



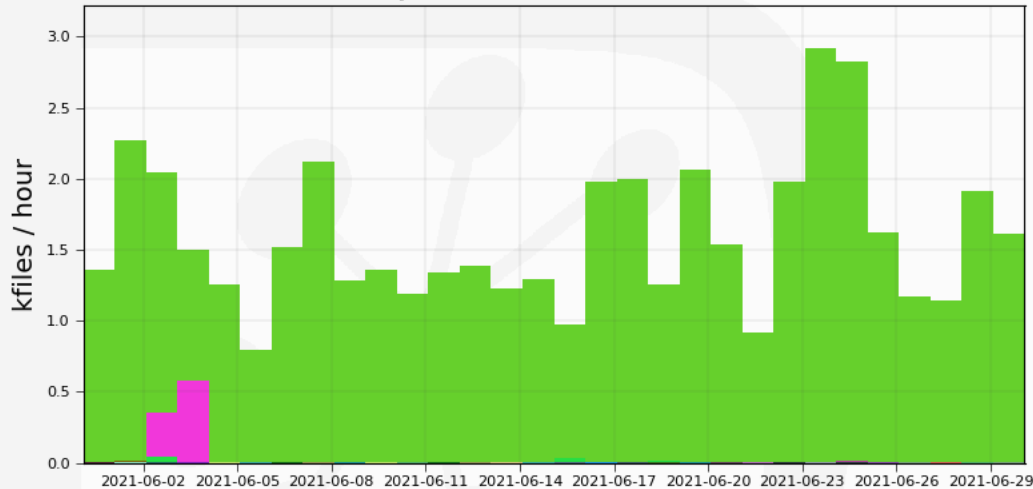
LHCb report

Raja Nandakumar



Xroot v5 – external gateways

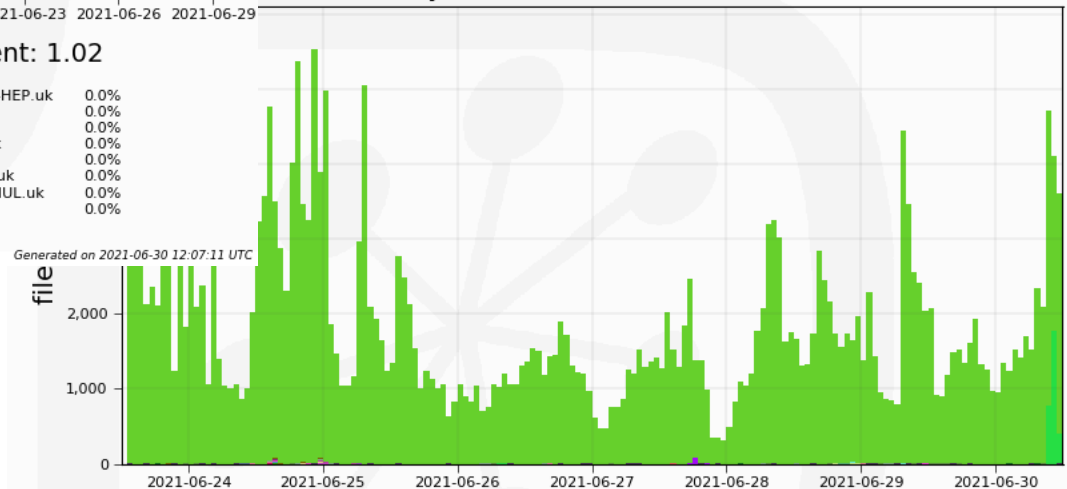
Failed Transfers by Source
30 Days from 2021-05-31 to 2021-06-30



Max: 2.92, Min: 0.79, Average: 1.58, Current: 1.02

Succeeded	97.6%	LCG NIPNE-07.ro	0.0%	LCG UKI-LT2-IC-HEP.uk	0.0%
DIRAC.Client.ch	1.8%	LCG Sheffield.uk	0.0%	LCG JINR.ru	0.0%
DIRAC.HLTFarm.lhcb	0.4%	LCG CPPM.fr	0.0%	LCG LAL.fr	0.0%
LCG Beijing.cn	0.0%	LCG UKI-LT2-QMUL.uk	0.0%	LCG Durham.uk	0.0%
LCG CSCS.ch	0.0%	LCG RAL-HEP.uk	0.0%	LCG CBPF.br	0.0%
LCG ECDF.uk	0.0%	LCG Bristol.uk	0.0%	LCG Lancaster.uk	0.0%
LCG ECDF.uk	0.0%	LCG NIKHEF.nl	0.0%	LCG UKI-LT2-RHUL.uk	0.0%
LCG MIT.us	0.0%	LCG LPNHE.fr	0.0%	LCG IHEP.ru	0.0%
LCG Manchester.uk	0.0%	LCG LAPP.fr	0.0%	... plus 62 more	
IbvoBox310.cern.ch	0.0%				

Failed Transfers by Source
7 Days from 2021-06-23 to 2021-06-30



Generated on 2021-06-30 12:07:11 UTC

Max: 5,550, Average: 1,798, Current: 49.4

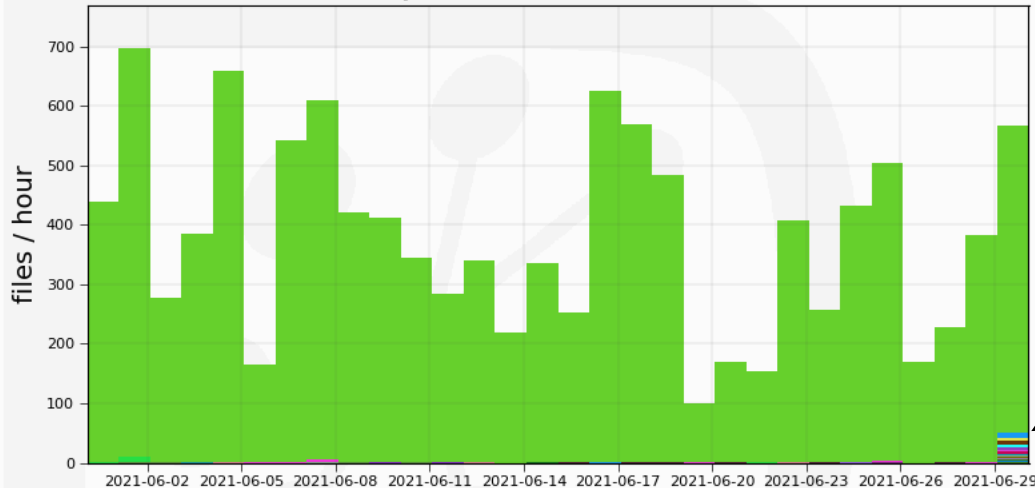
Succeeded	98.8%	LCG Beijing.cn	0.0%	LCG LAPP.fr	0.0%
DIRAC.HLTFarm.lhcb	1.0%	LCG RAL-HEP.uk	0.0%	LCG Bristol.uk	0.0%
IbvoBox310.cern.ch	0.0%	LCG CSCS.ch	0.0%	LCG DESYHH.de	0.0%
LCG Sheffield.uk	0.0%	LCG Durham.uk	0.0%	LCG CBPF.br	0.0%
LCG ECDF.uk	0.0%	LCG JINR.ru	0.0%	DIRAC.UZH.ch	0.0%
LCG Manchester.uk	0.0%	LCG LPNHE.fr	0.0%	DIRAC.Client.fr	0.0%
LCG CPPM.fr	0.0%	LCG LAL.fr	0.0%	DIRAC.Client.DE	0.0%
LCG MIT.us	0.0%	LCG UKI-LT2-IC-HEP.uk	0.0%	LCG Lancaster.uk	0.0%
LCG NIPNE-07.ro	0.0%	LCG UKI-LT2-QMUL.uk	0.0%	... plus 43 more	

Generated on 2021-06-30 12:06:54 UTC

Transfers from
outside RAL into
ECHO SE

Xroot v5 – external gateways 2

Failed Transfers by Destination
30 Days from 2021-05-31 to 2021-06-30

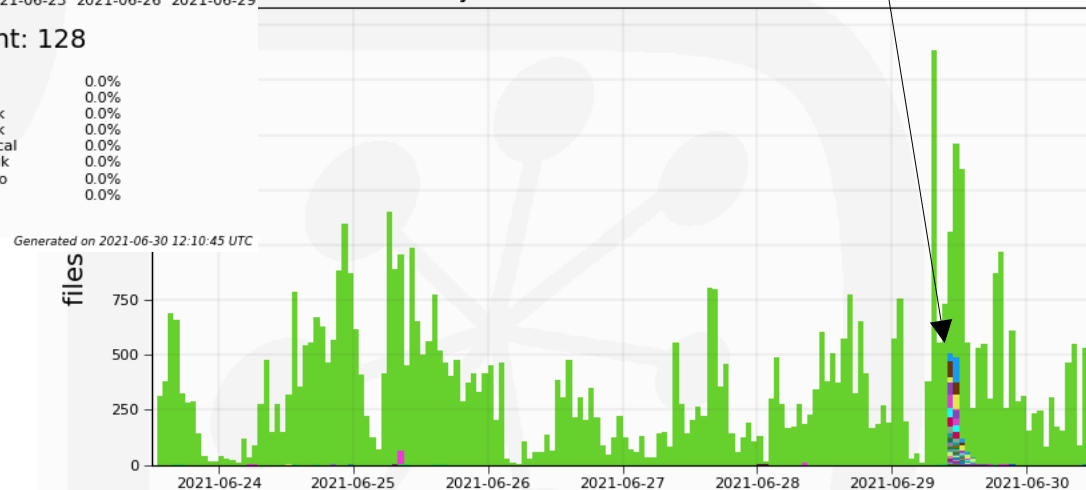


Max: 698, Min: 101, Average: 373, Current: 128

Succeeded	99.2%	DIRAC.Client.fr	0.0%	LCG.Beijing.cn	0.0%
DIRAC.HLTFarm.lhcb	0.2%	LCG.UKI-LT2-IC-HEP.uk	0.0%	LCG.RRCKI.ru	0.0%
DIRAC.Client.ch	0.1%	LCG.CPPM.fr	0.0%	LCG.RAL-HEP.uk	0.0%
LCG.CNAF.it	0.1%	LCG.CSCS.ch	0.0%	VAC.Glasgow.uk	0.0%
LCG.CERN.cern	0.1%	LCG.Manchester.uk	0.0%	DIRAC.Client.local	0.0%
LCG.GRIDKA.de	0.1%	DIRAC.Client.nl	0.0%	LCG.Liverpool.uk	0.0%
DIRAC.Client.de	0.0%	LCG.NCBJ.pl	0.0%	LCG.NIPNE-07.ro	0.0%
LCG.IN2P3.fr	0.0%	LCG.UKI-LT2-QMUL.uk	0.0%	DIRAC.Client.cn	0.0%
LCG.NIKHEF.nl	0.0%	DIRAC.Client.it	0.0%	... plus 41 more	

User error
(proxy expired)

Failed Transfers by Destination
7 Days from 2021-06-23 to 2021-06-30



Generated on 2021-06-30 12:10:45 UTC

Max: 1,888, Average: 362, Current: 39.0

Succeeded	97.8%	LCG.CPPM.fr	0.1%	LCG.RRCKI.ru	0.0%
LCG.CNAF.it	0.3%	LCG.UKI-LT2-IC-HEP.uk	0.1%	LCG.CSCS.ch	0.0%
LCG.GRIDKA.de	0.2%	LCG.Manchester.uk	0.0%	LCG.RAL-HEP.uk	0.0%
LCG.CERN.cern	0.2%	DIRAC.Client.nl	0.0%	VAC.Glasgow.uk	0.0%
DIRAC.Client.ch	0.2%	DIRAC.HLTFarm.lhcb	0.0%	LCG.Liverpool.uk	0.0%
LCG.IN2P3.fr	0.2%	LCG.NCBJ.pl	0.0%	LCG.CBPF.br	0.0%
LCG.NIKHEF.nl	0.2%	DIRAC.Client.it	0.0%	LCG.LAL.fr	0.0%
DIRAC.Client.de	0.1%	LCG.UKI-LT2-QMUL.uk	0.0%	DIRAC.Client.es	0.0%
DIRAC.Client.fr	0.1%	LCG.Beijing.cn	0.0%	... plus 23 more	

Generated on 2021-06-30 12:11:11 UTC

Transfers from
outside RAL into
ECHO SE

Xroot v5 – batch farm stats

- Statistics from jobs over the last few days
 - User jobs in xroot4 WNs (2237 / 2292) : 49.00 +- 1.28%
 - User jobs in xroot5 mem cache WNs (51 / 56) : 47.00 +- 8.11%
 - User jobs in xroot5 xcache WNs (258 / 280) : 47.00 +- 3.63%

 - Prod jobs in xroot4 WNs (11206 / 80600) : 12.00 +- 0.12%
 - Prod jobs in xroot5 mem cache WNs (452 / 2632) : 14.00 +- 0.74%
 - Prod jobs in xroot5 xcache WNs (852 / 6400) : 11.00 +- 0.43%

- Not as easy to get stats about Streaming failures
 - Total failures : 152
 - Xroot4 Wns : 125
 - Xroot 5 mem cache Wns : 19
 - Xroot 5 xcache Wns: 8

- No change in job failure rates



Tickets

- Streaming from ECHO
 - Will be testing out two options in the next week
 - Streaming out of castor
 - Testing reading out of a user root file
- xroot checksum
 - Ongoing
- Data corruption
 - On hold

