

# Comparison and Performance Analysis of Standard and LVM Based Disk Partitioning

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- ▶ Each partition need not have the same file system

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- ▶ Partition utilities include fdisk, parted and diskutil

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- ▶ Organize personal data

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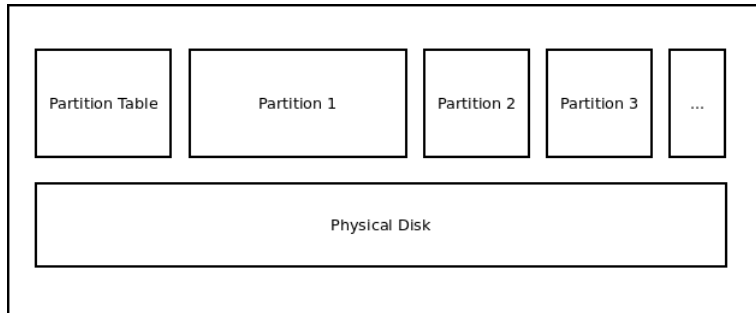


Figure 1: A typical partition table

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- ▶ Device Mapper acts as middle man between LVM and Linux

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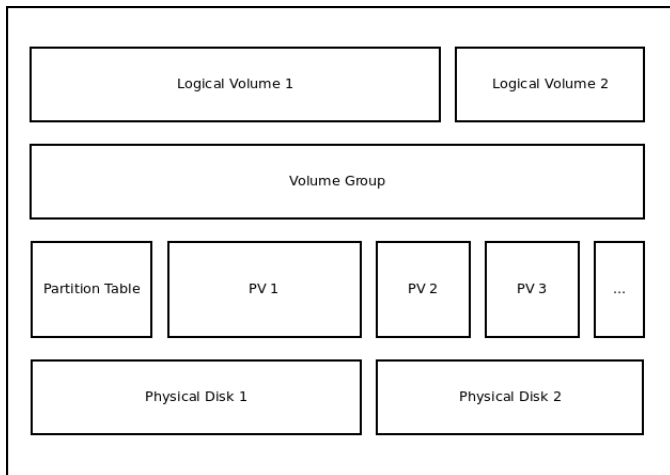


Figure 2: A typical LVM setup

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- ▶ Allows creating striped volume



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- ▶ LVM based machines takes around 20% more time to boot

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- ▶ Performance penalty is mostly negligible

## Source Code

[https://github.com/karuvally/lvm\\_seminar.git](https://github.com/karuvally/lvm_seminar.git)