1.依次创建用户 user1，user2，user3，指定用户目录
到/var/lib/user1,/var/lib/user2,/var/lib/user3,如图 1-1。

```
user1:x:1000:1000::/var/lib/user1:/bin/bash
user2:x:1001:1001::/var/lib/user2:/bin/bash
user3:x:1002:1002::/var/lib/user3:/bin/bash
```

图 1-1

登录验证 user1，并查看当前路径，如图 1-2。

```
[root@localhost ~]# ssh user1@192.168.122.11
The authenticity of host '192.168.122.11 (192.168.122.11)' can't be established.
ECDSA key fingerprint is SHA256:2BJTbDXqKft4F+kAhS8uiCZeY0RgcsPoY71CPI3NJAI.
ECDSA key fingerprint is MD5:1a:0c:a8:6f:5c:53:31:45:6c:53:da:27:7d:cb:12:06.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '192.168.122.11' (ECDSA) to the list of known hosts.
user1@192.168.122.11's password:
[user1@localhost ~]$ pwd
/var/lib/user1
```

图 1-2

2.修改 user1 账号密码过期信息，如图 2-1。

```
[root@localhost ~]# chage -m 2 -M 99 -W 3 user1
```

图 2-1

对比 user1 和 user2 的差异，user1 的密码最小天数 2，密码最大有效天数 99，密码到期前告
警天数 3。

如图 2-2 所示，user1 的密码过期信息已被修改，user2 的密码过期信息是系统默认的。

```
user1:$6$lStrEWE8$nWWcylWAm.iw3WS0A4fpmTBfnniTxIHWBBQKTBfQCNAzkXXMBk2R5l0E6i3F09
hO/URIITxtIJhmNWNMyuA1R/:17781:2:99:3:::
user2:$6$3Vgbs15n$IN/bUSEz26UhOy4KqbtZclt.Zp/SmZnKLp/Oc9dAZFoCSqDazNEWSZubQU4JPc
rOg34hQAZM8jftof1NbVRLt.:17781:0:99999:7:::
```

图 2-2

3. 创建用户 test1，test2，test3 并设置初始密码 123456，user2，user3，test1，test2，test3 的
密码过期信息是系统默认的密码最小有效天数 0，最大有效天数 99999，密码到期前警告天
数 7，如图 3-1 所示，

```
user1:$6$lStrEWE8$nWWcylWAm.iw3WS0A4fpmTBfnniTxIHWBBQKTBfQCNAzkXXMBk2R5l0E6i3F09
hO/URIITxtIJhmNWNMyuA1R/:17781:2:99:3:::
user2:$6$3Vgbs15n$IN/bUSEz26UhOy4KqbtZclt.Zp/SmZnKLp/Oc9dAZFoCSqDazNEWSZubQU4JPc
rOg34hQAZM8jftof1NbVRLt.:17781:0:99999:7:::
user3:$6$pWS1sTt8$Ngjq/8myCneGcGbDMqo4P659Oz3BEl.W50JLf0j3M6wTn/GfoLTPWq6UqwrEbm
XwJxWz94Ovb872vPy5oThWu.:17781:0:99999:7:::
test1:$6$T1iU8ZVo$H9ALNiHRGcPyzfmah6tTznf85Ub7pf1vvpHiTOPL48iAOwoyq3WLWarL1idTff
p2vLMUm.aksyuAMdbc91FrL.:17781:0:99999:7:::
test2:$6$Ilmje.cs$PR80QeDn5z7maHcoky02M5lJwhwIvOyUH642TU.hlAfWeufKiisrr5WPJ.ocTt
TuYLxxiNDM6gB19D/0Ne.ij/:17781:0:99999:7:::
test3:$6$fQE7Q5as$HexoB7ifk6J8tnx7xGGbyXaMaAg.QeoNlQ7YEjMZcAZ73qr00.rr67910dVAs4
CNbJbpN6LaCST48X1Cw0XNJ0:17781:0:99999:7:::
```

图 3-1

4.尝试登录 user1，如图 4-1。

```
[root@localhost ~]# sed -i 's/bash1 /nologin/pg' /etc/passwd
[root@localhost ~]# ssh user1@192.168.122.11
user1@192.168.122.11's password:
Permission denied, please try again.
user1@192.168.122.11's password:
Permission denied, please try again.
user1@192.168.122.11's password:
Permission denied (publickey,gssapi-keyex,gssapi-with-mic,password).
[root@localhost ~]# su - user1
Last login: Sat Sep  8 17:09:56 CST 2018 on pts/2
Last failed login: Sat Sep  8 18:50:46 CST 2018 from 192.168.122.11 on ssh:not
ty
There were 3 failed login attempts since the last successful login.
su: failed to execute /bin/bash1: No such file or directory
[root@localhost ~]#
```

图 4-1

5.默认删除用户 user1；test1，如图 5-1。

```
[root@localhost ~]# userdel user1
[root@localhost ~]# userdel test1
[root@localhost ~]# cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
bin:x:1:1:bin:/bin:/sbin/nologin
daemon:x:2:2:daemon:/sbin:/sbin/nologin
adm:x:3:4:adm:/var/adm:/sbin/nologin
lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin
sync:x:5:0:sync:/sbin:/bin/sync
shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt
mail:x:8:12:mail:/var/spool/mail:/sbin/nologin
operator:x:11:0:operator:/root:/sbin/nologin
games:x:12:100:games:/usr/games:/sbin/nologin
ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin
nobody:x:99:99:Nobody:/:/sbin/nologin
systemd-network:x:192:192:systemd Network Management:/:/sbin/nologin
dbus:x:81:81:System message bus:/:/sbin/nologin
polkitd:x:999:998:User for polkitd:/:/sbin/nologin
sshd:x:74:74:Privilege-separated SSH:/var/empty/sshd:/sbin/nologin
postfix:x:89:89:::/var/spool/postfix:/sbin/nologin
user2:x:1001:1001::/var/lib/user2:/bin/bash1
user3:x:1002:1002::/var/lib/user3:/bin/bash1
test2:x:1004:1004::/home/test2:/bin/bash1
test3:x:1005:1005::/home/test3:/bin/bash1
[root@localhost ~]#
```

图 5-1

完全删除：user2，user3；test2，test3 如图 5-2。

```
[root@localhost ~]# userdel -r user2
[root@localhost ~]# userdel -r user3
[root@localhost ~]# userdel -r test2
[root@localhost ~]# userdel -r test3
[root@localhost ~]# cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
bin:x:1:1:bin:/bin:/sbin/nologin
daemon:x:2:2:daemon:/sbin:/sbin/nologin
adm:x:3:4:adm:/var/adm:/sbin/nologin
lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin
sync:x:5:0:sync:/sbin:/bin/sync
shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt
mail:x:8:12:mail:/var/spool/mail:/sbin/nologin
operator:x:11:0:operator:/root:/sbin/nologin
games:x:12:100:games:/usr/games:/sbin/nologin
ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin
nobody:x:99:99:Nobody:/:/sbin/nologin
systemd-network:x:192:192:systemd Network Management:/:/sbin/nologin
dbus:x:81:81:System message bus:/:/sbin/nologin
polkitd:x:999:998:User for polkitd:/:/sbin/nologin
sshd:x:74:74:Privilege-separated SSH:/var/empty/sshd:/sbin/nologin
postfix:x:89:89::/var/spool/postfix:/sbin/nologin
```

图 5-2

查看邮件目录，如图 5-3。

```
[root@localhost ~]# cat /var/spool/mail/root
From root@localhost.localdomain  Fri Sep  7 16:23:17 2018
Return-Path: <root@localhost.localdomain>
X-Original-To: root
Delivered-To: root@localhost.localdomain
Received: by localhost.localdomain (Postfix, from userid 0)
        id EF691C51B8C; Fri,  7 Sep 2018 16:23:16 +0800 (CST)
To: root@localhost.localdomain
From: user1@localhost.localdomain
Auto-Submitted: auto-generated
Subject: *** SECURITY information for localhost.localdomain ***
Message-Id: <20180907082316.EF691C51B8C@localhost.localdomain>
Date: Fri,  7 Sep 2018 16:23:16 +0800 (CST)

localhost.localdomain : Sep  7 16:23:16 : user1 : user NOT in sudoers ; TTY=pts/1 ; PWD=/var/lib/user1 ; USER=root ;
COMMAND=/sbin/fdisk /dev/vdb


From root@localhost.localdomain  Fri Sep  7 17:02:29 2018
Return-Path: <root@localhost.localdomain>
X-Original-To: root
Delivered-To: root@localhost.localdomain
Received: by localhost.localdomain (Postfix, from userid 0)
        id 106BAC51B8D; Fri,  7 Sep 2018 17:02:28 +0800 (CST)
To: root@localhost.localdomain
From: user2@localhost.localdomain
Auto-Submitted: auto-generated
Subject: *** SECURITY information for localhost.localdomain ***
Message-Id: <20180907090229.106BAC51B8D@localhost.localdomain>
Date: Fri,  7 Sep 2018 17:02:28 +0800 (CST)
```

图 5-3