THE URBAN PENGUIN'S

COMPLETE GUIDE TO LVM2 IN LINUX

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VOLUME MANAGEMENT IN LINUX

In this module we are going to step you through the process of managing LVM2, the Logical Volume Management system universally available in Linux. We will be using Ubuntu, CentOS and Arch Linux to ensure that you will be able to follow the exercises on your own system. LVM is a core component of any Linux distrubution and makes up certification objectives from the LPI LPIC-1 and LPIC-2 exams as well as the LFCS and RHCE exams. Being such a vital component to Linux LVM2 is also a very important topic to know regardless of any certification. With this in mind we will cover LVM2 from the very basics through to more advanced topics. Ensuring that you have all the knowledge that you need to be able to work with LVM2 as a true professional.

Should you be working though the labs by yourself having a Ubuntu 16.04, CentOS 7 or Arch 2017 system will be useful. To be honest, other than the installation the commands are consustent across distributuions. To complete the exercises we create and use raw files as disk. This means that you can complete

the exercises without the need of additonal disks being added to your system.

Target Audience

The course is targeted at those wishing to learn more about LVM2, the Linux Logical Volume Managment System, and who have a knowledge and inetrest in Linux System Administration. The module is focused around the Linux command line so those wishing to complete the course should be confident in working at the Linux CLI

Learning Goals

By the end of this module you will be able to:

- Configure basic and advance LVM2 disk arrays
- Configure LVM from disks, partitions and raw files
- Set metadata options for LVM2
- Relocate data across Physical Volumes
- Mirror data with LVM2
- Create data snapshots with LVM2
- Use LVM2 thin-provisioning
- List and restore previous configurations

The Urban Penguin

The Urban Penguin is based in the UK and run by Andrew Mallett. As a Linux training and consultancy company, The Urban Penguin produces training courses to help you learn Linux. Much of the training material created is free and online. Other content is provided at a charge via theurbapenguin's web site or through pluralsight.com where Andrew has authored 28 courses and counting.

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