

**Study Guide for**

**Linux System Administration II**

Lab work for LPI 102

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**see full GFDL license agreement on p.137**

***Introduction:***

**Acknowledgements**

The original material was made available by LinuxIT's technical training centre [www.linuxit.com](http://www.linuxit.com). Many thanks to Andrew Meredith for suggesting the idea in the first place. A special thanks to all the students who have helped dilute the technical aspects of Linux administration through their many questions, this has led to the inclusion of more illustrations attempting to introduce concepts in a userfriendly way. Finally, many thanks to Paul McEnery for the technical advice and for starting off some of the most difficult chapters such as the ones covering the X server (101), modems (102), security (102) and the Linux kernel (102).

The manual is available online at <http://savannah.nongnu.org/projects/lpi-manuals/>. Thank you to the Savannah Volunteers for assessing the project and providing us with the Web space.

**History**

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**Audience**

This course is designed as a 3 to 4 days practical course preparing for the LPI 102 exam. It is recommended that candidates have at least one year experience doing Linux administration professionally. However for those who are ready for a challenge the training is designed to provide as much insight and examples as possible to help non specialists understand the basic concepts and command sets which form the core of Linux computing.

**The LPI Certification Program**

There are currently two LPI certification levels. The first level LPIC-1 is granted after passing both exams LPI 101 and LPI 102. Similarly passing the LPI 201 and LPI 202 exams will grant the second level certification LPIC-2.

There are no pre-requisites for LPI 101 and 102. However the exams for LPIC-2 can only be attempted once LPIC-1 has been obtained.

**Exam Registration**

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## Introduction



In order to register for an LPI exam you first need to get a unique LPI at [www.lpi.org](http://www.lpi.org). You will also need to register with one of the testing organisations such as [www.vue.com](http://www.vue.com) or [www.prometric.com](http://www.prometric.com)

## No Guarantee

The manual comes with no guarantee at all.

## Resources

[www.lpi.org](http://www.lpi.org)  
[www.linux-praxis.de](http://www.linux-praxis.de)  
[www.lpiforums.com](http://www.lpiforums.com)  
[www.tldp.org](http://www.tldp.org)  
[www.fsf.org](http://www.fsf.org)  
[www.linuxit.com](http://www.linuxit.com)

## Notations

Commands and filenames will appear in the text in **bold**.

The <> symbols are used to indicate a non optional argument.

The [ ] symbols are used to indicate an optional argument

Commands that can be typed directly in the shell are highlighted as below

*command*

or



**command**

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