



Deletion Campaign Spring 23

Data Management
Andrés Manrique

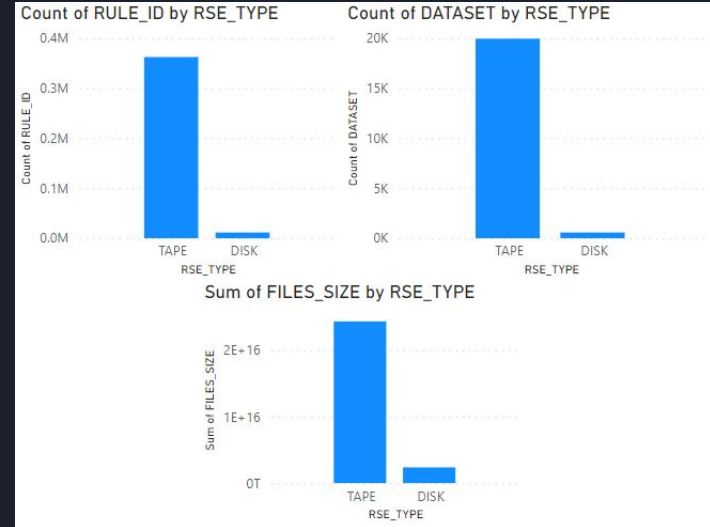


Process

1. CMS Datasets Identification
2. Rules matching Information
 - a. Dataset, Rule_id, RSE, RSE_TYPE, FILES_NUMBER, FILES_SIZE
 - b. How many space will be saved in total and per RSE?
3. List Orphan Tape Containers: containers that doesn't have rules and will be deleted because of the deletion mode
4. CMS Talk discussion about the datasets to delete
5. Disk Deletion
6. Tape deletion (one RSE by the time)
 - a. Configure site for deletion mode. (Reaper=True, Deletion=1, Read=0, Write=0, third_party_copy=1)

Expected deletions

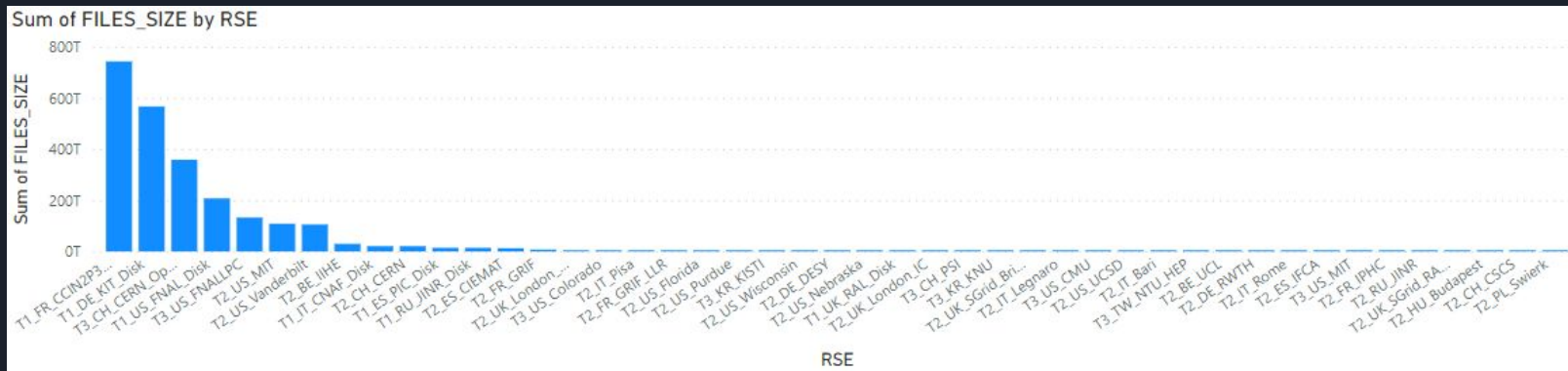
- Rules
 - Tape - 362,397
 - Disk - 11,533
- Datasets
 - Tape - 19,958
 - Disk - 576
- Space
 - Tape - ~24.47 PB
 - Disk - ~2.37 PB



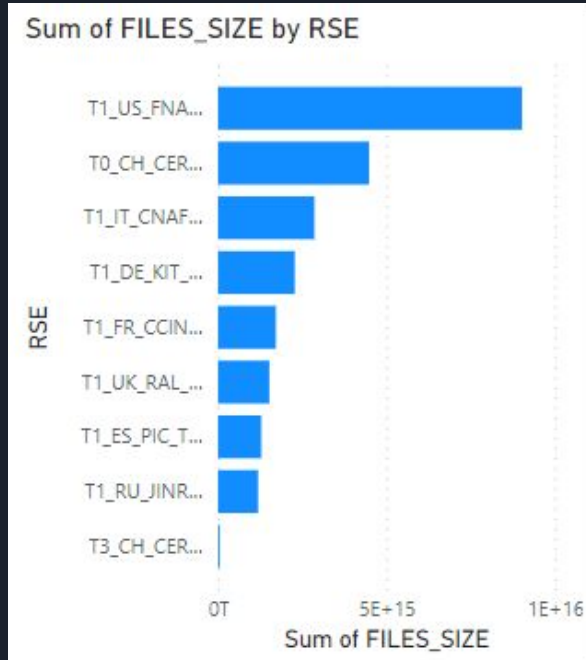
Disk Space Savings

Most Affected Sites

- T1_FR_CCIN2P3_Disk - ~743.09 TB
- T1_DE_KIT - ~566.93 TB
- T3_CH_CERN_OpenData - ~358.59 TB
- T1_US_FNAL_Disk - ~207.49 TB
- T3_US_FNALLPC - ~132.56 TB
- T2_US_MIT - ~108.62 TB



Tape Space Savings



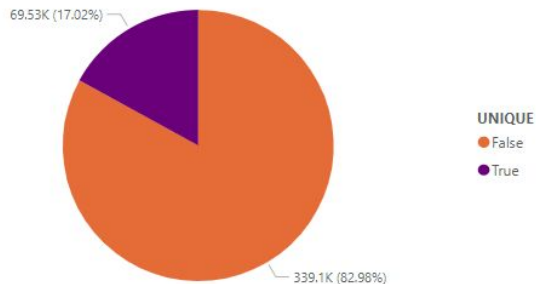
Affected Sites

- T1_US_FNAL_Tape - ~9.03 PB
- T0_CH_CERN_Tape - ~4.49 PB
- T1_IT_CNAF_Tape - ~2.86 PB
- T1_DE_KIT_Tape - ~2.28 PB
- T1_FR_CCIN2P3_Tape - ~1.72 PB
- T1_UK_RAL_Tape - ~1.52 PB
- T1_ES_PIC_Tape - ~1.28 PB
- T1_RU_JINR_Tape - ~1.72 PB
- T3_CH_CERN_CTA_CastorTest - ~5.18 TB

Additional Deletions - Orphan Replicas

- Total: 1.9PB
- Unique Files (No Locks): ~596T ~69.53K
- Protected in other places: ~1.3PB ~339.1K

Count of NAME by UNIQUE



Sum of REP_BYTES by UNIQUE

