



LPIC 1-101 - Linux Server Professional (part 1)



LPIC 1-101 Welcome!

- **Welcome to the LPIC 1 – 101 course!**
 - This course is the part 1 of the LPI 1 curriculum
 - It is FULL of material
 - Contains a lot of theory and labs
 - Should be both entertaining.. And FUN 😊



LPIC 1-101 Introduction

- **Before we get started...who is the instructor and who are you?**
 - Your name is...
 - You work for...
 - Your work consists of...
 - What is your current experience with Linux?
 - What are your personal expectations?



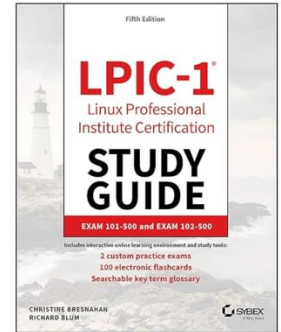


LPIC 1-101 Introduction

- **What are the course objectives?**
 - To cover most of the LPIC 1 – 101 exam topics
 - To provide students with tips - and tricks to improve their Linux skills
 - To further master the Linux CLI
 - To prepare for the Linux LPI 1 101 exam
 - Please note that since course reflects the LPI exam topics, that it is not biased towards a particular Linux flavor



LPIC 1-101 Introduction



- **What are the course materials?**

- The slides are the guiding material for the ILT
- The reference guide is the LPIC-1 Linux Professional Institute Certification Study Guide: Exam 101-500 and Exam 102-500 5th Edition
- This course is accompanied with online lab-exercises
- An online lab environment will be provided during the course (Rocky)



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- **What are the prerequisites to attend?**
 - Students should be proficient with basics like login with Putty, etc
 - It may be beneficial for students to be able to setup virtual machines with eg VirtualBox / Hyper-V etc



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- **Agenda**

Day 1:

1. **work on the command line** (103.1)
2. **getting help** (103.1)
3. **processing text streams** (103.2)
4. **configuring the shell** (103.1)
5. **basic file management** (103.3)
6. **file globbing** (103.3)
7. **finding files** (104.7)



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- **Agenda**

Day 2:

- 8. regular expressions (103.7)
- 9. basic editing (103.8)
- 10. pipes and redirection (103.4)
- 11. managing processes (103.5)
- 12. archiving (103.3)
- 13. permissions and ownership (104.5)



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- **Agenda**

Day 3:

14. links	(104.6)
15. hardware	(101.1)
16. booting	(101.2)
17. runlevels and system	(101.3)
18. partitioning	(104.1)
19. creating partitions	(104.1)



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- **Agenda**

Day 4:

- 20. mounting filesystems. (104.1)**
- 21. filesystem integrity (104.2)**
- 22. repairing filesystems (104.2)**
- 23. package management (102.5)**
- 24. shared libraries (102.3)**
- 25. Linux as virtualization guest (102.6)**

Depending on the experience and pace of the students, the agenda may be tailored throughout the course progression



LPIC 1-101 Introduction

- **Notes from the developers**
 - The LPIC 1 – 101 course is work in progress
 - The pace of the Labs may vary according to the student skills and interests
 - Some of the topics in this course may prove more challenging than others
 - The course takes a practical approach and should be... **FUN!**