





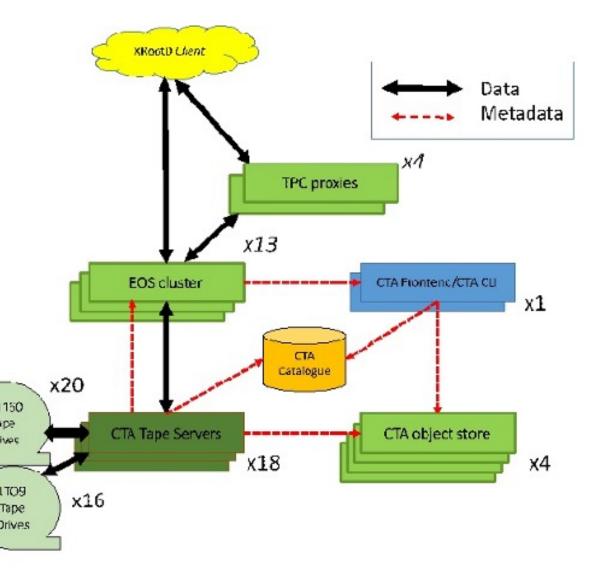
Storage R&D

Bo Jayatilaka SCD Projects Meeting 15 September 2022

CTA

- Enstore tape reads via CTA successful
 - Now able to read multiple files per mount
 - Merge request in now part of releases
 - Cleaning sessions assume CTA-format tapes; issue submitted
- Database migration plans
 - Postgres DB provisioned by DB group in CCD
 - Metadata migration should proceed with no tape operation (DB->DB)
 - Looking at Enstore schema and CTA schema to see what maps
- Operational deployment of CTA
 - Have details on RAL hardware configuration and CTA installation
 - Asking CERN

RAL config



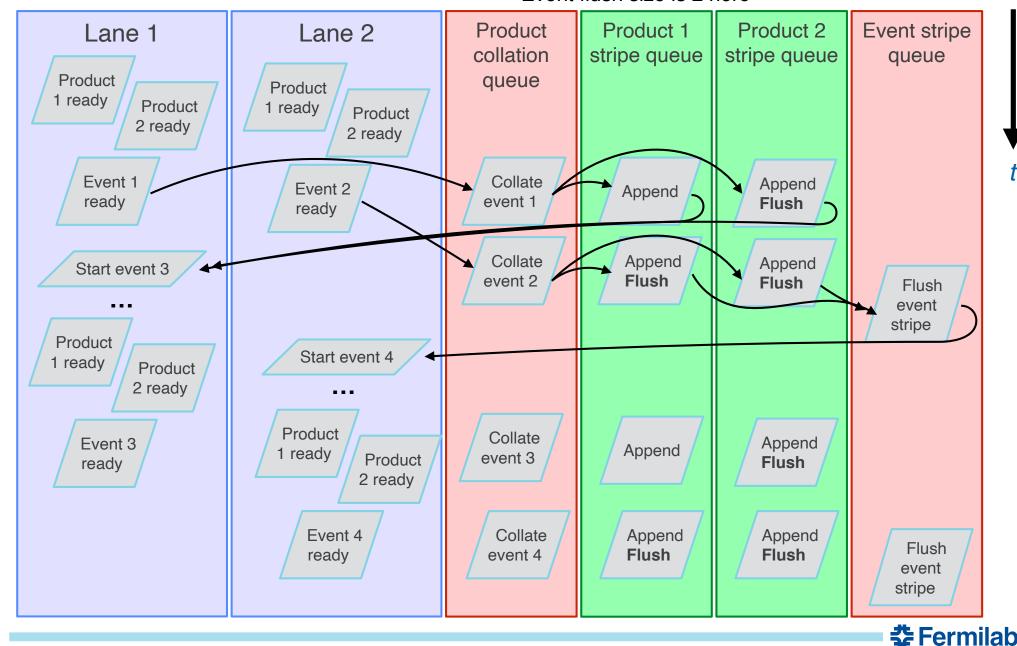


Ceph

- CephFS testing
 - Marc Mengel successfully attempted Spack builds on CephFS
 - Performance mostly CPU limited both erasure coded and 3x replication
- S3/Object stores
 - Testing CMS S3 read/write
 - Limitations on small objects so far
 - Also tested File:object access via S3
- Other
 - Successfully did version upgrade of Ceph (17.2)
 - Working on migrating CTA object store to Ceph
 - Planning discussion with EAF

S3Outputer design

Each box is a tbb task, arrows = dependency Product 2 flushes once an event (larger size) Event flush size is 2 here



22 Aug. 2022 Nick Smith I Object Stores

