



Homework 3

frank

ZFS

- Automatic Snapshot Script

❑ Specification

- Usage: `./zbackup [--list | --delete] target dataset [ID] | target dataset [rotation count]`
- Example

```
$ sudo ./zbackup data/to/backup 5
```

```
$ sudo ./zbackup data/to/backup 5
```

```
$ sudo ./zbackup --list data/to/backup
```

ID	Dataset	Time
1	data/to/backup	2016-10-05 10:12:23
2	data/to/backup	2016-10-05 10:14:25

ZFS

- Automatic Snapshot Script

□ Specification

- Create (Default)
 - No more than ***rotation count*** snapshots per dataset
 - If no ***rotation count*** specified, max 20 snapshots are allowed
 - If ***rotation count*** has reached, delete the very first one
- List
 - List the snapshot created by zbackup
 - If dataset is specified, list only the snapshot of that dataset
 - Otherwise, list all of the snapshot
- Delete
 - Delete snapshots created by zbackup
 - Must specify dataset
 - If ID is specified, delete that one
 - Otherwise delete them all

ZFS

- Backup to google drive

- ☐ Backup your dataset to google drive
- ☐ Must compress with xz
- ☐ Must encrypt with aes256
- ☐ The filename should be dataset/to/backup@2016-10-12.xz.enc
- ☐ Download it and roll back