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NDG Introduction to Linux I – Cisco NetAcad™ Frequently Asked Questions

Instructors, Learners, and Administrators

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The NDG Introduction to Linux I course was developed by the Network Development Group (NDG) to take advantage of the improved flexibility and course management capabilities in the Cisco Networking Academy® learning environment.

NDG Introduction to Linux I Curriculum

1. Who is sponsoring the course?

NDG has developed the NDG Introduction to Linux I course for learners and institutions participating in the Cisco Networking Academy program. NDG is offering this course to instructors participating in the Cisco Networking Academy at no cost. This no cost access is to help instructors prepare learners for the LPI LPIC-1 certification exams. NDG reserves the right to charge instructors if the “for free” access is abused by the academic community participating in the Cisco Networking Academy. Learners will be charged a fee. To learn more about NDG, visit www.netdevgroup.com.

2. How much is the fee for the NDG Introduction to Linux I course?

NDG Introduction to Linux I is free to instructors. The fee per learner is \$39.95.

3. Why is NDG charging a fee?

The fee is to sustain the cost of Linux course offerings, virtual machines and support.

4. Is there a discount?

The fee is already discounted from the commercial retail price if purchased through the Cisco Networking Academy.

5. Are bulk purchase discounts offered?

No, there are no bulk purchase discounts. The course is already discounted based on the buying power of the Cisco Networking Academy.

6. How long is the course access?

The course start and end date are controlled by the institution. **Important:** The NDG Introduction to Linux I maximum availability is six months per access code. Course access is set to a maximum of six months.

7. How is the course purchased?

Academic institutions can purchase on behalf of learners or to resell at the academic institution bookstore. Learners can also purchase the course directly. To learn more about purchase options, please refer to: https://netdevgroup.com/content/lpi/documentation/ndg_linux_courses_how_to_enter_access_codes.pdf
https://netdevgroup.com/online/support/courses/documentation/ndg_linux_course_purchase_order_faq.pdf

8. What is the refund policy?

Refunds are available for up to two weeks after purchase for learners that have utilized less than 30% of the course content.

9. How can I request a refund?

- a. Find the email receipt you received from *fastspring.com* when you purchased course access. Identify the “order number” listed on the email from *fastspring.com*.
- b. Email hostedsupport@netdevgroup.com with subject “Refund request”. List the order number and course access code or codes for which you are requesting a refund. **Please note: Each listed course access code will be disabled upon refund approval.** Briefly describe your reason for requesting a refund.
- c. Once approved, your refund request will be processed by fastspring.com.

10. What jobs align with this course?

Knowledge of Linux is a helpful skill for a wide variety of careers in business and Information Technology fields. Many emerging and growing career opportunities including big data, cloud computing, cyber security, information systems, networking, programming, and software development (to name a few) require basic to advanced knowledge of the Linux command line.

11. What are the course objectives?

The NDG Introduction to Linux I course objectives cover basic skills tested on the LPI LPIC-1 first certification exam including:

- System Architecture
- Linux Installation and Package Management
- GNU and Unix Commands
- Devices, Linux Filesystems, Filesystem Hierarchy Standard

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

The NDG Introduction to Linux I curriculum helps individuals prepare for the [LPI LPIC-1 101 exam](#), the first of two certification exams for the LPI LPIC-1 certification.

For additional information about the LPI LPIC-1 certification, please visit the LPI certification website: <http://www.lpi.org/our-certifications/lpic-1-overview/>

Note: This course also aligns to the [CompTIA Linux+ Powered by LPI](#) certification exam. Learners that earn the CompTIA Linux+ certification can receive “the 3-for-1 certification deal” which documents certification for the CompTIA Linux+, LPI LPIC-1 and SUSE CLA certifications. To learn more, visit the [CompTIA website](#).

Course modules aligned to the LPI LPIC-1 101 exam certification objectives are listed on the table below:

Title of Learning Module / Chapter	LPI.ORG LPIC-1 101 Exam Certification Objective
Before You Get Started	Course Introduction
1. Using the Shell	103.1 Work on the command line
2. Getting Help	103.1 Work on the command line
3. Text Utilities	103.2 Process text streams using filters
4. Configuring the Shell	103.1 Work on the command line
5. File Manipulation	103.3 Process basic file management

6. File Globbing	103.3 Process basic file management
7. Finding Files	103.3 Process basic file management
	104.7 Find system files and place files in the correct location
8. Regular Expressions	103.7 Search text files using regular expressions
9. The vi Editor	103.8 Perform basic file editing operations using vi
10. Standard Text Streams and Redirection	103.4 Use streams, pipes and redirects
11. Managing Processes	103.5 Create, monitor and kill processes
	103.6 Modify process execution priorities
12. Archive Commands	103.3 Process basic file management
13. File Permissions and Ownership	104.5 Manage file permissions and ownership
14. File Systems Links	104.6 Create and change hard and symbolic links
15. Hardware Configuration	101.1 Determine and configure hardware settings
16. The Boot Process	101.2 Boot the system
17. Bootloaders	102.2 Install a boot manager
18. Runlevels	101.3 Change runlevels and shutdown or reboot system
19. Designing a Scheme	102.1 Design hard disk layout
20. Creating Partitions	102.1 Design hard disk layout
	104.1 Create partitions and filesystems
21. Mounting Filesystems	102.1 Design hard disk layout
	104.3 Control mounting and unmounting of filesystems
22. Maintaining Integrity	104.2 Maintain the integrity of filesystems
23. Fixing Filesystems	104.2 Maintain the integrity of filesystems
24. Disk quotas	104.4 Manage disk quotas
25. RPM Package Management	102.5 Use RPM and YUM package management
26. Debian Software Management	102.4 Use Debian package management
27. Managing Shared Libraries	102.3 Manage shared libraries

Note: NDG Introduction to Linux I will repeat some content from NDG Linux Essentials. Why? LPI Linux Essentials certificate and LPI LPIC-1 certification exam objectives overlap. To cover all objectives, topics introduced in NDG Linux Essentials may be repeated in NDG Introduction to Linux I with more in-depth, high-rigor content. For further information, reference:

<http://www.netdevgroup.com/content/lpi/documentation/lpicertobjectives.pdf>

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

The Linux Professional Institute offers participants of the Cisco Networking Academy program that enroll in the NDG Introduction to Linux I course a 20% discount on the LPIC-1 101 exam for certification tests taken from Pearson VUE computer based testing.

14. Will participants receive a certificate of completion or letter?

Upon successfully completing the NDG Introduction to Linux I course, each individual is eligible to receive a congratulatory letter from LPI. This letter will document that the individual has completed the NDG Introduction to Linux I course and provide information on requesting a 20% discount off the list price for the certification exam for certification tests taken from Pearson VUE computer based testing. Instructors must mark the student as successfully passing the course to receive the congratulatory letter. For additional assistance, please visit: https://www.netdevgroup.com/content/lpi/documentation/ndg_linux_essentials_completion_letter.pdf

Note: For self-paced students, the letter of completion will be generated once the course feedback and the final have been submitted.

Curriculum Requirements

15. How do I get access to the Linux course?

If your organization is participating in the Cisco Networking Academy, you can use this course for Instructor-Led Training (ILT). To create a NDG Introduction to Linux I class, complete the following steps:

- a. From the NetAcad Home page, select the Teach tab
- b. Click the Create a Course link
- c. Enter the course information
 - i. Select an Academy
 - ii. Enter a Course Name and Course ID
 - iii. Select the course partner: **NDG LPIC1 101**
 - iv. Choose a language for the course (English only)
 - v. Enter a start and conclude date
 - vi. Select the instructor
- d. Click Save
- e. Follow NetAcad procedures to enroll learners that will be allowed to purchase course access or your institution can purchase and distribute course access codes on behalf of the learner.

Instructors will have access to the course at no fee. Learner access is by fee. Academic institutions can purchase access for learners or require learners to purchase course access. To review the purchasing processes, please refer to:

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

16. 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/landing/faq/>

17. What if my virtual machine is loading slowly?

Please be aware the virtual machines may take an average of 15 to 30 seconds to load. In order to provide the functionality required for some advanced concepts, virtual machines may take a minute or two to load.

18. 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 needs of the academic institution and students. The NetAcad course start and end date is controlled by the institution. The NDG Introduction to Linux I maximum availability is six months (per \$39.95 fee). **Important:** Course access is set to a maximum of six months. At the end of the six months, learners will be required to enter a new access code. Additional six months of access can be purchased if desired.

19. What are the computer requirements for the course?

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 supported:

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

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

No additional equipment is required for this course.

21. Is this an instructor-led course?

This course is currently available for instructor-led training. Learners will benefit from working with instructors who have knowledge of Linux at the LPIC-1 or CompTIA Linux+ level. There is also the option of taking the course self-paced, see Question 28 for more information.

22. Is training required for instructors?

No, instructor training is not required for instructors to participate. Instructors are encouraged to attain the LPI.org LPIC-1 certification and familiarize themselves with the course materials.

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

Yes, instructors have access to the content, lab exercises and virtual machines for practice. Each module will have a corresponding PowerPoint slide deck for instructor use. PowerPoint slide decks will be accessible via instructor help and resources.

24. Does the course include assessments?

At the end of each module, questions are presented to the learner as a graded chapter exam. There is also a graded midterm covering Chapters One through Fourteen.

For the final exam, instructors can choose between a graded final exam covering Chapters Fifteen through Twenty-seven and a graded comprehensive final exam covering all twenty-seven chapters. All questions are scored and results are posted in the Networking Academy gradebook.

25. How do you enable assessments for this course?

Important: NDG developed the assessment engine for the NDG Introduction to Linux I course. This course does not use the Cisco Networking Academy assessment engine. **The "Activation" link is not used** to enable assessments. To enable assessments, use the following steps:

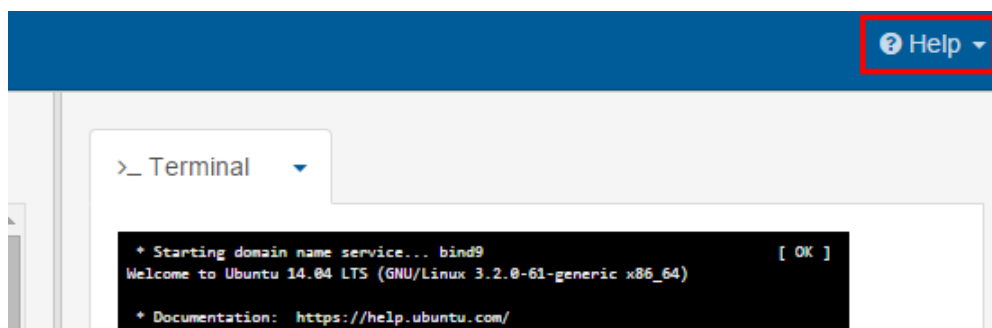
- a. On your instructor account homepage, focus on the menu options located on the left side.
- b. Select "**Instructor Resources**".
- c. Focus on the "Resources" headline; underneath it, **select the "Assessment Tool" hyperlink.**
- d. Next, select the "**Manage Activations**" hyperlink.
- e. All of the exams will be listed here. Place a check mark next to the exams that you wish to activate.
- f. Once you have selected the exams, click on the "Create Advanced Activations" button.
- g. For each exam, you will be presented with options to indicate when you would like to have the exams available, how long a student has to take the exam once initiated, and lastly, how many times the exam can be taken.
- h. Once the fields are marked accordingly, click on "Create Advanced Options" to activate.
- i. For additional assistance, please refer to:
http://www.netdevgroup.com/content/lpi/documentation/ndg_linux_essentials_activating_an_exam.pdf

Additional Information

26. Where do I get NDG Introduction to Linux I 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 for content typos or clarification edits, bugs, or problem instances. When viewing the NDG Introduction to Linux I content, lab exercises, or quizzes, click the Help link in the top right corner to submit a question or report a bug or typo. After submitting a request, the online system will search the frequently asked questions (FAQ) database for an answer. If an answer is not available, the learner will be able to route the submission to NDG for review.

Note: The NDG Introduction to Linux I 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 Introduction to Linux I content, as highlighted in the screen capture below.



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

All NDG Introduction to Linux I course questions should be directed to Network Development Group at hostedsupport@netdevgroup.com. Please take a few minutes to review the NDG Online Courses support page <https://netdevgroup.com/online/support/courses/>, the course materials and this FAQ document before emailing the NDG staff.

28. Additional information for self-paced learners:

- The letter of completion will be generated once the course feedback and the final have been submitted.
- NDG recognizes the many self-paced learners may wish to only use certain modules and skip others, therefore there are no prerequisites for taking the midterm and finals.
- 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. Quizzes have a one-hour time limit, midterm and finals have a three-hour time limit.



This and other NDG documentation are routinely updated as changes to the course materials and processes are made. For the current version of this document, please visit our support page at <https://ndg.tech/gBDW0m>.