

Centre de Calcul de l'Institut National de Physique Nucléaire et de Physique des Particules

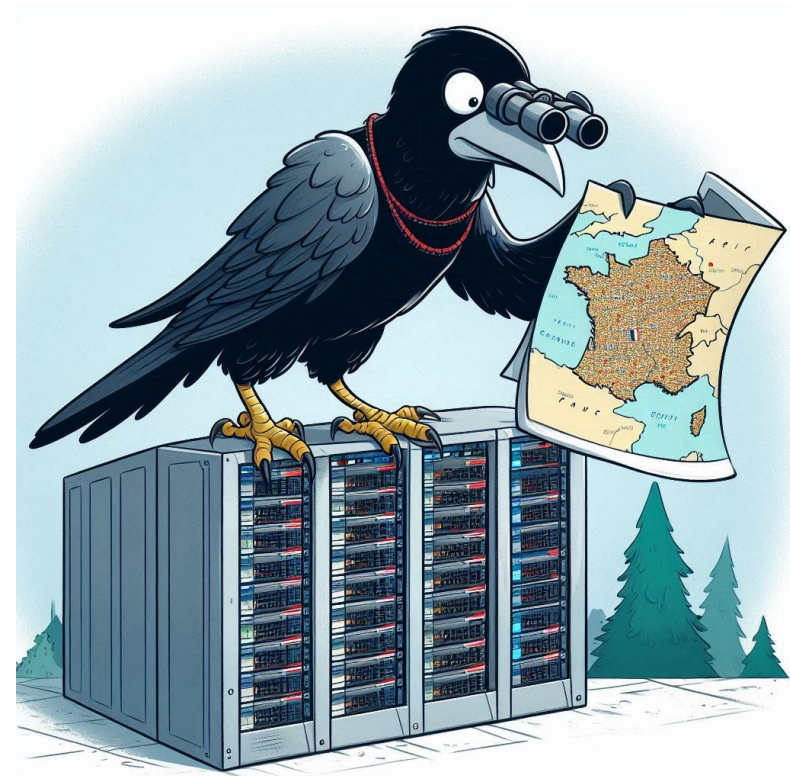


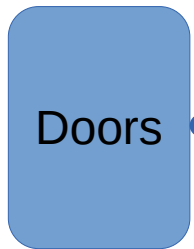
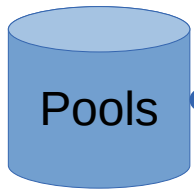
Monitoring dCache - ELIAS

Journées LCG-FR



- Avoir une vue globale de l'activité stockage dCache LCG France T1 + T2





events



broker 1

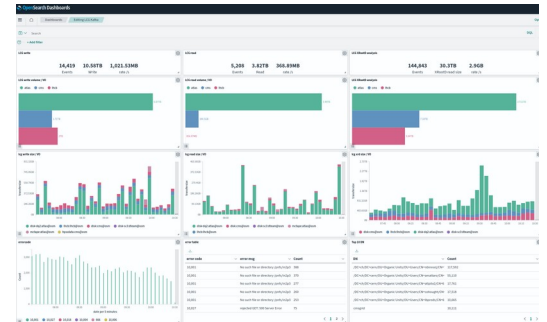
broker 2

broker 3






OpensearchSinkConnector



<https://elias-neo.cc.in2p3.fr:9200>

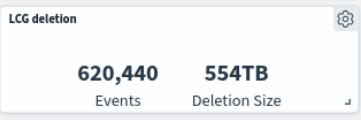
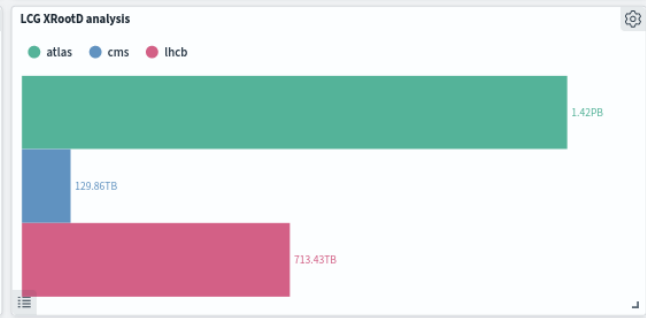
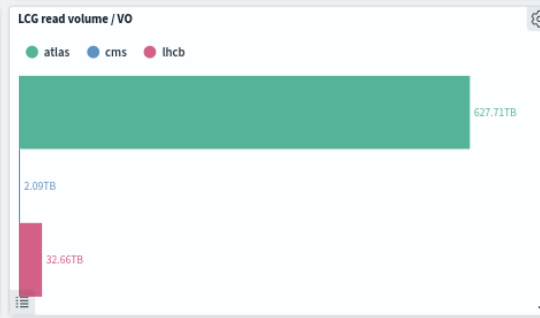
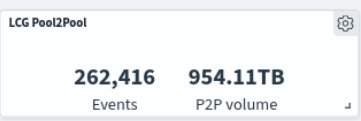
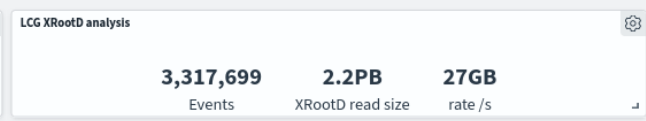
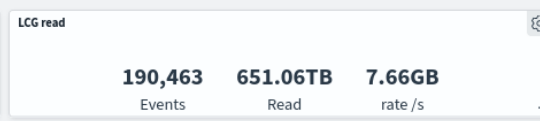
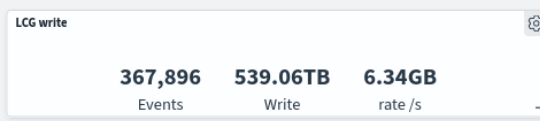


Document Details

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 Instance	 IN2P3-CC
t _id	billingLCG+2+849518540
t _index	.ds-lcg-france-dcache-ccin2p3-billinglcg-000213
# _score	-
t _type	-
t billingPath	/pnfs/in2p3.fr/data/atlas/atlasdatadisk/rucio/data16_13TeV/22/df/DA0D_PHYS.37020158._000179.pool.root.1
t cellDomain	ccdcaccli474-pool-atlas-aod-read-li474a-Domain
t cellName	pool-atlas-aod-read-li474a
t cellType	pool
 date	Jun 17, 2024 @ 11:21:49.401
# fileSize	2.8GB
t initiator	door:xrootd-ccdcaccli432@xrootd-ccdcaccli432Domain:AAYbENKXdYA:1718616109093000
 isP2p	false
t isWrite	read
 localEndpoint	 [2001:660:5009:92:134:158:209:222]:30261
# meanReadBandwidth	250.4MB
t msgType	transfer
t pnfsid	00001FBBDABB600D4C258385137D6338052B

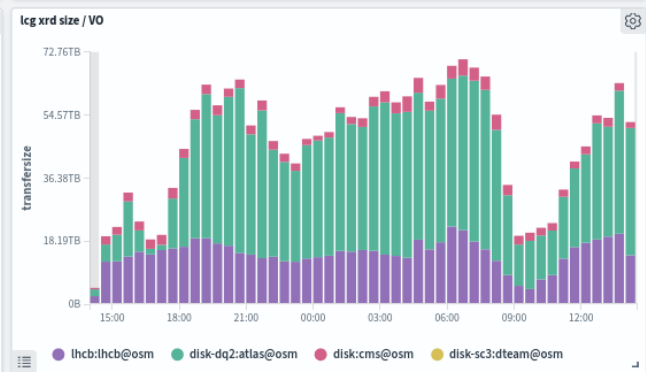
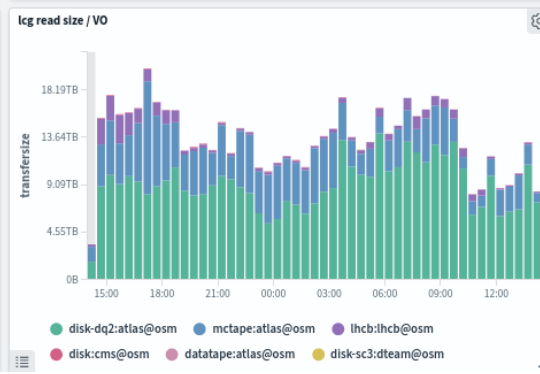
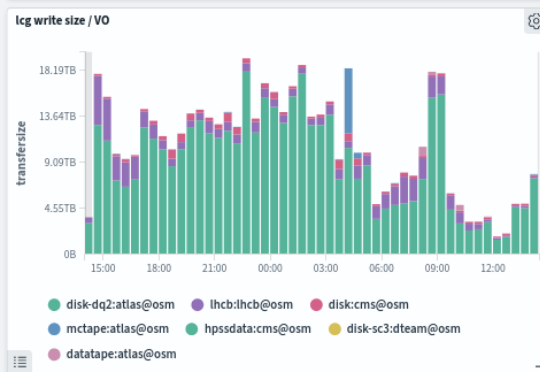
Pool event

t	protocolInfo.host	2001:660:5009:314:134:158:52:10
#	protocolInfo.port	41,364
t	protocolInfo.protocol	Xrootd
#	protocolInfo.versionMajor	5
#	protocolInfo.versionMinor	0
#	queuingTime	0
t	readActive	PT0.150995535S
t	readIdle	PT0.141527925S
t	session	pool:pool-atlas-aod-read-li474a@ccdcaccli474-pool-atlas-aod-read-li474a-Domain:1718616109401-785078
#	status.code	0
t	status.msg	
t	storageInfo	disk-dq2:atlas@osm
t	subject	> FQANPrincipal[/atlas/lcg1], GroupNamePrincipal[atlagrid,primary], UserNamePrincipal[atlagrid], /DC=ch/DC=cern/OU=Organic U tlpilo2/CN=663551/CN=Robot: ATLAS Pilot2, Origin[2001:660:5009:314:134:158:52:10], FQANPrincipal[/atlas,primary], EmailAdd s.pilot2@cern.ch], GidPrincipal[124,primary], FQANPrincipal[/atlas/usatlas], UidPrincipal[3327]
t	transferPath	/pnfs/in2p3.fr/data/atlas/atlasdatadisk/rucio/data16_13TeV/22/df/DAOD_PHYS.37020158._000179.pool.root.1
#	transferSize	162.1KB
#	transferTime	296.00



LCG hsm migration details

storageIn...	Count	migration ...
lhcb:lhcb@osm	6,295	23.4TB
datatape:atlas@	1,601	1.9TB
Total	9,560	32.8TB



LCG hsm staging details

storageIn...	Count	staging vol...
Total	34,174	128.4TB

LCG hsm errors count

25 17

- dCache !
- Apache Zookeeper
 - <https://zookeeper.apache.org>
- Apache Kafka
 - <https://kafka.apache.org>
- Opensearch connector
 - <https://github.com/Aiven-Open/opensearch-connector-for-apache-kafka>

- https://etherpad.in2p3.fr/p/Monitoring_dCache_LCG-FR


```
#####  
#### /etc/dcache/dcache.conf  
#####  
  
#-----  
# Zookeeper properties  
#-----  
dcache.zookeeper.connection=zoo1:2181,zoo2:2181,zoo3:2181
```

```
#####  
#### /etc/dcache/dcache.conf  
#####  
  
#-----  
# Kafka properties  
#-----  
dcache.enable.kafka = true  
dcache.kafka.bootstrap-servers = kafka01:9092,kafka02:9092,kafka03:9092  
dcache.kafka.topic = billingLCG
```