dm-crypt

Concept & Usage

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openSUSE

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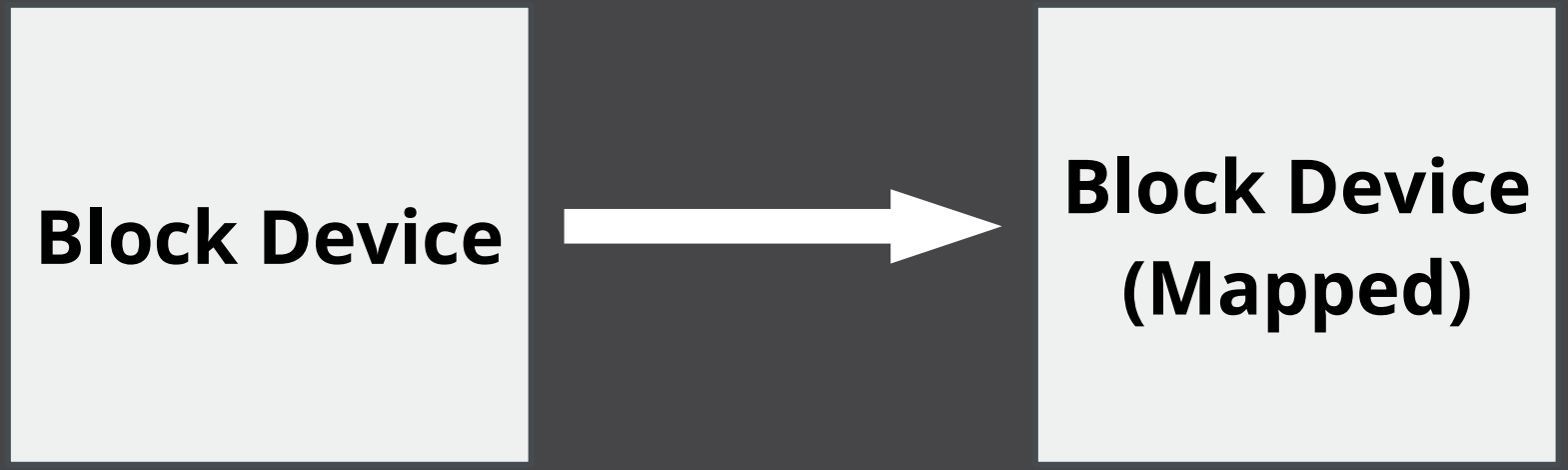
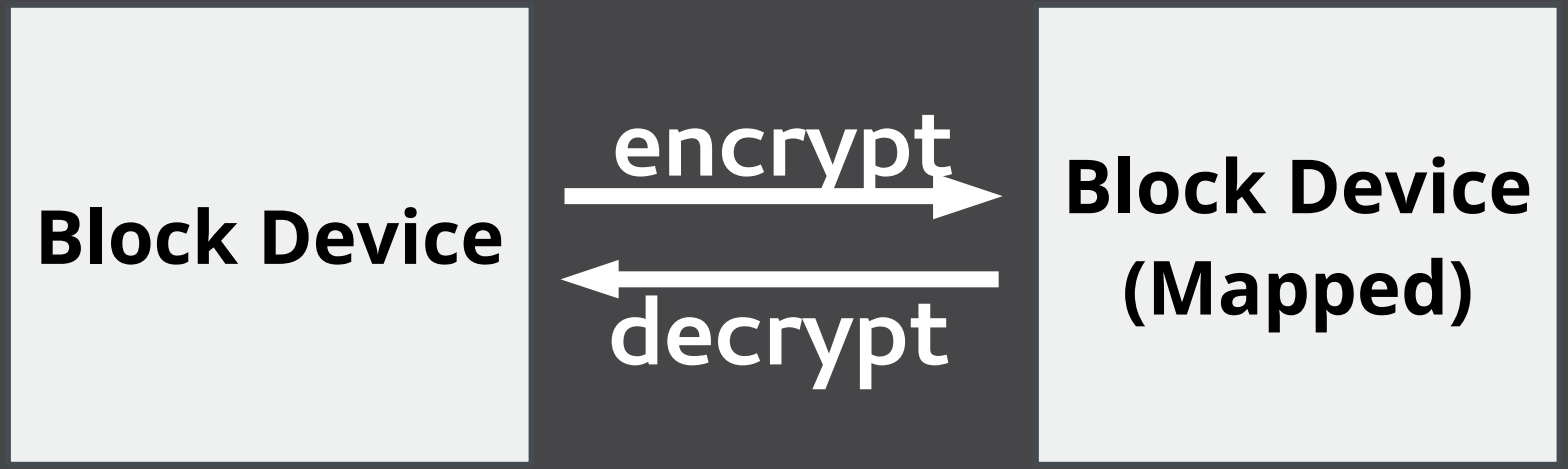
Concept

- dm-crypt, cryptsetup & LUKS

What is dm-crypt ?

Device Mapper


Block Device
Block Device
(Mapped)


Block Device
encrypt
decrypt
Block Device
(Mapped)

What is cryptsetup?

Command-line interface

Why using cryptsetup with LUKS?

“Saltless”

"Linux Unified Key Setup"

Specification
- platform-independent standard

"Linux Unified Key Setup"

Enhancement

Demo

Key in dm-crypt

luksAddKey

luksDump

luksHeaderBackup
luksHeaderRestore

dm-crypt in system

Setup on system installation

(demo)

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Thank you.

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