Getting Started

Module 3

Overview

- •In this module:
- -Command Structure
- –Displaying Files cat
- –Change Directory cd
- –Print Working Directory pwd
- –Listing Files and Directories Is

Command Structure

[peter@server1 ~]\$ ls -al /bin /sbin /usr/sbin

- First word is always the command
- Subsequent words are 'arguments'
- Many commands take 'options'
- Modify how command works

Module 3

Displaying Output - echo

•Simply 'echoes' its arguments:

```
[peter@server1 ~]$ echo hello there
hello there
[peter@server1 ~]$
```

•To omit the newline:

```
[peter@server1 ~]$ echo -n hello there
hello there[peter@server1 ~]$
```

Displaying the Date & Time - date

•The 'date' command:

```
[peter@server1 ~]$ date
Mon Apr 16 12:36:16 IST 2012
[peter@server1 ~]$
```

Listing Who is Logged In - who

•List who's on:

Displaying Files - cat

•Display a README file:

Change Directory - cd Print Working Directory - pwd

- Change Directory
- •With an argument: changes to directory given

```
[peter@server1 ~]$ cd /etc
[peter@server1 /etc]$ pwd
/etc
[peter@server1 /etc]$
```

```
•Withou [peter@server1 /tmp]$ cd [peter@server1 ~]$
```

Listing Directories - ls

- Without arguments
- Lists current directory

```
[peter@server1 ~]$ ls
file1 file2 file3
[peter@server1 ~]$
```

```
[peter@server1 ~]$ cd /usr
[peter@server1 /usr]$ ls
bin games java libexec sbin src
etc include lib local share tmp
[peter@server1 /usr]$
```

Module 3

Listing Directories - ls

With arguments

Lists specified files or directories

```
[peter@server1 ~]$ ls
file1 file2 file3
[peter@server1 ~]$
```

```
[peter@server1 ~]$ ls /usr
bin games java libexec sbin src
etc include lib local share tmp
[peter@server1 ~]$
```

```
[peter@server1 ~]$ ls /etc/passwd
/etc/passwd
[peter@server1 ~]$
```

Listing Directories - ls

- •Options modify how 'ls' works:
- •No options:

```
[peter@server1 ~]$ ls
file1 file2 file3
[peter@server1 ~]$
```

Aside: 'Hidden' Files

- •Files starting with a dot ('.')
- •normally configuration files (or directory entries '.' and '..')
- hidden by convention
- •Command-line utilities that respect this:
- •the 'ls' command
- •the shell

Listing Directories - ls Further Options

Long Listing

```
[peter@server1 ~]$ ls -l
total 12
-rw-rw-r--. 1 peter peter 2395 Apr 16 16:20 file1
-rw-rw-r--. 1 peter peter 17 Apr 16 16:20 file2
-rw-rw-r--. 1 peter peter 14 Apr 16 16:20 file3
[peter@server1 ~]$
```

Show Directory entry itself (not its contents)

```
[peter@server1 ~]$ ls -ld /usr
drwxr-xr-x. 13 root root 4096 Nov 6 10:31 /usr
[peter@server1 ~]$
```

Using Options

•Options come before arguments:

```
[peter@server1 ~]$ ls -ld /usr
drwxr-xr-x. 13 root root 4096 Nov 6 10:31 /usr
[peter@server1 ~]$
```

Options can be bunched together

```
[peter@server1 ~]$ ls -l -d /usr
drwxr-xr-x. 13 root root 4096 Nov 6 10:31 /usr
[peter@server1 ~]$ ls -d -l /usr
drwxr-xr-x. 13 root root 4096 Nov 6 10:31 /usr
[peter@server1 ~]$ ls -ld /usr
drwxr-xr-x. 13 root root 4096 Nov 6 10:31 /usr
[peter@server1 ~]$
```

Specifying Multiple Arguments

•'ls' lists all files or directories specified:

```
[peter@server1 ~]$ ls /usr /sys /usr/local /etc/passwd
/etc/passwd
/sys:
block class devices fs module
bus dev firmware kernel power
/usr:
bin games java libexec sbin
                               src
etc include lib local
                         share tmp
/usr/local:
bin etc include lib sbin
                                   src
Brother games info libexec share ssl
[peter@server1 ~]$
```