



System Storage Manager

<http://storagemanager.sourceforge.net/>

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System Storage Manager

- Aims to provide easy to use command line interface to manage your storage using various technologies like:
 - lvm
 - btrfs
 - encrypted volumes
 - mdraid
 - external storage
 - more. . .
- Single source of important storage information
- Written in Python
- Python module to use in other applications

Backends

- Python modules doing the actual work
- Provide information about the storage
- Provide interface to call specific actions
- **device - pool - volume - snapshot** abstraction
- Problems:
 - Mostly calling command line tools :(
 - Inconsistent behaviour between various technologies
 - What other backends do we want ? (partitions, images)

Commands

- Command line arguments for specific action required by user
 - Create - volume
 - List - devices, pools, volumes, snapshots, file systems
 - Remove - device, pool, volume, snapshot
 - Resize - volume
 - Check - file system
 - Add - device
 - Snapshot - volume
- Problems:
 - Slightly different semantics for different backends (btrfs vs lvm)
 - Undo functionality ?
 - More system integration ? (changing fstab, setting cron jobs)

More discussion

- How to persuade people to write libraries ?
 - fs-progs umbrella library
- How to integrate libStorageMgmt ?
- Verbosity ?
- Interactivity ?



The end.

Thanks for listening.