



www.netdevgroup.com

NDG Linux Essentials Version 2 – Cisco NetAcad™ Frequently Asked Questions

Instructors, Learners, and Administrators

Last updated January 22, 2020

NDG Linux Essentials v2 Curriculum

1. Who is sponsoring the course?

NDG has developed the NDG Linux Essentials v2 course for institutions participating in the Cisco Networking Academy program. NDG is offering this course to the Cisco Networking Academy for Instructor-Led Training (ILT) and self-paced learners at no cost. To learn more about NDG, visit www.netdevgroup.com.

2. What jobs align with this course?

Understanding the Linux command line can be a powerful skill for Information Technology professionals. The skills taught in the NDG Linux Essentials course are applicable to a wide range of Information Technology career paths, including network engineering, software development and Linux administration.

For more information or to search for Linux jobs, visit the Cisco Networking Academy job and career site here:

<https://www.netacad.com/careers/>

3. What are the course objectives?

The NDG Linux Essentials v2 course objectives cover the following subject areas:

- Linux as an operating system
- Considerations for choosing an operating system
- The basics of open source software and licensing
- Basic knowledge of working with Linux
- Basic Linux command line skills
- How to use help commands and navigate help systems when using Linux
- How to work with Linux files and directories
- Search and extract data from Linux files
- Basic understanding of the concept of scripting
- The components of desktop and server computers
- Where data is stored on a Linux system
- Query vital network settings for a Linux computer on a Local Area Network
- Various types of users on a Linux system
- Creating users and groups on a Linux system
- Managing Linux file permissions and ownership
- Special Linux directories and files

You can find the scope and sequence documentation for the NDG Linux Essentials v2 course here:

https://www.netdevgroup.com/online/support/courses/documentation/ndg_linux_essentials_v2_scope_and_sequence.pdf

4. Does the course align with any industry-recognized certification?

Yes, this course aligns with the Linux Professional Institute (LPI) Linux Essentials Professional Development Certificate Version 1.6 (Exam code 010-160). The Linux Essentials Professional Development Certificate is a starting point for individuals interested in becoming Linux professionals. To learn more about the LPI Linux Essentials Professional Development Certificate, visit <https://www.lpi.org/certification/linux-essentials>

Course Outline

Title of Learning Module / Chapter	Exam 010-160 Objectives
Before You Get Started	Course Introduction
Chapter 1: Introduction to Linux	1.1 Linux Evolution and Popular Operating Systems
Chapter 2: Operating Systems	4.1 Choosing an Operating System
Chapter 3: Working in Linux	1.2 Major Open Source Applications
	1.4 ICT Skills and Working in Linux
Chapter 4: Open Source Software and Licensing	1.3 Open Source Software and Licensing
Chapter 5: Command Line Skills	2.1 Command Line Basics
Chapter 6: Getting Help	2.2 Using the Command Line to Get Help
Chapter 7: Navigating the Filesystem	2.3 Using Directories and Listing Files
Chapter 8: Managing Files and Directories	2.4 Creating, Moving, and Deleting Files
Chapter 9: Archiving and Compression	3.1 Archiving Files on the Command Line
Chapter 10: Working With Text	3.2 Searching and Extracting Data from Files
Chapter 11: Basic Scripting	3.3 Turning Commands into a Script
Chapter 12: Understanding Computer Hardware	4.2 Understanding Computer Hardware
Chapter 13: Where Data is Stored	4.3 Where Data is Stored
Chapter 14: Network Configuration	4.4 Your Computer on the Network
Chapter 15: System and User Security	5.1 Basic Security and Identifying User Types
Chapter 16: Creating Users and Groups	5.2 Creating Users and Groups
Chapter 17: Ownership and Permissions	5.3 Managing File Permissions and Ownership
Chapter 18: Special Directories and Files	5.4 Special Directories and Files

5. Is there an authorized discount for the certification exam?

The Linux Professional Institute offers participants of the Cisco Networking Academy program that successfully complete the NDG Linux Essentials course a discount on the Linux Essentials Professional Development Certificate for certificates taken from Pearson VUE computer based testing.

6. Is there a certificate of completion or letter?

Upon successfully completing the NDG Linux Essentials course, each individual is eligible to receive a congratulatory letter from LPI. This letter will document that the individual has completed the NDG Linux Essentials course and provide information on requesting a discount off the list price for the Linux Essentials Professional Development certificate for certificates taken from Pearson VUE computer based testing. For additional assistance, refer to our support documentation here:

https://www.netdevgroup.com/content/lpi/documentation/ndg_linux_essentials_completion_letter.pdf

7. How long will it take to complete the course?

The course is designed to be taught for a semester or quarter, but academies and instructors are encouraged to use the material based on the unique needs of the academic institution and students. The content can also be included in a Linux course or as a module in an operating systems course. The NDG Linux Essentials v2 course consists of eighteen chapters and learners are expected to take about 70 hours to complete all materials.

8. What are the system requirements?

NDG recommends using a desktop operating system (Windows, Mac, or Linux) with a physical keyboard. Smartphones and tablet devices are not supported. The following web browsers are recommended and supported:

- Google Chrome 56+
- Safari 10+
- Mozilla Firefox 53+

9. Do I need any additional equipment for the course?

No additional equipment is required for the NDG Linux courses.

10. Where can I find more information about how to use the NetAcad?

For more information, please visit the FAQs and Tutorials web page (you must be logged in to your NetAcad account to access): <https://www.netacad.com/group/program/faqs-and-tutorials>

11. Is training required for instructors?

No, instructor training is not required for instructors at this time. Instructors are encouraged to attain the Linux Essentials Professional Development Certificate, complete the NetAcad Academy Orientation course, and the self-paced NDG Linux courses prior to teaching the materials. NDG may adjust the instructor qualification rules if learner feedback indicates that academic institutions or instructors are not successfully teaching the material.

Information regarding the NetAcad Academy Orientation course can be found here:

<https://www.netacad.com/portal/resources/professional-development#orientation>

12. Are there any instructor materials or classroom aids available?

Yes, instructors have access to the content, lab exercises and virtual machines for practice. PowerPoint slides have been developed for classroom lectures. Each module has a corresponding PowerPoint slide deck. PowerPoint slide decks are accessible via instructor resources in the "Help & Resources" tab of the course.

13. Does the course include assessments?

At the end of each module, questions are presented to the learner as a graded chapter exam. All chapter exams include ten questions, and the midterm and final exams are forty questions each. All questions are scored and results are posted in the Networking Academy gradebook.

14. How do you enable assessments for this course?

Instructor-led classes require exams to be activated in order for students to access. For assistance with this process, refer to the support documentation found here:

http://www.netdevgroup.com/content/lpi/documentation/NDG_Linux_Essentials_Activating_An_Exam.pdf

Assessments for self-paced learners are activated by default. They are available for the duration of the course and can be taken an unlimited number of times. Exams have a one-hour time limit, midterm, and finals have a three-hour time limit. There are no prerequisite requirements for exams in self-paced classes.

15. Where do I get NDG Linux Essentials curriculum help?

Learners should direct all content-related questions to the course instructor. Learners and instructors can also use an online tool to submit feedback to NDG. When viewing the NDG Linux Essentials content, lab exercises, or quizzes, click the "Help" link in the top right corner to submit a question or report a bug or typo.

Note: The NDG Linux Essentials course is provided by NDG. All questions, comments and feedback should be directed to NDG. Learners and instructors can submit comments and feedback to NDG using the Help link located in the top-right corner of the NDG Linux Essentials content.

? Help ▾

>_ Terminal ▾

```

* Starting domain name service... bind9 [ OK ]
Welcome to Ubuntu 12.04.5 LTS (GNU/Linux 3.17.8+ x86_64)

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

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

root    :: netlab123
sysadmin :: netlab123

```

16. Whom should I contact if I have questions about this course that are not explained in this document?

Questions specific to the NDG Linux courses should be directed to Network Development Group at hostedsupport@netdevgroup.com. Please take a few minutes to review the NDG website, www.netdevgroup.com, the course materials, and this document before emailing the NDG staff.