



From ZERO Linux Knowledge to Certified

Linux Skills Gap

Many established and emerging careers require all levels of Linux command-line knowledge, including big data, cloud computing, cyber security, information systems, networking, programming and software. Yet there aren't enough people with the expertise to fill these jobs.

NDG Linux Courses for Student Success

- **NDG Linux Essentials™** aligns to the LPI.org Linux Essentials Certificate (no prerequisites for instructors or students)
- **NDG Introduction to Linux™** aligns to Exam 1 for the LPI.org LPIC-1 and/or CompTIA Linux+ powered by LPI Certification
- **NDG Introduction to Linux II™** aligns to Exam 2 for the LPI.org LPIC-1 and/or CompTIA Linux+ powered by LPI Certification

NDG Linux Courses Are Easy to Integrate

- Flexible learning platform
- Hands-on 'learn by doing' approach
- Linux virtual machines to practice command-line concepts
- Instructor materials and classroom aids
- Seamless integration of lectures, content, labs and assessments
- Easily incorporated into university, college and technical programs
- Languages: currently available in English



- **NDG Linux Courses developed by Network Development Group (a Networking Academy partner)**
- **Provided to universities, colleges, and schools for instructor-led training**
- **Hands-on labs and virtual machines develop real-world job skills**
- **Students prepare for industry certification**

NDG Linux Essentials
control Linux much more effectively by using the Command Line Interface.

Why is knowing the command line important?

Flexibility and mobility!

By understanding the foundation of Linux, you have the ability to work on ANY Linux distribution. This could mean one company with a mixed environment or a new company with a different Linux distribution.

Consider This...

Scripting is the process of taking a series of CLI commands, placing them in a file and having the system execute each of the commands. It is an excellent way of combining a series of complex operations into a single operation (from the user's perspective). In other words, you can execute hundreds of commands just by typing the name of your script.

93% of hiring managers plan to hire a Linux professional in the next six months

and almost **90%** said it's difficult to find experienced Linux pros.

This means lots of job opportunities for those with Linux skills.

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ICT Career Prep and Support

Cisco provides students with career resources, and encourages its partners and customers to work with campuses to help develop students, identify top talent for hiring, and gain a competitive edge in their business.

Professional Skills Validation

These 3 courses align directly with Linux Professional Institute certifications.

Certified students can demonstrate to potential employers that they have the strong Linux foundation necessary for today's internships and jobs. To learn more, visit: www.lpi.org/certification/

```
>_ Linux Terminal Show/Hide

sysadmin@localhost:~$ echo 'Hello World!!'
Hello World!!
sysadmin@localhost:~$ ls -l
total 0
drwxr-xr-x 1 sysadmin sysadmin 0 Jul 3 05:56 Desktop
drwxr-xr-x 1 sysadmin sysadmin 0 Jul 3 05:56 Documents
drwxr-xr-x 1 sysadmin sysadmin 0 Jul 3 05:56 Downloads
drwxr-xr-x 1 sysadmin sysadmin 0 Jul 3 05:56 Music
drwxr-xr-x 1 sysadmin sysadmin 0 Jul 3 05:56 Pictures
drwxr-xr-x 1 sysadmin sysadmin 0 Jul 3 05:56 Public
drwxr-xr-x 1 sysadmin sysadmin 0 Jul 3 05:56 Templates
drwxr-xr-x 1 sysadmin sysadmin 0 Jul 3 05:56 Videos
sysadmin@localhost:~$ pwd
/home/sysadmin
sysadmin@localhost:~$ ls /
bin  dev  home  lib  media  opt  root  sbin  selinux  sys  usr
boot  etc  init  lib64  mnt  proc  run  sbin???  srv  tmp  var
sysadmin@localhost:~$ cd ..
sysadmin@localhost:~/home$ cd ..
sysadmin@localhost:/$ ls home
sysadmin
sysadmin@localhost:/$ pwd
/
sysadmin@localhost:/$
```

A terminal like this is available at any given time during the course.

Consider offering Linux courses now!

Learn more about Cisco Networking Academy courses: www.NetAcad.com

Request guidance on offering Linux and other courses at your institution: <https://www.netacad.com/get-started/educators>

Cisco Networking Academy: Partner-Developed Courses

Partner-developed courses are learning materials developed by other organizations utilizing the flexibility and course management capabilities in the Cisco NetSpace learning environment. Our goal is to expand learning opportunities for our students by offering relevant content and courses from NetAcad partners. Instructors may teach partner-developed courses and enroll students through the same process used for standard Networking Academy courses. Some partner courses may be structured in a self-paced format for students to self-enroll. Partner-developed courses adhere to the following guidelines:

- content has been developed by the partner, not by Cisco
- support and maintenance for the course is provided by the partner, not by Cisco
- if necessary, formal instructor training is provided by the partner, not by Cisco



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Corporate Social Responsibility

We create opportunities to transform lives, communities, and the environment through the combined power of human collaboration and networked connections. We call this "impact multiplied." Together with others, we apply technology to unlock the intelligence and fuel the innovation needed to address some of the world's most pressing problems.

Our Corporate Social Responsibility efforts focus on five areas: improving the well-being of people and communities around the world; using our technology to improve environmental sustainability; conducting our business ethically; creating a workplace where our employees thrive; and maintaining our high standards for ethics, labor rights, health, safety, and the environment throughout our supply chain.