ admin$ vim s2
wangxuanlin:~ admin$ ls -l s*
-rw-r--r--  1 admin  staff   7  3 26 17:45 s2

s1:

s1.txt:

si:
wangxuanlin:~ admin$
```

3、删除后缀名为.log 的所有，删除前逐一询问

```
admin — -bash — 80x24
Documents      d3              s1
Downloads      e.log           s1.txt
Library        e2.log          s2
Movies         get-pip.py      si
Music          home            test1.txt
Pictures       list_gen.py     vps,com
Public         nginx-1.12.2
PycharmProjects nginx-1.12.2.tar.gz
wangxuanlin:~ admin$ rm -ri *.log
examine files in directory e.log? y
remove e.log? y
examine files in directory e2.log? y
remove e2.log? y
wangxuanlin:~ admin$ ls
Applications    PycharmProjects  project
Desktop         d1               r.py
Documents       d2              s1
Downloads       d3              s1.txt
Library         get-pip.py       s2
Movies          home             si
Music           list_gen.py      test1.txt
Pictures        nginx-1.12.2     vps,com
Public          nginx-1.12.2.tar.gz
wangxuanlin:~ admin$
```

#### 4、cp 命令 —n 和 -u的区别

cp -u 当把文件从一个目录复制到另一个目录时，仅复制 目标目录中不存在的文件，或者是文件内容新于目标目录中已经存在的文件。

cp -n 不要覆盖已存在的文件(使前面的 -i 选项失效)

5、找你的用户目录下面的所有py文件,ls -l 查看他们的属性,然后把 这些结果输入到一个文件之中

```
admin -- -bash -- 80x24
vps,com
wangxuanlin:~ admin$ ls -l /Users/admin >s3
wangxuanlin:~ admin$ cat s3
total 5288
drwx-----@ 3 admin staff 102 3 25 08:58 Applications
drwx-----+ 49 admin staff 1666 3 26 16:17 Desktop
drwx-----+ 3 admin staff 102 7 9 2018 Documents
drwx-----+ 54 admin staff 1836 3 26 17:50 Downloads
drwx-----@ 59 admin staff 2006 3 21 18:26 Library
drwx-----+ 3 admin staff 102 7 9 2018 Movies
drwx-----+ 3 admin staff 102 7 9 2018 Music
drwx-----+ 3 admin staff 102 7 9 2018 Pictures
drwxr-xr-x+ 5 admin staff 170 7 9 2018 Public
drwxr-xr-x 3 admin staff 102 2 25 14:08 PycharmProjects
drwxr-xr-x 2 admin staff 68 3 20 19:56 d1
drwxr-xr-x 2 admin staff 68 3 20 19:56 d2
drwxr-xr-x 2 admin staff 68 3 20 19:56 d3
-rw-r--r-- 1 admin staff 1699325 3 21 17:49 get-pip.py
drwxr-xr-x 4 admin staff 136 3 20 18:43 home
-rw-r--r-- 1 admin staff 175 3 21 14:46 list_gen.py
drwxr-xr-x 13 admin staff 442 10 17 2017 nginx-1.12.2
-rw-r--r-- 1 admin staff 981687 3 20 16:54 nginx-1.12.2.tar.gz
drwxr-xr-x 3 admin staff 102 3 25 10:38 project
-rw-r--r-- 1 admin staff 172 3 22 16:58 r.py
```

## 6、使用ls查看根目录 并且每行显示3个信息

```
admin -- -bash -- 80x24
wangxuanlin:~ admin$ ls / |xargs -n 3
Applications Library Network
System Users Volumes
bin cores dev
etc home installer.failurerequests
net private sbin
tmp usr var
wangxuanlin:~ admin$
```

## 7、查看所有进程信息,只查看前3行

```
admin — -bash — 80x24
Last login: Wed Mar 27 17:48:23 on ttys000
[wangxuanlin:~ admin$ ps x|head -n 3
  PID  TT  STAT      TIME COMMAND
   332  ??  S      0:05.76 /usr/sbin/cfprefsd agent
   335  ??  S      0:03.44 /usr/libexec/UserEventAgent (Aqua)
wangxuanlin:~ admin$
```

8、分析以下问题,并给出解决方案

Mount is denied because the NTFS volume is already exclusively opened.

The volume may be already mounted, or another software may use it which could be identified for example by the help of the ‘fuser’ command.

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通过错误语句的输出可以知道NTFS卷被拒绝是因为已经执行打开，可能已经被挂载或者有应用程序正在使用它，可以使用fuser命令显示正在使用指定的file，file system或者socket的进程信息，可以使用kill命令杀死该进程

9、ssh 服务端口是多少,ssh免密登录方式的原理是什么

```
ssh — vim sshd_config — 80x24
$OpenBSD: sshd_config,v 1.100 2016/08/15 12:32:04 naddy Exp $

# This is the sshd server system-wide configuration file.  See
# sshd_config(5) for more information.

# This sshd was compiled with PATH=/usr/bin:/bin:/usr/sbin:/sbin

# The strategy used for options in the default sshd_config shipped with
# OpenSSH is to specify options with their default value where
# possible, but leave them commented.  Uncommented options override the
# default value.

#Port 22
#AddressFamily any
#ListenAddress 0.0.0.0
#ListenAddress ::

#HostKey /etc/ssh/ssh_host_rsa_key
#HostKey /etc/ssh/ssh_host_dsa_key
#HostKey /etc/ssh/ssh_host_ecdsa_key
#HostKey /etc/ssh/ssh_host_ed25519_key

# Ciphers and keying
"sshd_config" [readonly] 122L, 3252C
```

ssh免密登陆原理:

rimideiMac-51:~ admin\$ cd ~/.ssh

rimideiMac-51:/ admin\$ ssh-keygen (生成公钥/私钥对)

rimideiMac-51:~ admin\$ ssh-copy-id rimi@10.1.0.171 (使用ssh-copy-id进行给公钥)

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10.权限755代表什么权限,如果我想把所有的w权限去除应该使用什么命令

权限755代表用户读、写、执行权限都具有, 及rwx, r为1, w为1, x为1