LUKS Commands

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| **Command** | **Purpose** |
| lsblk | Displays all storage devices available. |
| sudo umount /dev/[DEVICE NAME] | Unmounts a device, so it can be encrypted. |
| sudo cryptsetup luksFormat /dev/[DEVICE NAME] | Encrypts the device/partition. |
| sudo cryptsetup luksOpen /dev/[DEVICE NAME] | Opens the encrypted device. |
| sudo mkfs.ext4 /dev/mapper/[ENCRYPTED DEVICE NAME] | Formats the device to use the ext4 file system. |
| sudo mount /dev/mapper/[ENCRYPTED DEVICE NAME] | Mounts the encrypted device. |
| sudo cryptsetup luksHeaderBackup /dev/[DEVICE NAME] –header-backup-file /root/luks-header-backup | Backs up the LUKS header (STORE THIS SECURELY!). |
| sudo cryptsetup luksHeaderRestore /dev/[DEVICE NAME] | Restores LUKS header. |
| sudo cryptsetup luksChangePassphrase /dev/[DEVICE NAME] | Changes the password on for the device. |
| sudo cryptsetup luksDump /dev/[DEVICE NAME] | Lists all devices encrypted with LUKS. |