

Tier1 Report 05/02/2025

Activity for Last Week:

- LHCOPN break in Germany
 - (successful failover to LHCONE)
 - Lack of notification from Geant/JISC/DI
- Echo manager hosts load issue cause transfer failures
 - Increase # CPUs and other changes help mitigate
 - Shortly to move to physical HW ((should verify hw requirements)
- FTS now on central DBs
- ATLAS R/O in Antares due to using allocation
- Migration to new helpdesk.ggus.eu

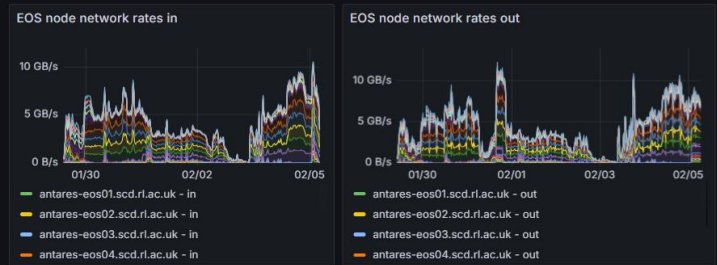
Changes/News for upcoming week

- Batch
- Echo
- Tape
- Grid Services
- Network

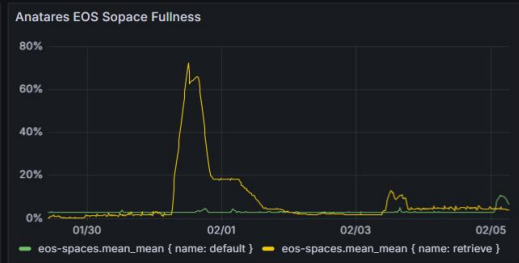
New Summary Dashboard in progress.

<https://vande.gridpp.rl.ac.uk/next/d/egvWB4Vz/tier1-vo-service-summary?orgId=1&refresh=1m>

count 2207015



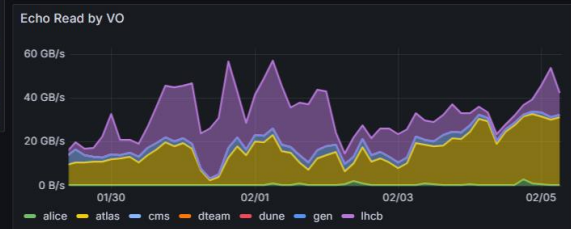
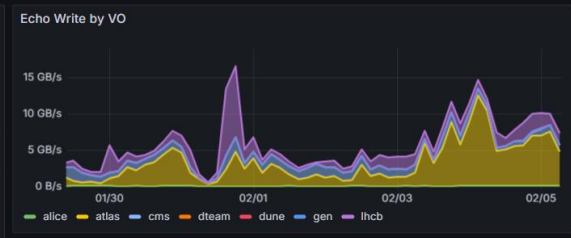
Antares



Echo

Joint xroot/WebDav Gateway Health

ceph-gw14.gridpp.rl.ac.uk	ok
ceph-gw15.gridpp.rl.ac.uk	ok
ceph-gw16.gridpp.rl.ac.uk	ok
ceph-svc01.gridpp.rl.ac.uk	ok
ceph-svc02.gridpp.rl.ac.uk	ok
ceph-svc03.gridpp.rl.ac.uk	ok
ceph-svc05.gridpp.rl.ac.uk	ok
ceph-svc07.gridpp.rl.ac.uk	ok
ceph-svc08.gridpp.rl.ac.uk	ok
ceph-svc09.gridpp.rl.ac.uk	ok
ceph-svc11.gridpp.rl.ac.uk	ok
ceph-svc13.gridpp.rl.ac.uk	ok
ceph-svc14.gridpp.rl.ac.uk	ok
ceph-svc15.gridpp.rl.ac.uk	ok
ceph-svc17.gridpp.rl.ac.uk	ok

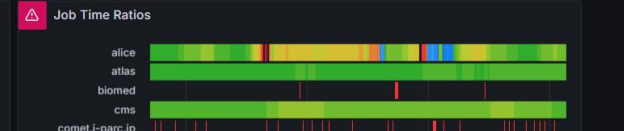
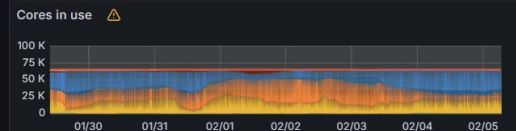


Batch Services

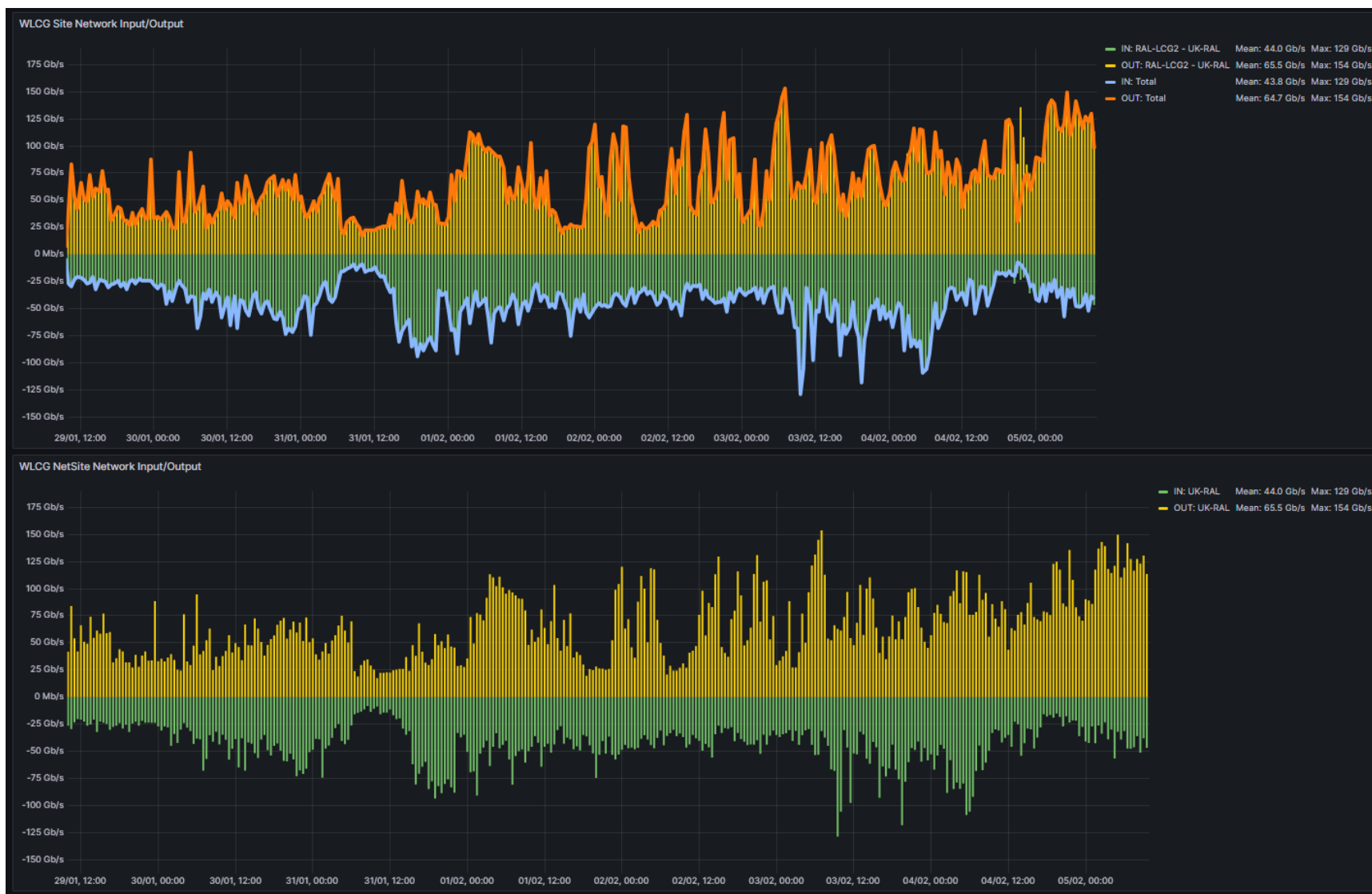
Available	A1	Tc	Available	Used Cor.	Ri	Efficiency
98.9%	100%	98.9%	64696	63964	38817	91.1%

Monthly Average Cores in use / allocation

group_ALICE	group_ATLAS	group_CMS	group_LHCB	group_LIGO	group_NONLHC
137%	53%	219%	131%	0%	58%

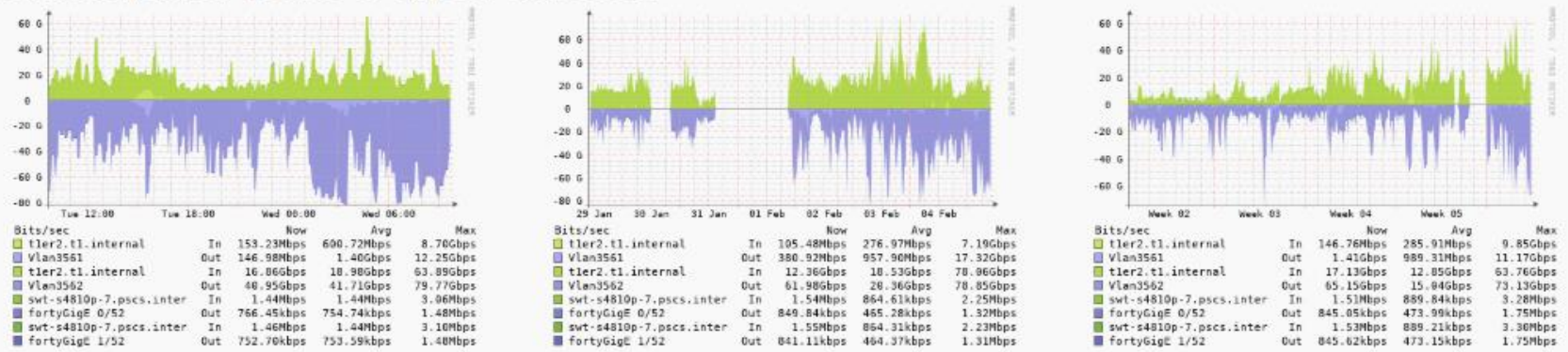


<https://monit-grafana-open.cern.ch/d/Mwuxgoglk/wlcg-site-network?orgId=16&var-site=RAL-LCG2&var-binning=1h&from=now-30d&to=now>



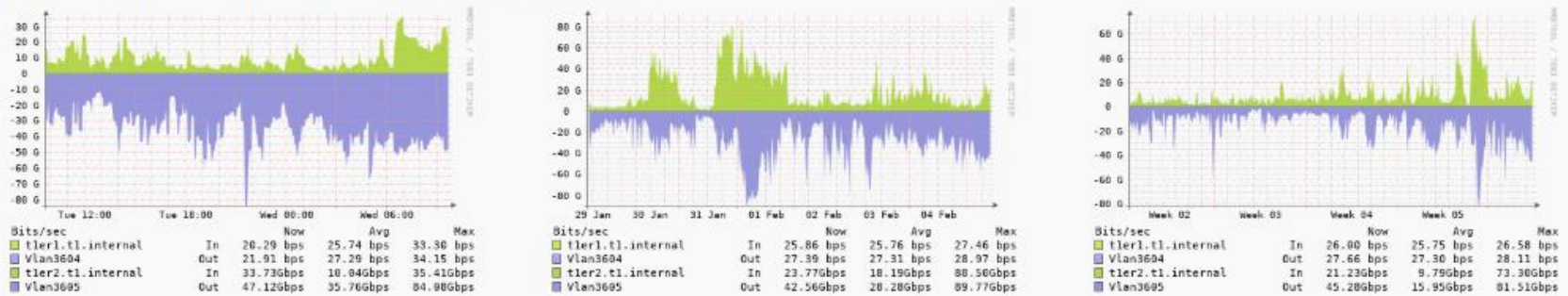
<https://librenms.gridpp.rl.ac.uk/iftypetype=LHCOPN>

Total Graph for ports of type : LHCOPN



<https://librenms.gridpp.rl.ac.uk/ifttype/type=LHCONE>

Total Graph for ports of type : LHCONE



CMS: https://cmsst.web.cern.ch/sitereadiness/report.html#T1_UK_RAL

T1_UK_RAL

GGUS Tickets: 165969

Downtimes:

SAM Status: 100% 96% 100% 96% 100% 100% 100% 100% 100% 100% 100% 59% 100% 100% 100% 100%

Hammer Cloud: 100% 100% 99% 100% 99% 98% 100% 100% 100% 99% 100% 100% 100% 100% 100% 100%

FTS Status: 0% 0% 0% 47% 100% 0% 100% 100% 0% 100% 0% 0% 0% 100% 92% 0%

Site Readiness: 99% 94% 97% 94% 95% 91% 100% 99% 95% 99% 100% 59% 99% 96% 84% 67%

Life Status:

Prod Status:

CRAB Status:

Rucio Status:

20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5
Jan												Feb				

- = ok / enabled
- = warning / drain, test
- = error / disabled

- ? = unknown / not set
- WR = Waiting Room state
- M = Morgue state

- D = Scheduled Downtime
- P = Partial Downtime
- U = Ad Hoc Downtime

https://cmsst.web.cern.ch/siteStatus/detail.html?site=T1_UK_RAL

T1_UK_RAL Site Status Detail (We, 2025-Feb-05 09:24 G)

Metric	Prev. Month	Previous Week	Yesterday	UTC Today	Following Week
Downtime(s)					
SAM (1day)					
HC (1day)					
FTS (1day)					
SiteReadiness (1day)					
Life Status					
Life Override					
Prod Status					
Prod Override					
Crab Status					
Crab Override					
Rucio Status					
Rucio Override					
GGUS tickets:	[168888]				
SAM Status					
Hammer Cloud					
FTS Status					
Site Readiness					
Summary					

ATLAS:

<https://hammercloud.cern.ch/hc/app/atlas/siteoverview/?site=RAL-LCG2&startTime=2024-07-17&endTime=2024-07-24&templateType=isGolden>

Timeline for from 2025-01-29 to 2025-02-06:

Export json

RAL

1184 (functional) -... 1283 (functional) -... 1272 (functional) -... 1273 (functional) -...

Template: 1184 (functional) - PFT mc15 Sim_tf 21.0.15 FC

Time	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Eff[%]	
05/02/25	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	m	0	0	0	0	0	0	0	0	0	100
04/02/25	c	c	c	c	c	c	c	c	c	c	c	m	c	c	c	c	c	c	c	c	c	c	c	c	c	100
03/02/25	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	100
02/02/25	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	100
01/02/25	c	c	c	c	c	c	c	c	c	c	c	s	c	c	c	c	c	c	c	c	c	c	c	c	c	100
31/01/25	c	c	c	c	c	c	c	c	c	c	f	m	m	c	f	f	c	f	f	f	f	m	f	m	c	80
30/01/25	c	c	c	c	c	c	c	c	c	c	c	c	c	c	m	c	c	c	s	c	c	c	c	c	c	99
29/01/25	c	c	c	c	c	c	c	f	0	0	0	c	c	0	0	c	0	c	s	c	c	s	s	c	c	98

Error Report [+] Expand

10 entries per page Search:

Showing 1 to 10 of 16 entries « < 1 2 > »

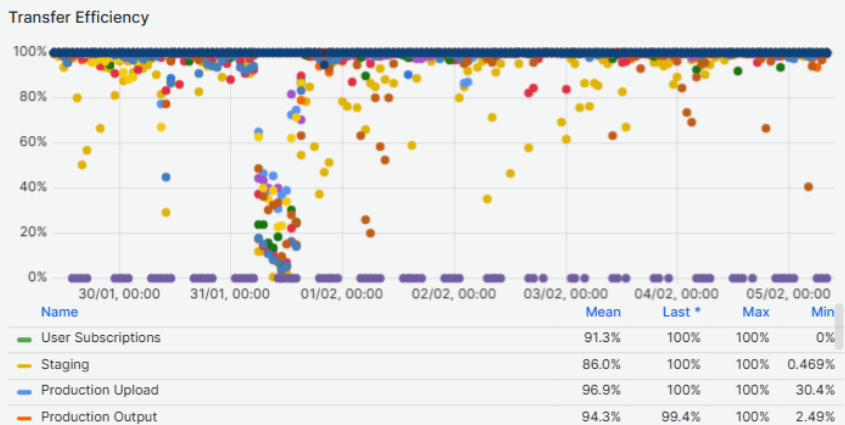
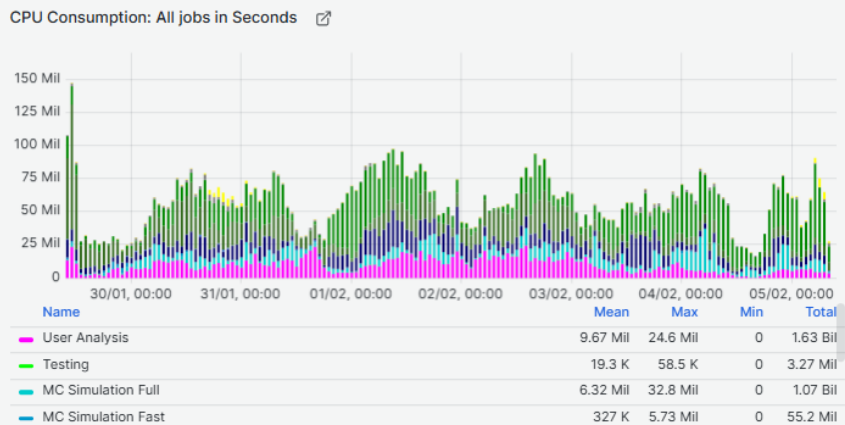
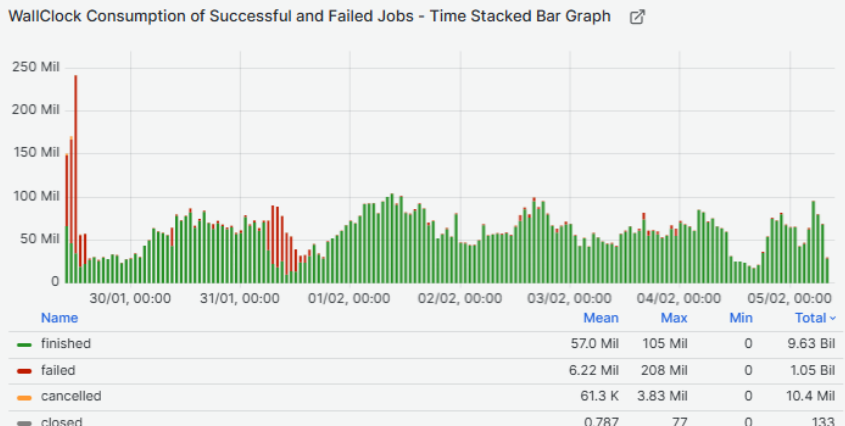
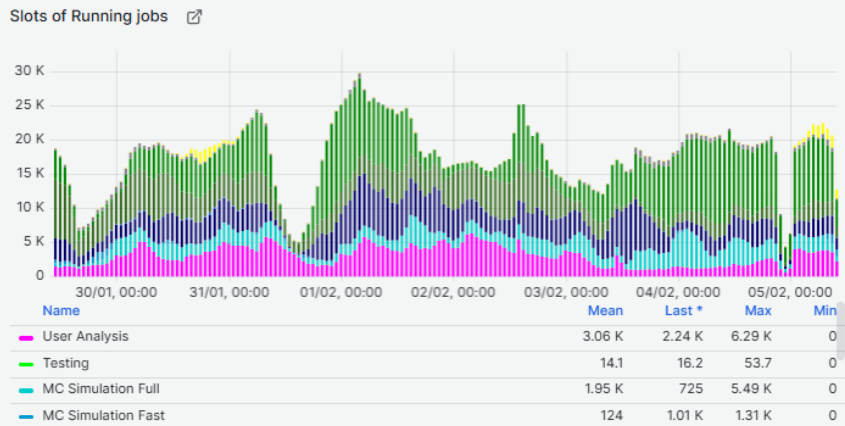
RAL-LCG2_MCORE

1184 (functional) -... 1283 (functional) -...

Template: 1184 (functional) - PFT mc15 Sim_tf 21.0.15 FC

Time	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Eff[%]	
05/02/25	c	c	c	c	c	c	s	c	c	c	c	c	s	c	c	c	c	m	0	0	0	0	0	0	0	100
04/02/25	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	s	c	c	c	c	100
03/02/25	c	c	c	c	c	c	c	c	c	c	c	c	c	c	s	c	c	c	c	c	c	c	c	c	c	100
02/02/25	c	c	c	c	c	c	c	s	s	s	s	s	c	c	s	s	s	c	c	c	c	c	c	c	c	100
01/02/25	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	s	s	100
31/01/25	c	c	c	c	c	c	c	c	c	c	f	c	f	f	f	f	f	f	f	f	c	f	f	c	f	78

Site Dashboard: https://monit-grafana.cern.ch/d/D26vElGGz/site-oriented-dashboard?orgId=17&var-bin=1h&var-groupby_jobs=adactivity&var-groupby_ddm=activity&var-cloud=All&var-country=All&var-federation=All&var-site=RAL-LCG2&var-computingsite=All&var-jobtype=All&var-es_division_factor=1&var-measurement=ddm_transfer_1h



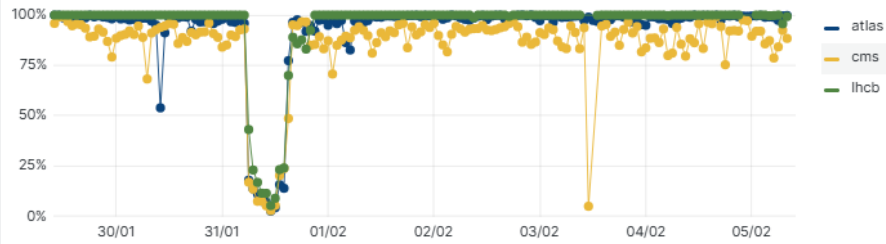
Walltime efficiency based on successful/accomplished jobs

Volume per job

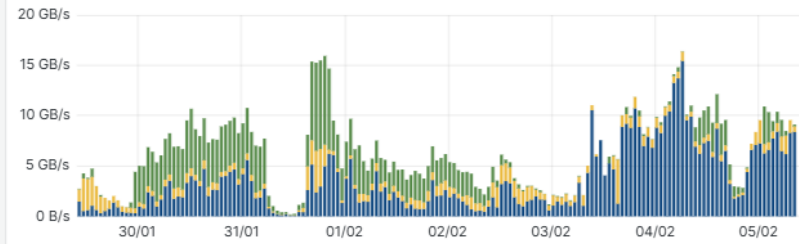
Transfer Rates

<https://tinyurl.com/RAL-Ingest-FTS>

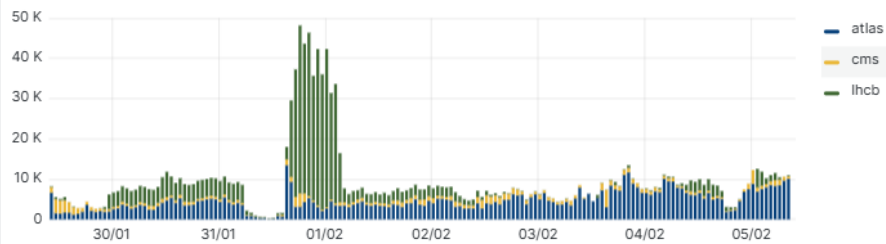
Efficiency



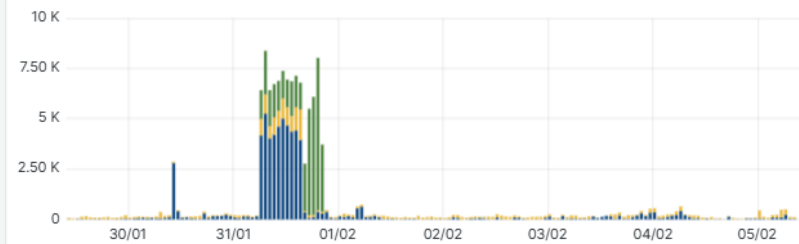
Transfer Throughput



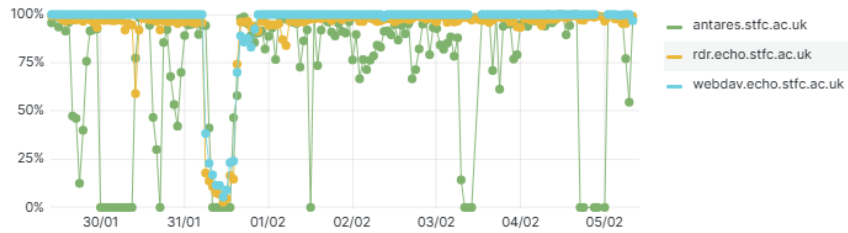
Transfer Successes



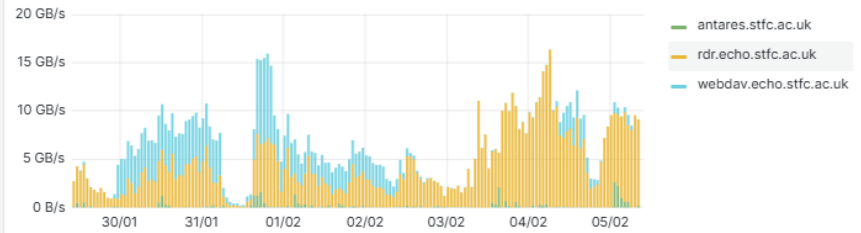
Transfer Failures



Efficiency



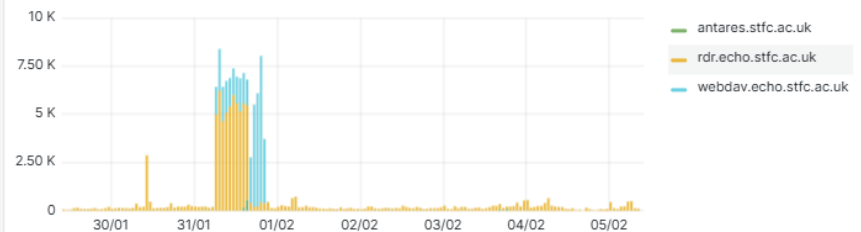
Transfer Throughput



Transfer Successes



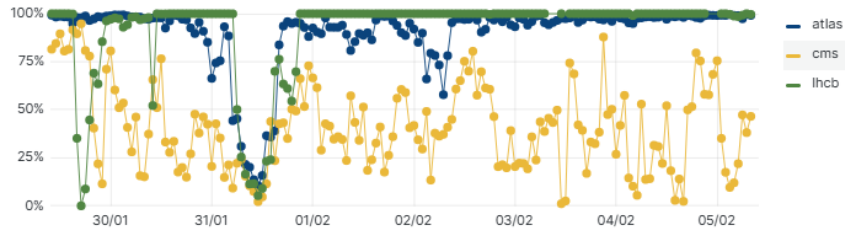
Transfer Failures



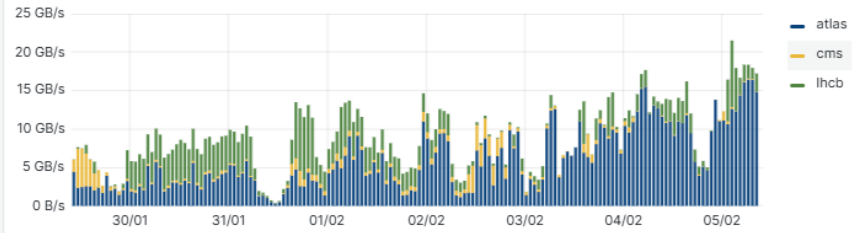
RECALL

<https://tinyurl.com/RAL-recall>

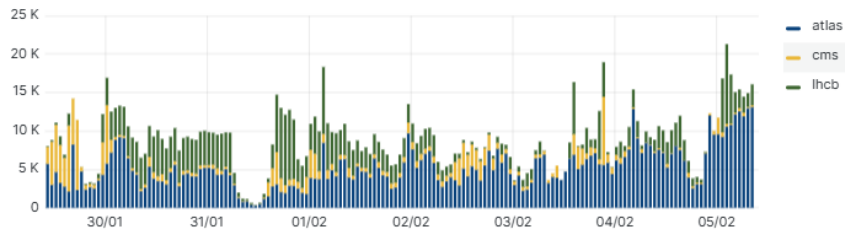
Efficiency



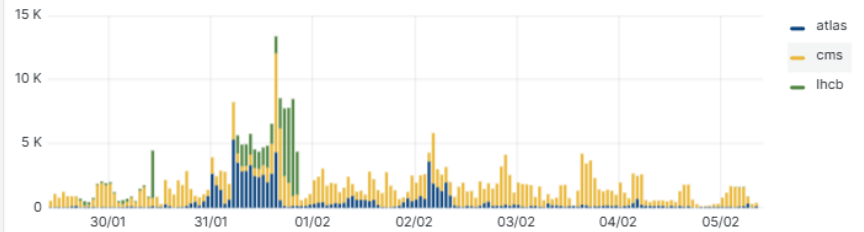
Transfer Throughput



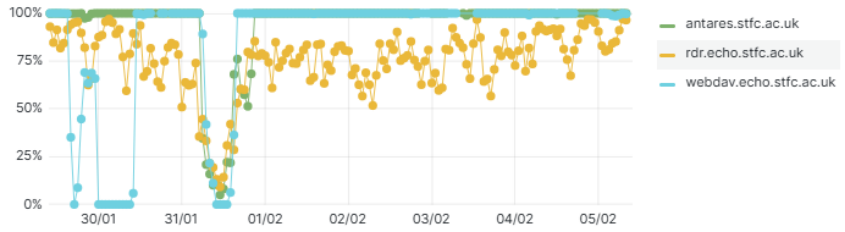
Transfer Successes



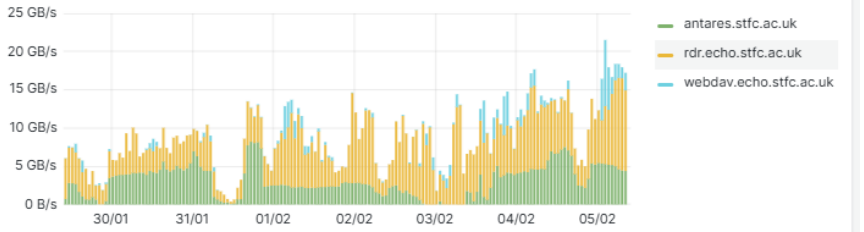
Transfer Failures



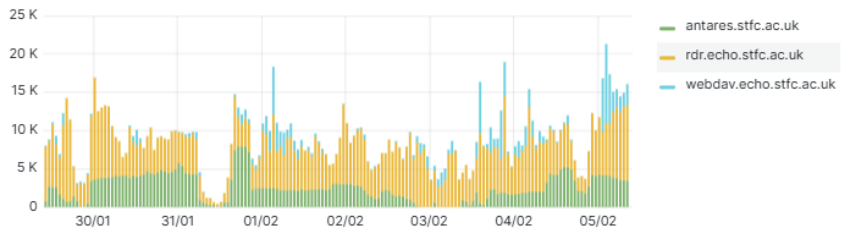
Efficiency



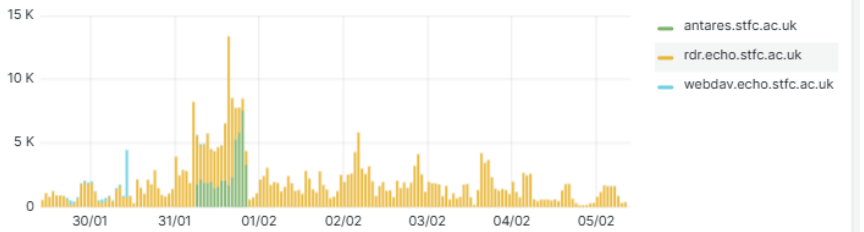
Transfer Throughput



Transfer Successes



Transfer Failures



LHCB: https://monit-grafana.cern.ch/d/000000619/wlcg-sitemon-historical-profiles?orgId=20&from=now-30d&to=now&var-vo=lhcb&var-profile=LHCB_CRITICAL&var-dst_tier=1&var-dst_country=UK&var-dst_federation=All&var-dst_experiment_site=LCG.RAL.uk&var-service_flavour=ARC-CE&var-dst_hostname=All&var-recomputation=status

Site ↑

Availability

Reliability

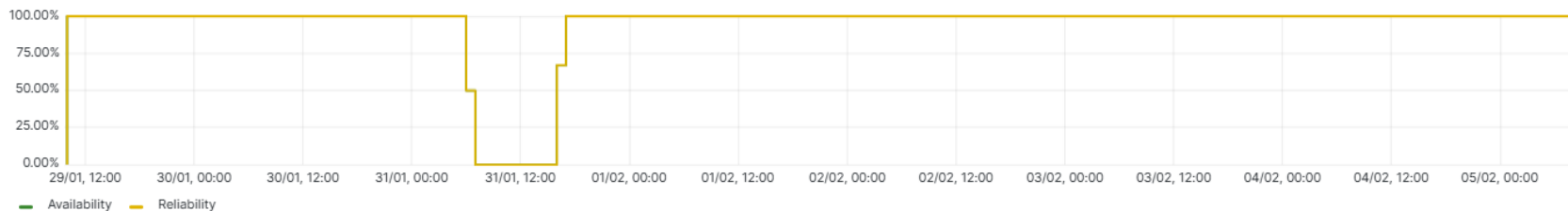
LCG.RAL.uk



94.15%



94.15%



Site Status

LCG.RAL.uk:



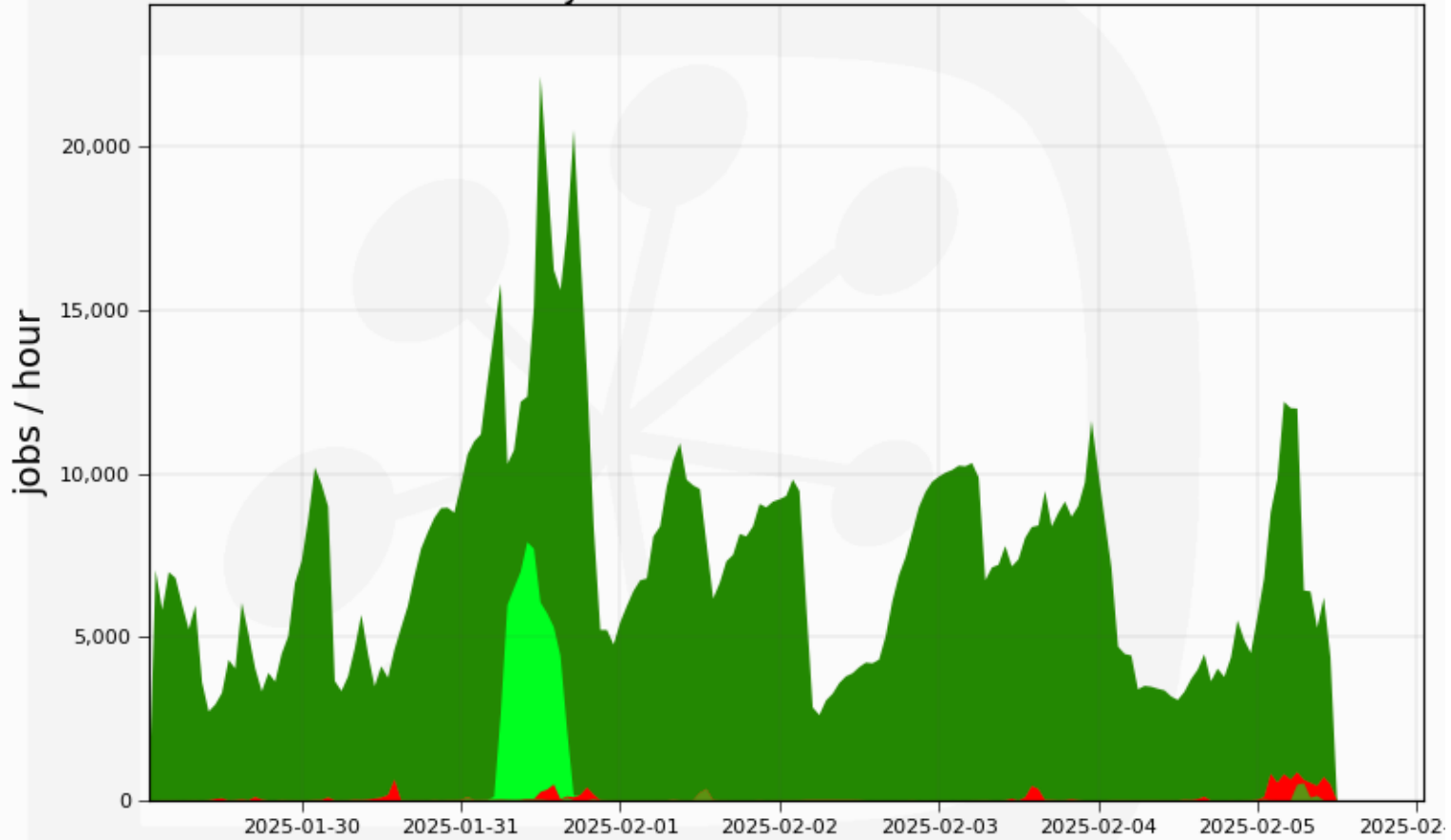
Endpoint Status



Jobs:

Jobs by FinalMajorStatus

8 Days from 2025-01-29 to 2025-02-06

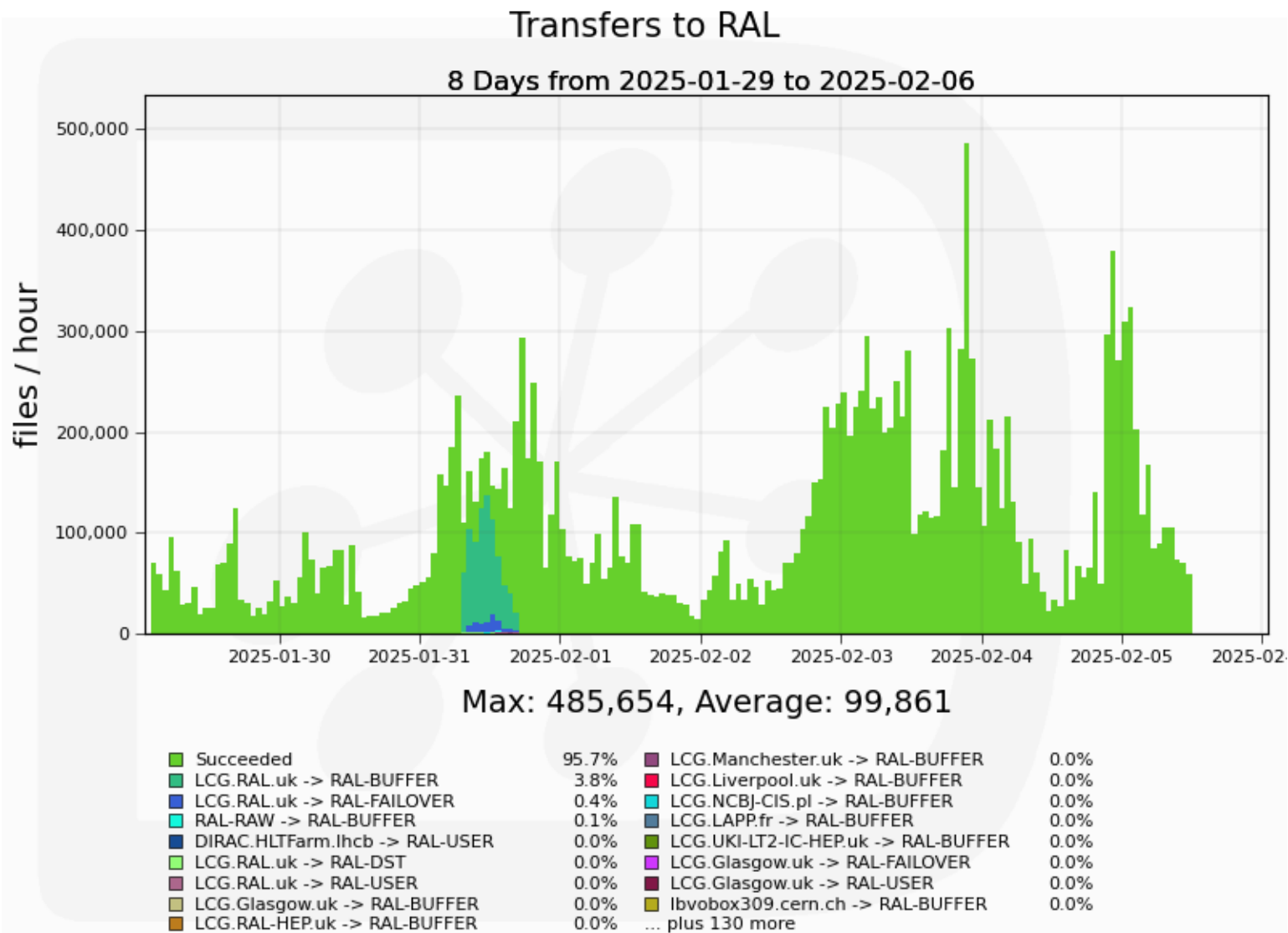


Max: 22,152, Average: 6,940

Done 94.5% Completed 4.5% Failed 0.8% Rescheduled 0.2%

Generated on 2025-02-05 10:59:59 UTC

Transfers to RAL:

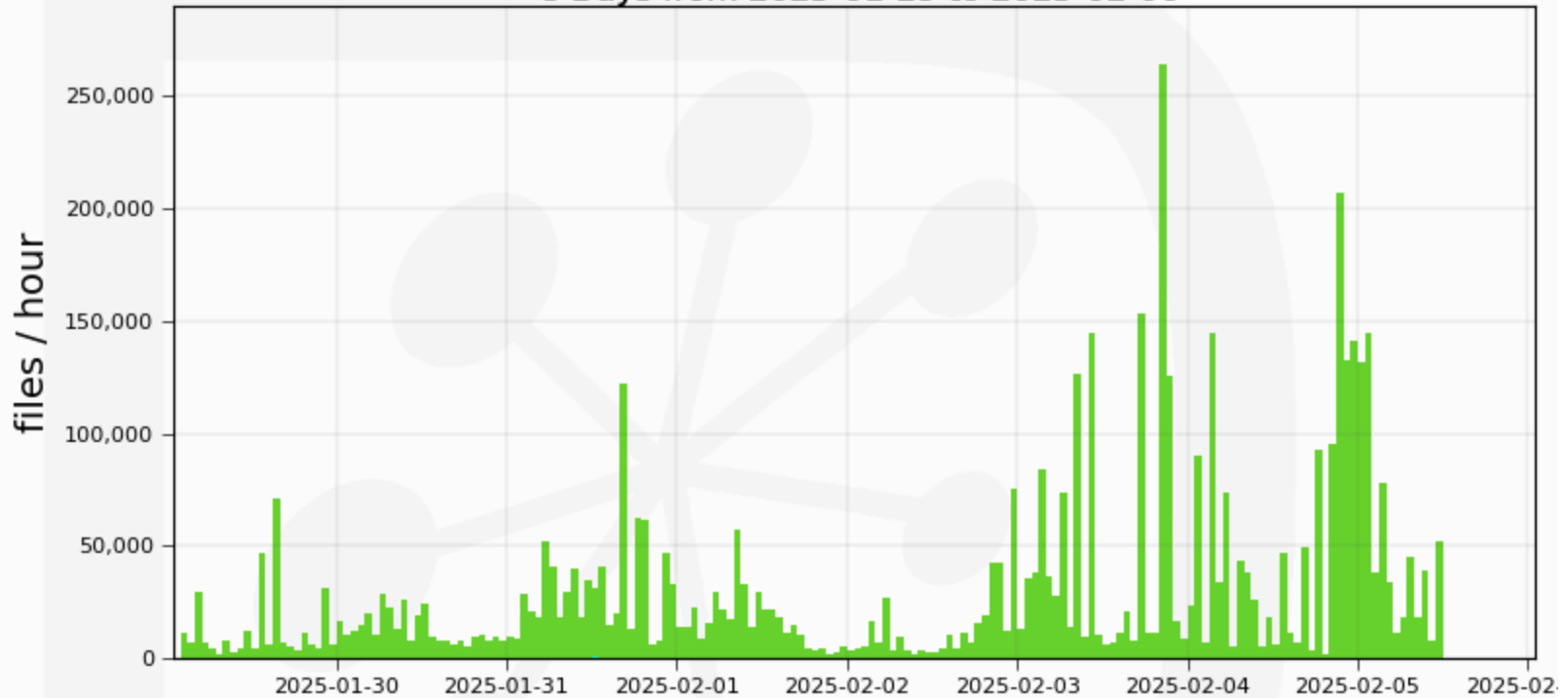


Generated on 2025-02-05 11:00:02 UTC

Transfers from RAL:

Transfers from RAL

8 Days from 2025-01-29 to 2025-02-06



Max: 263,734, Average: 27,536

■ Succeeded	99.7%	■ RAL-USER -> DIRAC.HLTfarm.lhcb	0.0%
■ RAL-RAW -> RAL-BUFFER	0.3%	■ RAL-USER -> LCG.RAL.uk	0.0%
■ RAL-DST -> NCBJ-ARCHIVE	0.0%	■ RAL-DST -> CNAF-DST	0.0%
■ RAL-USER -> DIRAC.Client.ch	0.0%	■ RAL-USER -> LCG.NCBJ-CIS.pl	0.0%
■ RAL-BUFFER -> LCG.RAL.uk	0.0%	■ RAL-ARCHIVE -> DIRAC.Client.ch	0.0%
■ RAL-FAILOVER -> RAL-BUFFER	0.0%	■ RAL-DST -> RAL-ARCHIVE	0.0%
■ RAL-DST -> CNAF-ARCHIVE	0.0%	■ RAL-DST -> Beijing-DST	0.0%
■ RAL-USER -> LCG.Glasgow.uk	0.0%	■ RAL-USER -> LCG.UKI-LT2-RHUL.uk	0.0%
■ RAL-USER -> LCG.CNAF.it	0.0%	... plus 102 more	

Generated on 2025-02-05 11:00:08 UTC

<https://tinyurl.com/aliceRALstorage>

Disk storage elements

RAL																							
AllEn SE		Catalogue statistics (1024-base units)						Storage-provided information (1024-base units)						Functional tests				Last day add tests		Demotion	IPv6		
SE Name	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	IPv6 add
1. RAL - CEPH	ALICE::RAL::CEPH	1	2 PB	1.218 PB	800.3 TB	60.92%	14,737,721	CEPH	2 PB	0	2 PB	-	Xrootd v5.7.0						05.02.2025 10:07	24	0		0
Total			2 PB	1.218 PB	800.3 TB		14,737,721		2 PB	0	2 PB				1	1	1	1					1

What is this about?

Custodial storage elements

RAL																								
AllEn SE			Catalogue statistics (1024-base units)						Storage-provided information (1024-base units)						Functional tests				Last day add tests		Demotion	IPv6		
SE Name	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	IPv6 add	
1. RAL - CTA	ALICE::RAL::CTA	1	2.726 PB	1.49 PB	1.236 PB	54.67%	659,451	TAPE	183.3 TB	6.062 TB	177.2 TB	3.307%	Xrootd 5.6.10-1.el9.x86_64						05.02.2025 09:54	24	0		0	Test...
2. RAL - CTA_TEST	ALICE::RAL::CTA_TEST	1	1000 GB	0	1000 GB	-	0	TAPE	1000 GB	1.027 GB	999 GB	0.103%	Xrootd 5.7.1-1.el9.x86_64						05.02.2025 09:57	24	0		0	Test...
Total			2.727 PB	1.49 PB	1.237 PB		659,451		184.3 TB	6.063 TB	178.2 TB				2	2	2	2					0	