

PUE DAY
ABRIL 2016



10:15 - 11:20

Workshop LPI

“Disaster Recovery utilizando LVM y PXE en Linux”

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Cisco Networking Academy y Linux Professional Institute



Cursos Linux disponibles en la plataforma Cisco Netacad

The screenshot shows the 'Create a Course' dialog box in the Cisco Networking Academy interface. The dialog is open over a background page that includes the Cisco logo, 'Cisco Networking Academy', and various navigation and content elements. The dialog box has a title bar 'Create a Course' and a close button. It contains a dropdown menu for 'Select an Academy/Institution' with 'Proyecto Universidad Empresa - CA' selected. Below this are input fields for 'Course Name' and 'Course ID'. A link 'Find out how to Teach More Courses' is visible. The main section is titled 'Create a Course' and features a dropdown menu 'Select a NetAcad Course'. This menu lists various courses, with 'Partner: NDG Linux Essentials' highlighted in blue and enclosed in a red rectangular box. Other courses listed include CCNA Discovery 2, CCNA Discovery 3, CCNA Discovery 4, CCNA Exploration 1-4, CCNA Security, CCNP ROUTE, CCNP SWITCH, CCNP TSHOOT, Introduction to the Internet of Everything, Entrepreneurship, Introduction to Cybersecurity, Get Connected, Community: Smart Grid Essentials, and Packet Tracer Know How 1.

Ficha técnica curso Linux Essentials

- **Duración:** 70 horas
- **Idioma:** Inglés
- **Currículum online:** 16 capítulos
 - Laboratorios y exámenes de capítulo
 - Presentaciones de capítulo para instructor
- **Alineado certificación: Linux Essentials**
- **Disponibilidad del curso:**
 - Instructores del CNA pueden crear cursos y matricular a los alumnos gratuitamente



Linux Essentials - Temario

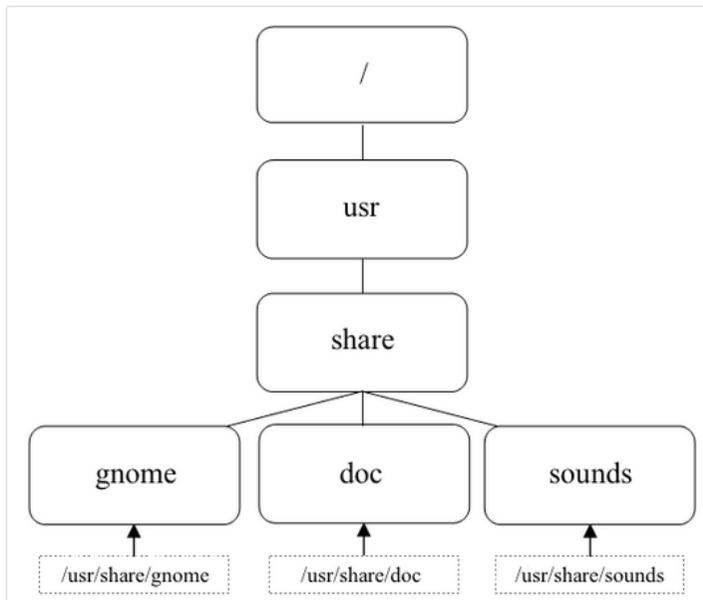
6.3.1 Directory Path

Using the previous graphic as a point of reference, you will see that there is a directory named `sound` under a directory named `etc`, which is under the `/` directory. An easier way to say this, is to refer to the *path*.

A path allows you to specify the exact location of a directory. For the `sound` directory, the path would be `/etc/sound`. The first `/` character represents the root directory while each other `/` character is used to separate the directory names.

This sort of path is called an *absolute path*. With an absolute path, you always provide directions to a directory (or a file) starting from the top of the directory structure, the root directory. Later in this chapter, we will cover a different sort of path called a *relative path*.

The following graphic demonstrates three additional absolute paths:



```
>_ Linux Terminal Show/Hide

Welcome to Ubuntu 12.10 (GNU/Linux 3.15.6+ x86_64)

* Documentation: https://help.ubuntu.com/

This lab has two user accounts (username :: password )

root    :: netlab123
sysadmin :: netlab123

Press the [Enter] key to begin...

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

sysadmin@localhost:~$ ls /
bin  dev  home  lib      media  opt   root  sbin  selinux  sys  usr
boot etc  init  lib64   mnt    proc  run   sbin??? srv    var

sysadmin@localhost:~$
```

Consider This...

File and directory names in Linux are case sensitive. This means that a file named ABC is not the same as a file named abc.

Linux Essentials - Laboratorios

Content

- ▶
- 9.1
- 9.2
- 9.2.1
- 9.2.2
- 9.2.3
- 9.2.4
- 9.2.5
- 9.2.6
- 9.2.7
- 9.2.8
- 9.2.9
- 9.2.10
- 9.2.11
- 9.2.12
- 9.2.13
- 9.2.14
- 9.2.15
- 9.2.16

9.4.1 Step 1

Scripts that are more complex may make use of conditional execution. A conditional expression, like the `if` statement, can make use of the outcome of a command called `test`. The `test` statement compares two numbers (or two strings) for things like "equal to", "less than", etc.

Create the following file (`drive.sh`) and make it executable to see how the `if` and `test` statements work. Begin by placing the following in `drive.sh`:

Enter this column into `drive.sh` This column describes the code (don't enter

```
#!/bin/bash
```

```
echo "Please enter your age" # print a prompt
```

```
read age # read user input and place in the $age variable
```

```
if test $age -lt 16 # test $age -lt 16 returns "true" if $age is numeric and less than 16  
then 16
```

>_ Ubuntu PC

```
GNU nano 2.2.6 File: drive.sh Modified  
  
#!/bin/bash  
echo "Please enter your age"  
read age  
if test $age -lt 16  
then  
echo "You are not old enough to drive"  
else  
echo "You can drive!"  
fi  
|
```

Linux Essentials – Exámenes

Chapter 01 Exam

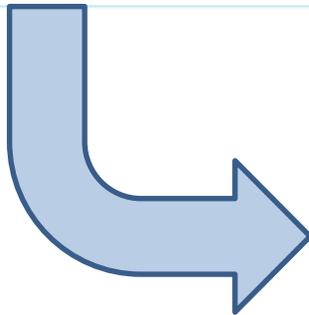
Available From
2016-04-11 16:32

Available To
2016-07-09 16:32

Assessment Duration
1 hours 00 minutes

Maximum Assessment Duration: 1 day

Maximum number of attempts
5

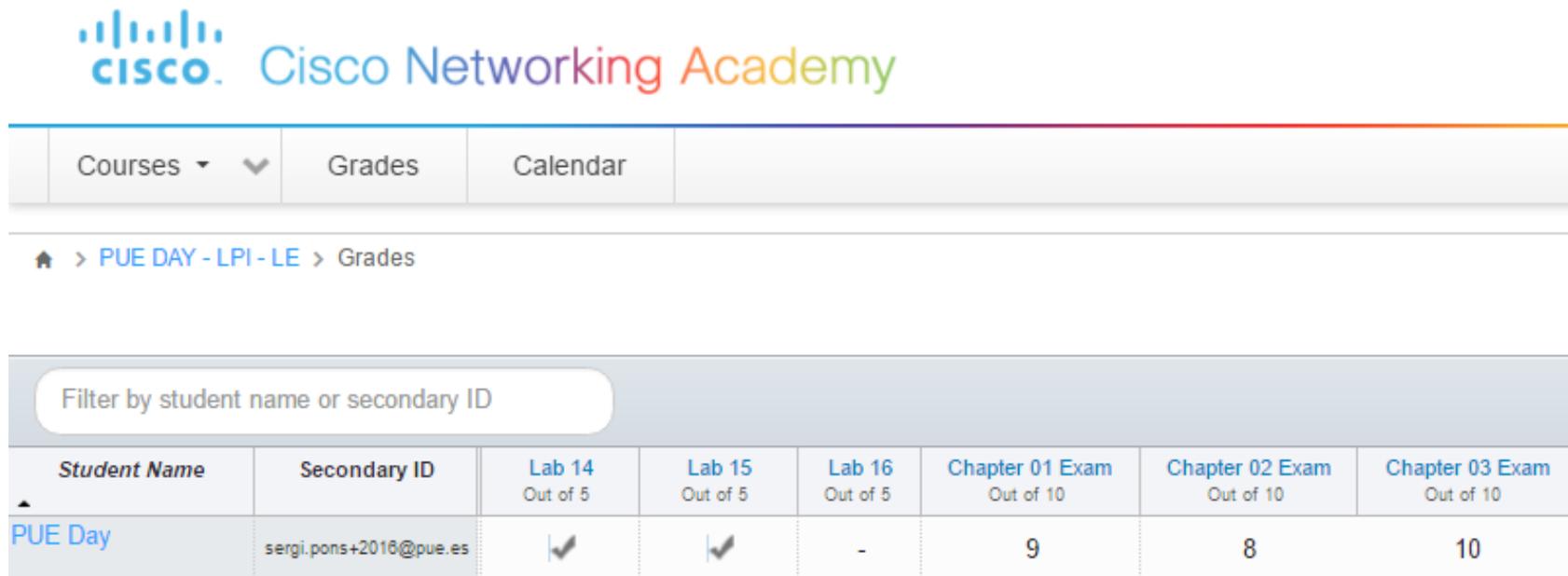


Question 3

Octal notation uses the following values for the permissions granted:

- r = 4, w = 2, x = 1
- r = 7, w = 5, x = 0
- r = 3, w = 2, x = 1
- r = 4, w = 2, x = 0

Linux Essentials – Cuaderno calificaciones

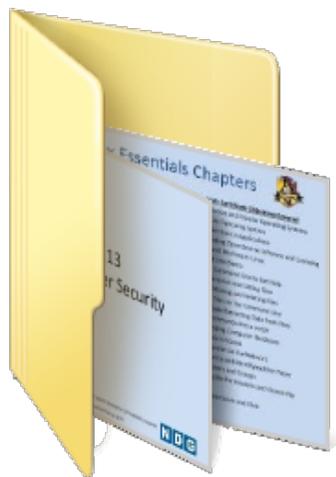


The screenshot shows the Cisco Networking Academy interface. At the top, there is a navigation bar with 'Courses', 'Grades', and 'Calendar' options. Below this, a breadcrumb trail indicates the current page: 'PUE DAY - LPI - LE > Grades'. A search filter is present, labeled 'Filter by student name or secondary ID'. The main content is a table with the following structure:

Student Name	Secondary ID	Lab 14 Out of 5	Lab 15 Out of 5	Lab 16 Out of 5	Chapter 01 Exam Out of 10	Chapter 02 Exam Out of 10	Chapter 03 Exam Out of 10
PUE Day	sergi.pons+2016@pue.es	✓	✓	-	9	8	10

Profesor del curso tiene el control total!

Linux Essentials – Presentaciones para instructores



Copying files

- The `cp` command copies files:
 - `cp [source] [destination]`
- Use `-v` option to display copy process
- Use `-i` to prompt overwrites
- Use `-n` to avoid overwrites
- Use `-r` to copy directory structures



This slide deck is for LPI Academy instructors to use for lectures for LPI Academy courses.
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Ficha técnica curso Introducción a Linux I y Linux II

- **Duración:** 70 horas cada curso
- **Idioma:** Inglés
- **Currículum online:** 27 y 19 capítulos
 - Laboratorios y exámenes de capítulo
 - Presentaciones de capítulo para instructor
- **Alineado certificación: examen LPI-101 y LPI-102**
- **Disponibilidad del curso:**
 - Instructores del CNA pueden crear cursos
 - Alumnos deben adquirir Voucher acceso



Introducción a Linux I y Linux II

NDG Introduction to Linux II - Lab 5 - Configuring the Display Manager Help ▾

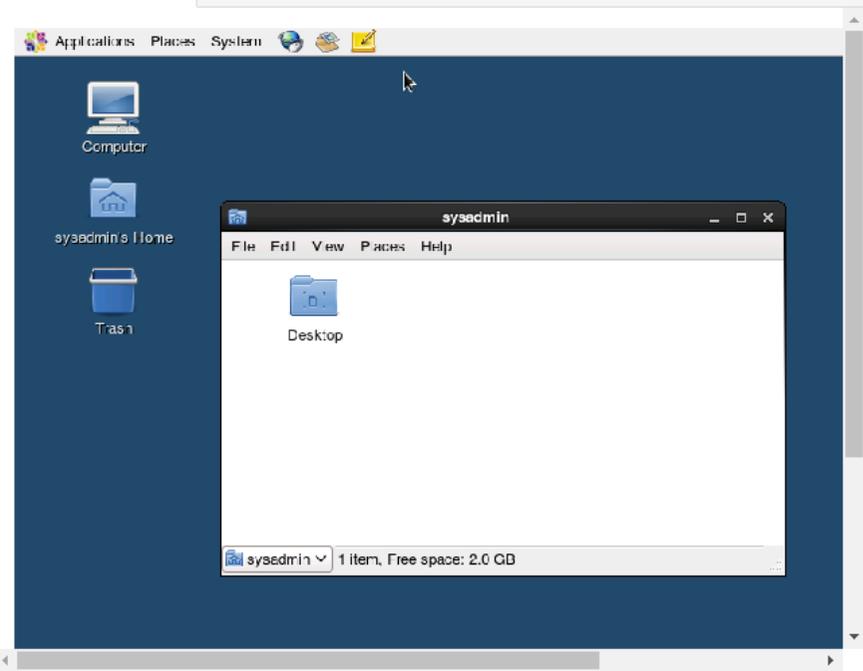
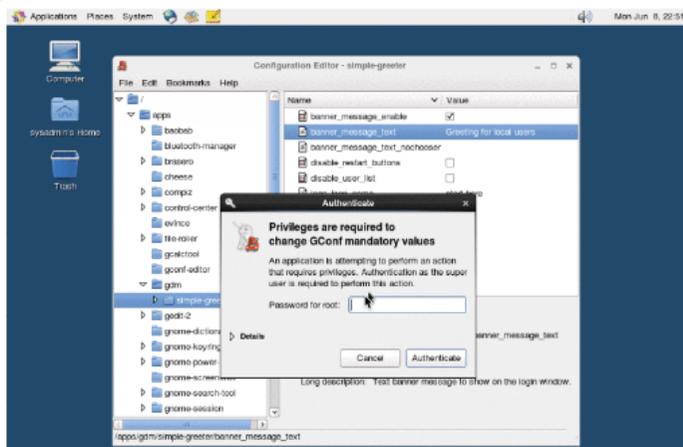
Content

5.1
5.2
5.3
5.4
5.5
5.6
5.7

5.5 Step 5

Right-click the **banner_message_text** and select **Set as Mandatory**. Click the **Ok** button and close the editor.

When prompted for the **Password for root**, enter `net1ab123` and then click the **Authenticate** button:



Novedad: Introduce MV online en GUI!!!