3

Local File System Security

# Viewing files and directory details using ls

## How to do it…

1. ls
2. ls -FC
3. ls -l
4. ls -a
5. ls -lh
6. ls -d \*/
7. ls -R

# Changing File Permissions with CHMOD

## How to do it…

1. chmod u+x testfile.txt
2. chmod g+x, o+x testfile.txt
3. chmod o-x testfile.txt
4. chmod a+r testfile.txt
5. chmod a-r testfile.txt
6. chmod o+x –R /example
7. chmod --reference=file1 file2

## There’s more...

chmod xxx file/directory

chmod 754 testfile.txt

# Implementation of ACL - Access control list

## Getting ready

getfacl<filename>

## How to do it…

1. useradd user1
2. passwd -d user1
3. useradd user2
4. passwd -d user2
5. useradd user3
6. passwd -d user3
7. addgroup group1
8. mkdir /example
9. chown user1 /example
10. cd /example
11. mkdir accounts
12. setfacl -m u:user1:rwx accounts
13. setfacl -m u:user2:rwx accounts
14. setfacl –m other:--- accounts
15. getfacl accounts
16. su user2
17. cd /example
18. cd accounts
19. mkdir dir1
20. ls
21. su user3
22. cd /example
23. cd accounts

## There’s more…

getfacl -R /example>permissions.acl

cd example/

ls

setfacl –restore=permissions.acl

# File Handling using Mv command (Moving & Renaming)

## How it works…

1. mv testfile1.txt /home/practical/example
2. mv testfile2.txt testfile3.txt testfile4.txt /home/practical/example
3. mv directory1 /home/practical/example
4. mv example\_1.txtexample\_2.txt
5. mv test­­\_directory\_1/ test­­\_directory\_2/
6. mv -v \*.txt /home/practical/example
7. mv -v test\_directory\_2/ /home/practical/example
8. mv –i testfile1.txt /home/practical/example
9. ls –l \*.txt
10. ls –l /home/practical/example/\*.txt
11. mv –uv \*.txt /home/practical/example/
12. ls –l \*.txt
13. mv –vn \*.txt /home/practical/example/
14. ls –l /home/practical/example/\*.txt
15. mv -bv \*.txt /home/practical/example

# Install and Configure a Basic LDAP Server on Ubuntu

## How to do it…

1. sudo apt-get update
2. sudo apt-get install slapd
3. sudo apt-get install ldap-utils
4. sudodpkg-reconfigure slapd
5. sudo apt-get install phpldapadmin
6. sudonano /etc/phpldapadmin/config.php
7. $servers->setValue('server','host','domain\_nam\_or\_IP\_address');
8. $servers->setValue('server','base',array('dc=example,dc=com'));
9. $servers->setValue('login','bind\_id','cn=admin,dc=example,dc=com');
10. $config->custom->appearance['hide\_template\_warning'] = true;
11. domain\_name\_or\_IP\_address/phpldapadmin