Short Petalibrary presentation
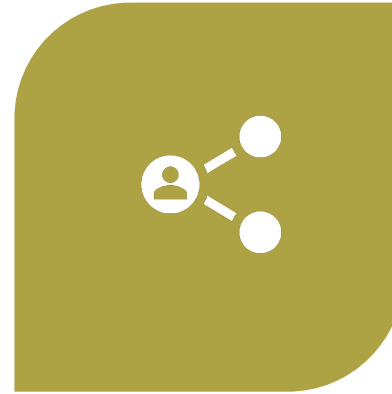
Kevin Fotso

Preliminary conditions (1)

CREATION OF AN ACCESS GROUP
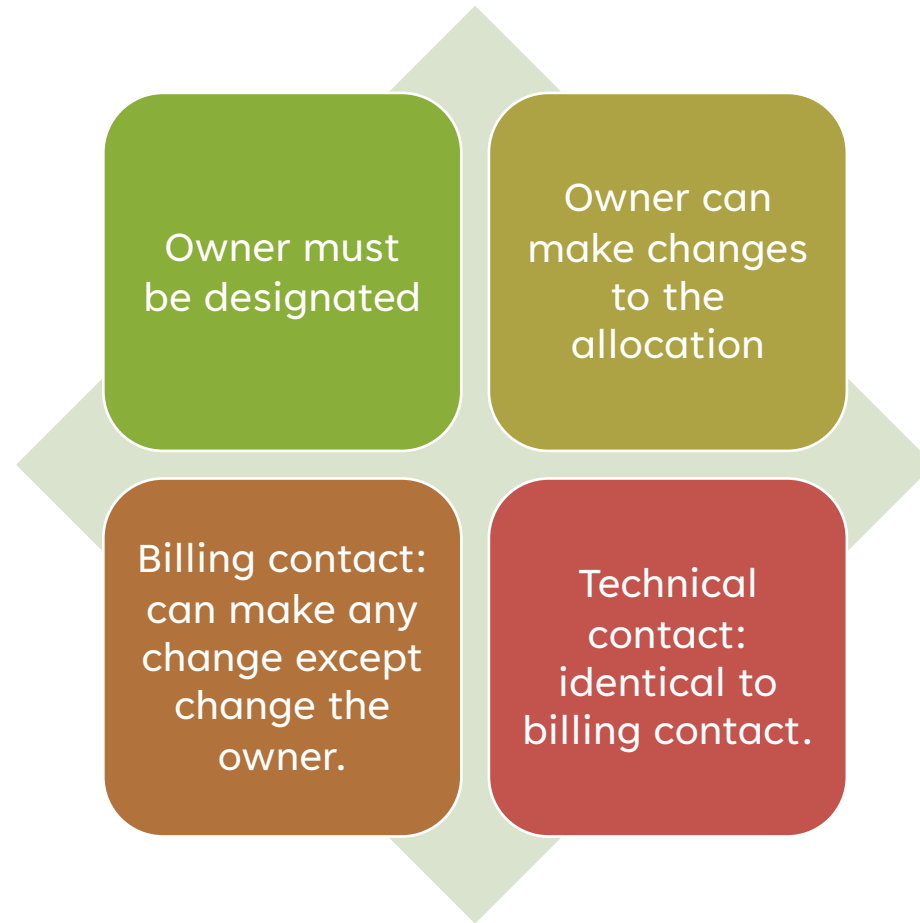
ALL MEMBER ADDED TO THE GROUP WILL NEED ACCESS/XSEDE ACCOUNTS.

```
/pl/active/<your_allocation_name>
/pl/archive/<your_allocation_name>
```
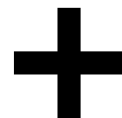
Preliminary conditions (2)

Owner must be designated

Owner can make changes to the allocation

Billing contact: can make any change except change the owner.

Technical contact: identical to billing contact.

Application

– Application submitted here: https://www.colorado.edu/rc/resources/petalibrary

– The request form will need a speedtype: account# to which they plan to charge the allocation.

Billing

- On active storage: $45/TB/yr.

- ZFS Raidz2 allow for frequent read/write + parity.

- It is highly suggested that total TB size for the year is determined in advanced by the owner.

Terms of usage

– Data will need to be in full compliance with term of service.

– No PHI data, no FERPA, no ITAR, no GDPR and data that comply with IRB requirements.

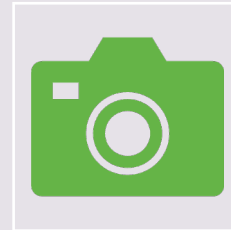– More information here: https://www.colorado.edu/rc/resources/petalibrary/tos

Data redundancy (1)

PL allocations are of single-copy nature.

All users should fill out the PL single copy acknowledgment.

Snapshots monitoring in place so that they are not missed unless on snapshot custom schedule
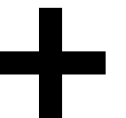
Sort term back up solutions (1)

– Microsoft OneDrive: 5TB per person through A3 licensing.

– S3 buckets: customer paid & rates located here: https://aws.amazon.com/s3/pricing/?p=pm&c=s3&z=4

– Multiple PL allocations as though customer requested 2 allocations (X2 price).

Sort term back up solutions (2)

- [BETA] Replicated PetaLibrary active +archive allocation.

- Nothing is charged during beta period but will likely look like Multiple PL allocations.

- CURC only takes data replication responsibility for BETA

Questions?