

Rucio DaTRi replacement

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(on behalf of the Rucio team)

Overview

- Web Interface for Rucio Replication Rules
- Currently under active development
- Only for selected users

Not open for public use yet

(if interested please contact rucio-dev@cern.ch)

- Provides similar functionality as the CLI but in a multi step web interface:
 - Requesting of new rules
 - Listing of already created rules and they replication status
 - (in development) approval mechanism for special cases

Comparison old/new interface dataset/container selection

- Before: provide data pattern and data type
- Now: provide full dataset/container name or pattern and get a list of all matching datasets/container
- For each datasets/container show detailed metadata
- User can decide to continue with all matching datasets/containers or select a subset

Search and select datasets/containers

Select DIDs

Please start by entering a DID or DID wildcard and search for either containers or datasets. Then select the requested DIDs. Please do not use a trailing '/' for containers

Data pattern

Search



Container



Dataset

Show

10

Search:

entries

Name	
data15_cos.00212967.physics_EnhancedBias.merge.HIST_HLTMON.r6453_p1831_p1831_tid04873100_00	
data15_cos.00212967.physics_EnhancedBias.merge.HIST_HLTMON.r6453_p1831_tid04873099_00	
data15_cos.00212967.physics_EnhancedBias.merge.log.r6453_p1831_p1831_tid04873100_00	
data15_cos.00212967.physics_EnhancedBias.merge.log.r6453_p1831_tid04873099_00	
data15_cos.00212967.physics_EnhancedBias.recon.HIST_HLTMON.r6453_tid04873095_00	
data15_cos.00212967.physics_EnhancedBias.recon.log.r6453_tid04873095_00	
data15_cos.00250938.debug_all.daq.RAW	
data15_cos.00251101.debug_all.daq.RAW	
data15_cos.00251102.debug_all.daq.RAW	
data15_cos.00251103.debug_all.daq.RAW	
Name	

Showing 1 to 10 of 16,939 entries

Previous

1

2

3

4

5

...

1694

Next

Continue

Select All

Show dataset details

Select DIDs

Please start by entering a DID or DID wildcard and search for either containers or datasets. Then select the requested DIDs. Please do not use a trailing '/' for containers

Data pattern

data15_cos.*

Search

☐ Container ☒ Dataset

Show

10

Search:

entries

Name	
data15_cos.00212967.physics_EnhancedBias.merge.HIST_HLTMON.r6453_p1831_p1831_tid04873100_00	
accessed_at	Tue, 10 Mar 2015 11:02:57 UTC
account	panda
availability	AVAILABLE
bytes	9910961
created_at	Mon, 23 Feb 2015 15:32:09 UTC
did_type	DATASET
hidden	false
is_open	false
length	1
monotonic	false
name	data15_cos.00212967.physics_EnhancedBias.merge.HIST_HLTMON.r6453_p1831_p1831_tid04873100_00
obsolete	false
project	data15_cos
scope	data15_cos
suppressed	false
updated_at	Tue, 10 Mar 2015 12:03:14 UTC

Comparison old/new interface DDM endpoint selection

- Before: provide one specific endpoint from a list of all endpoints
- Now: either select endpoint (RSE) from list of all endpoints
- Or provide an RSE expression where the system picks an endpoint matching the expression

Select RSE from list of RSEs

Selects RSEs

Please enter an RSE.

RSE

FZK|

Check Quota

Continue

Options

FZK-LCG2_DATADISK

FZK-LCG2_DATATAPE

FZK-LCG2_GROUPTAPE_PERF-EGAMMA

FZK-LCG2_LOCALGROUPDISK

FZK-LCG2_LOCALGROUPTAPE

FZK-LCG2_MCTAPE

FZK-LCG2_PERF-EGAMMA

FZK-LCG2_PERF-IDTRACKING

FZK-LCG2_PERF-TAU

FZK-LCG2_SCRATCHDISK

FZK-LCG2_TAPE-STAGING

Use of an RSE expression

Selects RSEs

Please enter an RSE or an RSE expression.

RSE

tier=2&cloud=DE&spacetoken=ATLASLOCALGROUPDISK

Check Quota

Search

Show

10

Search:

entries

Name
CSCS-LCG2_LOCALGROUPDISK
CYFRONET-LCG2_LOCALGROUPDISK
DESY-HH_LOCALGROUPDISK
DESY-ZN_LOCALGROUPDISK
FMPHI-UNIBA_LOCALGROUPDISK
GOEGRID_LOCALGROUPDISK
HEPHY-UIBK_LOCALGROUPDISK
IEPSAS-KOSICE_LOCALGROUPDISK
LRZ-LMU_LOCALGROUPDISK
MPPMU_LOCALGROUPDISK
Name

Showing 1 to 10 of 13 entries

Previous

1

2

Next

Continue

Select options

Options

Please select/enter your wanted options and then submit your rule request.

Grouping

☐ All ☒ Dataset ☐ None

Lifetime (in days). Leave empty for infinite lifetime.

14

Copies

1

Comment

Submit Rule

Quotas and Approval

- Currently working only when quota is available
 - If a rule is requested the system checks if the requesting account has enough quota on the selected RSE
 - If no quota is defined or all quota is taken up the rule is rejected
- Approval mechanism in future versions:
 - If the account has no quota he can ask explicitly for approval of the rule
 - The rule will be in a waiting state and an approval request will be sent

Current Quota Set Up

- all accounts have quota on SCRATCHDISK
- based on the country, accounts have quota on the LOCALGROUPDISKs of the country
- physics group accounts have quota on their GROUPDISKs
- only special accounts (panda, tzero) have quota on DATADISK