

Module Linux III

LPI 201 – Advanced Level Network Administration (LPIC-2)

Management Summary

The students will get a detailed introduction to the administration of Linux systems. Popular services such as Samba and NFS belong to the contents as well as the automation of system administration tasks using Bash and Perl. Students will widen their knowledge about troubleshooting, system recovery and logging. To a large extent, this knowledge can not only be applied to Linux but also to other operating systems derived from Unix. The content of the course is in compliance with the requirements of the examination 201 of the Linux Professional Institute Certification (LPIC) program. This program provides for a certification of student knowledge which is independent from manufacturers. The certification program of the Linux Professional Institute is internationally recognised as the leading one in the LINUX community.

Objectives

The students will widen their knowledge about the Linux system and will acquire the knowledge required for the professional maintenance of server systems. The automation of system administration tasks using Bash and Perl forms part of the course objectives and so do the services Samba (Windows-file sharing) and NFS. Preparation of the examination 201 of the LPIC program. This examination is intended for system administrators of Linux systems. (Windows-file sharing) . The LPIC-2 (Advanced Level Administration) certificate is obtained in association with the examination 202 (see Linux Module IV).

Audience

- Security administrators
- Engineers
- System administrators

Course content

System administration

- Configuration, compilation and patching of the kernel
- Maintenance and administration of file systems
- RAID software
- Configuration of the system start
- System recovery
- Use of CD and DVD-R/RW
- System log files
- Troubleshooting

Server utilities

- Configuration of Samba
- Configuration of NFS

Automation

- Creating software packages
- Scripting using Bash and Perl

Duration of the course

5 days

8 am to 12 am, 1.30 pm to 5.30 pm

The course is subdivided in a 2-day module and a 3-day module.

Preliminary knowledge/Preparation

Participants are expected to have a solid basic knowledge of the functioning mode of PC hardware and TCP/IP networks.

The course for the module Linux II must have been completed previously. This course prepares for the Linux module IV and constitutes a complement for the security courses OPST and OPSA.

Contact

Dreamlab Technologies Ltd,
Mailto: education@dreamlab.net