

# Data Management: Tool Architecture



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<https://indico.cern.ch/event/982904/>

# Transfer Status Page

<https://alimonitor.cern.ch/transfers>

Transfer request functionality already in place

Add new transfer request

AliEn path:  Folder, collection, or path|filter in `find` style, or VO::SE::NAME

Target SE name:

Skip known files:  if the same files were previously transferred using this interface, skip checking

**Transfer requests** (add new request)

ID	Path	Target SE	Status	Progress	Files	Total size	Started	Ended
16742.	Recover nanxrd10 at Subatech	ALICE::SUBATECH::EOS	Error	<div style="width: 100%; height: 10px; background-color: green; position: relative;"><div style="width: 95%;"></div><div style="width: 5%; background-color: red;"></div></div>	139451	8.731 TB	04 Dec 2020 12:10	yesterday 08:40
16741.	Replicate PWGZZ/Run3_Conversion	ALICE::KFKI::EOS	Done	<div style="width: 100%; height: 10px; background-color: green;"></div>	1629	783.7 GB	04 Dec 2020 11:45	04 Dec 2020 12:56
16740.	Replicate missing PWGZZ Run3 Conv to GSI	ALICE::GSI::SE2	Error	<div style="width: 100%; height: 10px; background-color: green; position: relative;"><div style="width: 95%;"></div><div style="width: 5%; background-color: red;"></div></div>	1413	2.7 GB	30 Nov 2020 21:17	30 Nov 2020 21:34
16739.	Recover nanxrd09 at Subatech	ALICE::SUBATECH::EOS	Error	<div style="width: 100%; height: 10px; background-color: green; position: relative;"><div style="width: 95%;"></div><div style="width: 5%; background-color: red;"></div></div>	614	37.52 GB	24 Nov 2020 21:35	24 Nov 2020 23:37
16738.	Recover files at LBL	ALICE::LBL_HPCS::EOS	Error	<div style="width: 100%; height: 10px; background-color: green; position: relative;"><div style="width: 95%;"></div><div style="width: 5%; background-color: red;"></div></div>	66	6.362 GB	24 Nov 2020 20:46	24 Nov 2020 21:20
16737.	Recover files for CERN::CTA	ALICE::CERN::CTA	Error	<div style="width: 100%; height: 10px; background-color: green; position: relative;"><div style="width: 95%;"></div><div style="width: 5%; background-color: red;"></div></div>	17	14.83 GB	23 Nov 2020 10:32	23 Nov 2020 11:06
16736.	Recover files at Kosice	ALICE::KOSICE::EOS	Error	<div style="width: 100%; height: 10px; background-color: green; position: relative;"><div style="width: 95%;"></div><div style="width: 5%; background-color: red;"></div></div>	122527	3.792 TB	04 Nov 2020 09:58	24 Nov 2020 15:56
16735.	Replicating to GSI::SE2	ALICE::GSI::SE2	Done	<div style="width: 100%; height: 10px; background-color: green;"></div>	152	26.01 GB	19 Oct 2020 14:56	19 Oct 2020 15:08
16734.	Replicate files to GSI	ALICE::GSI::SE2	Done	<div style="width: 100%; height: 10px; background-color: green;"></div>	6012	1.285 TB	30 Sep 2020 10:52	24 Nov 2020 14:51

# [Concept] Copy Collection

Production and SE selection

Copy button to start replication

Production type: **PWGCF** Storage element: **GSI::SE2**

Production info					Transfer Status						
ID	Tag	Status	Done%	Availability	ID	Path	Status	Progress	Files	Total size	Action
15943	PWGPP/Upgrade_ITS_MFT	Completed	92%	Warn	-	-	-				Add
15945	↳ PWGPP/Upgrade_ITS_MFT_Stage1_Merging	Completed	100%	Completed	19001	Replicate to GSI::SE2	Done	<div style="width: 100%;"></div>	3000	1.5 TB	Add
15947	↳ PWGPP/Upgrade_ITS_MFT_Stage2_Merging	Completed	100%	Warn	-	-	-				Add
15948	↳ PWGPP/Upgrade_ITS_MFT_Stage5_FinalMerging	Completed	100%	Running	19002	Replicate to GSI::SE2	Running	<div style="width: 50%;"></div>	1000	500 GB	Add
9661	PWGPP/DPG_MC_ESD	Completed	93%	Completed	-	-	-				Add
9662	↳ PWGPP/DPG_MC_ESD_Stage1_Merging	Completed	99%	Completed	-	-	-				Add
9663	↳ PWGPP/DPG_MC_ESD_Stage2_Merging	Completed	99%	Completed	-	-	-				Add
9669	↳ PWGPP/DPG_MC_ESD_Stage3_Merging	Completed	99%	Completed	-	-	-				Add
9664	↳ PWGPP/DPG_MC_ESD_Stage5_FinalMerging	Completed	99%	Completed	-	-	-				Add
9650	PWGPP/DPG_AOD	Running	97%		-	-	-				Add
9651	↳ PWGPP/DPG_AOD_Stage1_Merging	Completed	99%		-	-	-				Add

Disk storage element: GSI::SE2

AllEn SE		Catalogue statistics						Storage-provided information						Functional tests				Last day add tests		Demotion	IPv6	
AllEn name	Tier	Size	Used	Free	Usage	No. of files	Type	Size	Used	Free	Usage	Version	EOS Version	add	get	rm	3rd	Last OK add	Successful	Failed	factor	add
ALICE::GSI::SE2	2	4.3 PB	4.229 PB	72.88 TB	98.34%	166,438,835	FILE	4.3 PB	3.928 PB	381.1 TB	91.34%	Xrootd v4.12.3						07.12.2020 21:49	24	0	0.588%	Test...

Status of target SE along with support details

# [Concept] Remove Replica

Production and SE selection

Size of the collection at target SE

Production type: **PWGCF** Storage element: **GSI::SE2**

Production info				Target SE Availability			
ID	Tag	Status	Done%	Availability	Files	Total size	Action
15943	PWGPP/Upgrade_ITS_MFT	Completed	92%	Warn			Remove
15945	↳ PWGPP/Upgrade_ITS_MFT_Stage1_Merging	Completed	100%	Completed	3000	1.5 TB	Remove
15947	↳ PWGPP/Upgrade_ITS_MFT_Stage2_Merging	Completed	100%	Warn			Remove
15948	↳ PWGPP/Upgrade_ITS_MFT_Stage5_FinalMerging	Completed	100%	Replicating	1000	500 GB	Remove
9661	PWGPP/DPG_MC_ESD	Completed	93%	Completed	10000	6 TB	Remove
9662	↳ PWGPP/DPG_MC_ESD_Stage1_Merging	Completed	99%	Completed	5000	3 TB	Remove
9663	↳ PWGPP/DPG_MC_ESD_Stage2_Merging	Completed	99%	Completed	2500	1.5 TB	Remove
9669	↳ PWGPP/DPG_MC_ESD_Stage3_Merging	Completed	99%	Completed	1500	800 GB	Remove
9664	↳ PWGPP/DPG_MC_ESD_Stage5_FinalMerging	Completed	99%	Completed	1000	700 GB	Remove
9650	PWGPP/DPG_AOD	Running	97%				Remove
9651	↳ PWGPP/DPG_AOD_Stage1_Merging	Completed	99%				Remove

Remove replica button

Disk storage element: GSI::SE2

AllEn SE		Catalogue statistics						Storage-provided information					Functional tests				Last day add tests		Demotion	IPv6		
AllEn name	Tier	Size	Used	Free	Usage	No. of files	Type	Size	Used	Free	Usage	Version	EOS Version	add	get	rm	3rd	Last OK add	Successful	Failed	factor	add
ALICE::GSI::SE2	2	4.3 PB	4.229 PB	72.88 TB	98.34%	166,438,835	FILE	4.3 PB	3.928 PB	381.1 TB	91.34%	Xrootd v4.12.3						07.12.2020 21:49	24	0	0.588%	Test...

Status of target SE along with support details