

## 新建用户

```
useradd -m Admin
```

- 密码100天后过期，提前7天提醒，过期10天后不修改密码将关闭账号

```
chage -M 100 Admin
```

```
chage -I 10 Admin
```

```
root@ip-172-31-2-107:/home/yali# chage -l Admin
Last password change           : Jun 26, 2021
Password expires               : Oct 04, 2021
Password inactive              : Oct 14, 2021
Account expires                : never
Minimum number of days between password change : 0
Maximum number of days between password change : 100
Number of days of warning before password expires : 7
```

- 定义一个SHELL，可以选择bash，也可以选择zsh，有HOME

```
touch welc.sh
```

- 登录打印自定义欢迎信息：Welcome Admin（此处取变量）！Today is yyyy-mm-dd 并且打印最近一次登录的详细信息和近期登录总次数。

```
1 #!/bin/sh
2
3 name=`whoami`
4 logintime=`date +%Y-%m-%d`
5 num=`last | grep -w ${name} | wc -l`
6 echo -e "Welcom \033[34;1m${name}\033[0m Today is ${logintime}"
7
8 echo -e "您总共登陆了 \033[31;1m${num}\033[0m 次"
9 lastlog -u Admin
```

```
Welcom Admin Today is 2021-06-26
您总共登陆了 4 次
Username      Port      From      Latest
Admin         pts/0     83.255.108.74 Sat Jun 26 20:20:17 +0000 2021
```

- 可直接执行my\_ls，my\_ls是你自己写的ls程序，如果不会写，你可以写一个简单的HelloWorld代替。可以直接执行的意思是，在任何地方直接执行my\_ls可以运行

## 在本路径下创建了new.txt文件

```
1 #include <stdio.h>
2 #include <stdlib.h>
3 #include <sys/stat.h>
4 #include <sys/types.h>
5 #include <unistd.h>
6
7 void print_error(char *str)
8 {
```

```

 9      perror(str);
10      exit(-1);
11  }
12  int main(void)
13  {
14      int ret = 0;
15      struct stat sta = {0};
16      //int stat(const char *pathname, struct stat *statbuf);
17      //获取文件属性
18      ret = stat("./new.txt",&sta);
19      if(-1 == ret)    print_error("stat fail");
20      //打印文件属性
21      printf("%d %lu %d %d %ld %ld
%s\n",sta.st_mode,sta.st_nlink,sta.st_uid,sta.st_gid,sta.st_size,sta.st_atime,"new.txt"
);
22      return 0;
23  }

```

对上面文件进行编译

```
gcc my_ls.c -o my_ls
```

生成可执行文件 **my\_ls**

执行结果

```

Admin@ip-172-31-2-107 ~ % ./my_ls
33204 1 1002 1002 0 1624742562 new.txt

```

- 可执行sudo命令

试sudo可以正常使用

```

Admin@ip-172-31-2-107 ~ % sudo apt update
[sudo] password for Admin:
Hit:1 http://eu-north-1.ec2.archive.ubuntu.com/ubuntu bionic InRelease
Hit:2 http://eu-north-1.ec2.archive.ubuntu.com/ubuntu bionic-updates InRelease
Hit:3 http://eu-north-1.ec2.archive.ubuntu.com/ubuntu bionic-backports InRelease
Get:4 http://security.ubuntu.com/ubuntu bionic-security InRelease [88.7 kB]
Fetched 88.7 kB in 1s (151 kB/s)
Reading package lists... Done
Building dependency tree
Reading state information... Done
55 packages can be upgraded. Run 'apt list --upgradable' to see them.
Admin@ip-172-31-2-107 ~ %

```