

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

Monitoring for LHC Experiments and User Support at CC-IN2P3

FJPPN at KEK

- **Monitoring for LHC Experiments**
 - CC-IN3P3 point of view
 - ATLAS point of view
 - LHCb point of view
- **User support**
 - Zammad & Control Room
 - User Documentation
 - Training session



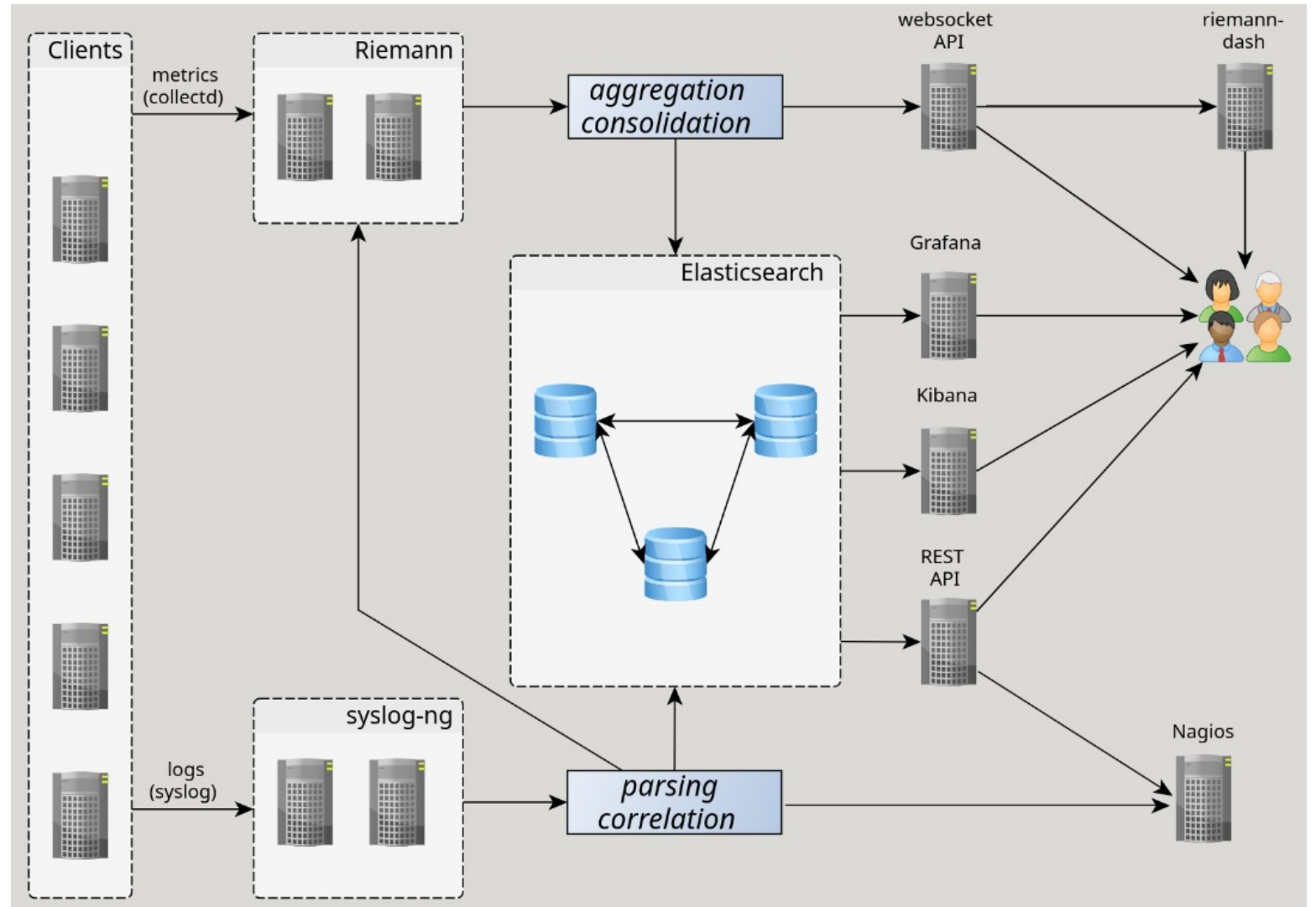
Monitoring for LHC Experiments

CC-IN2P3 point of view

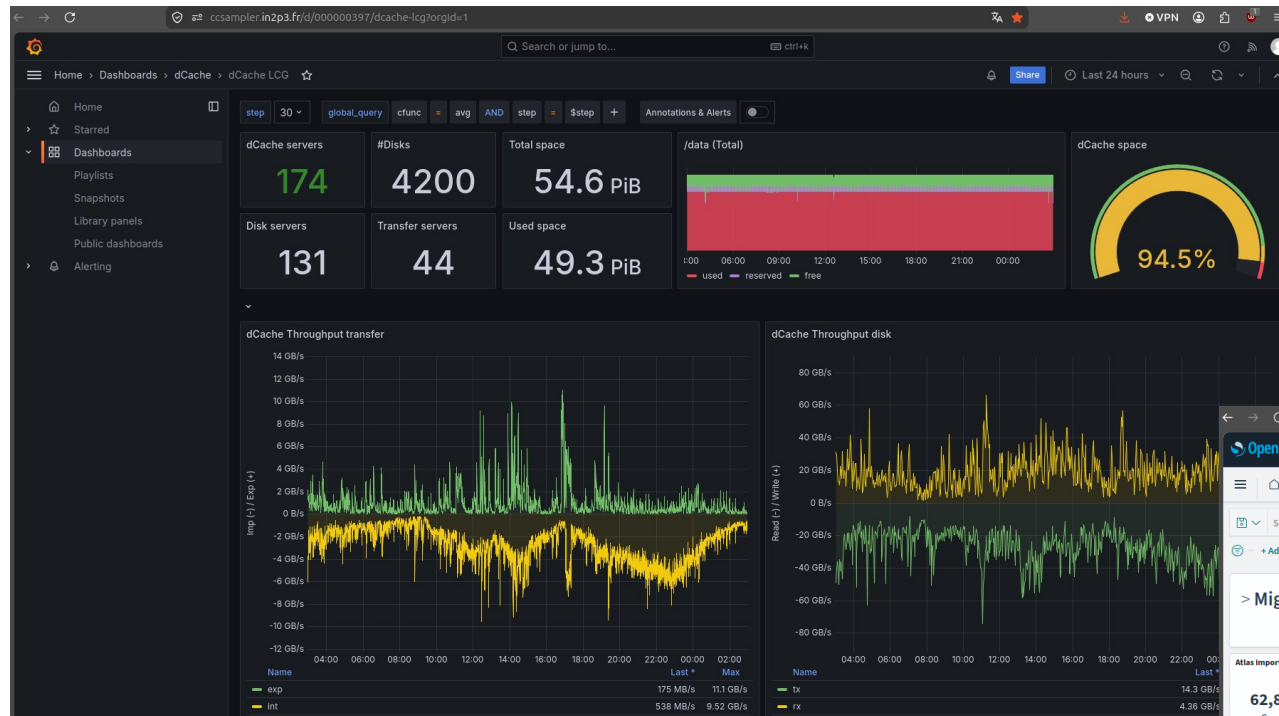
Monitoring for LHC experiment : CC-IN2P3 point of view



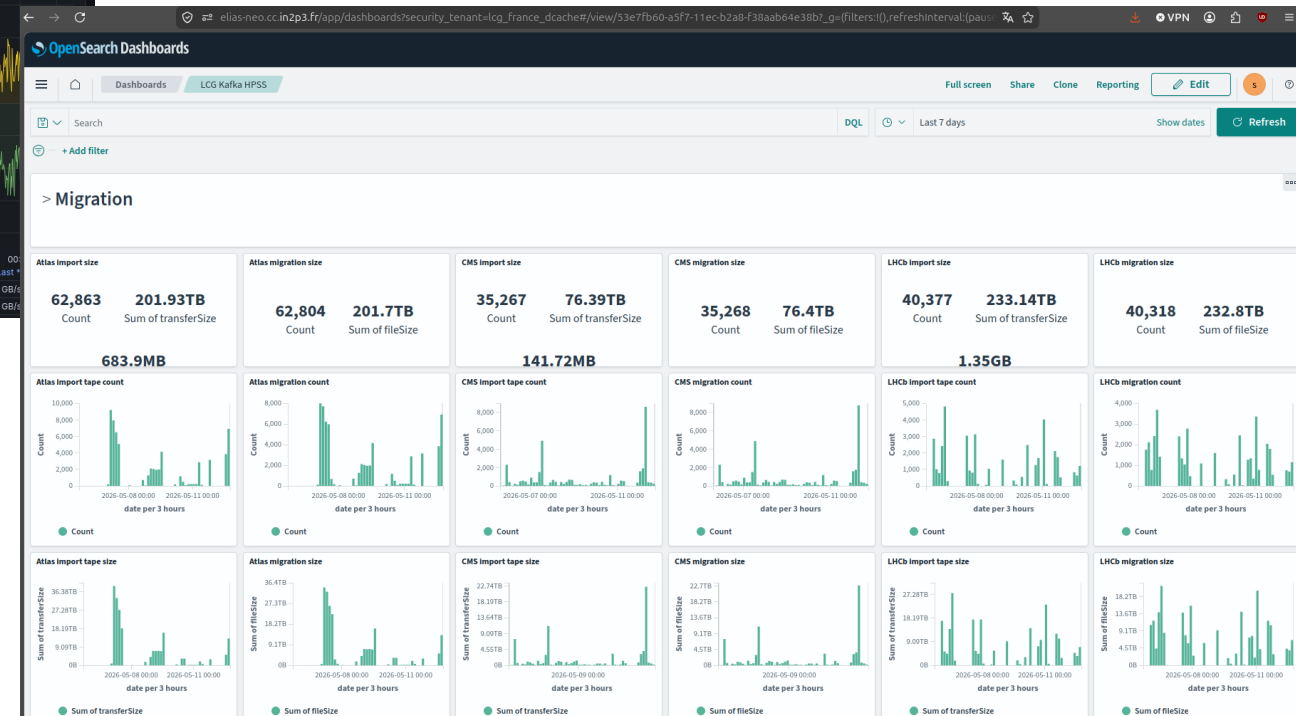
- Storage
- Computing
- Grid services
- Monitoring
- Data transfer



Monitoring for LHC experiment : CC-IN2P3 point of view

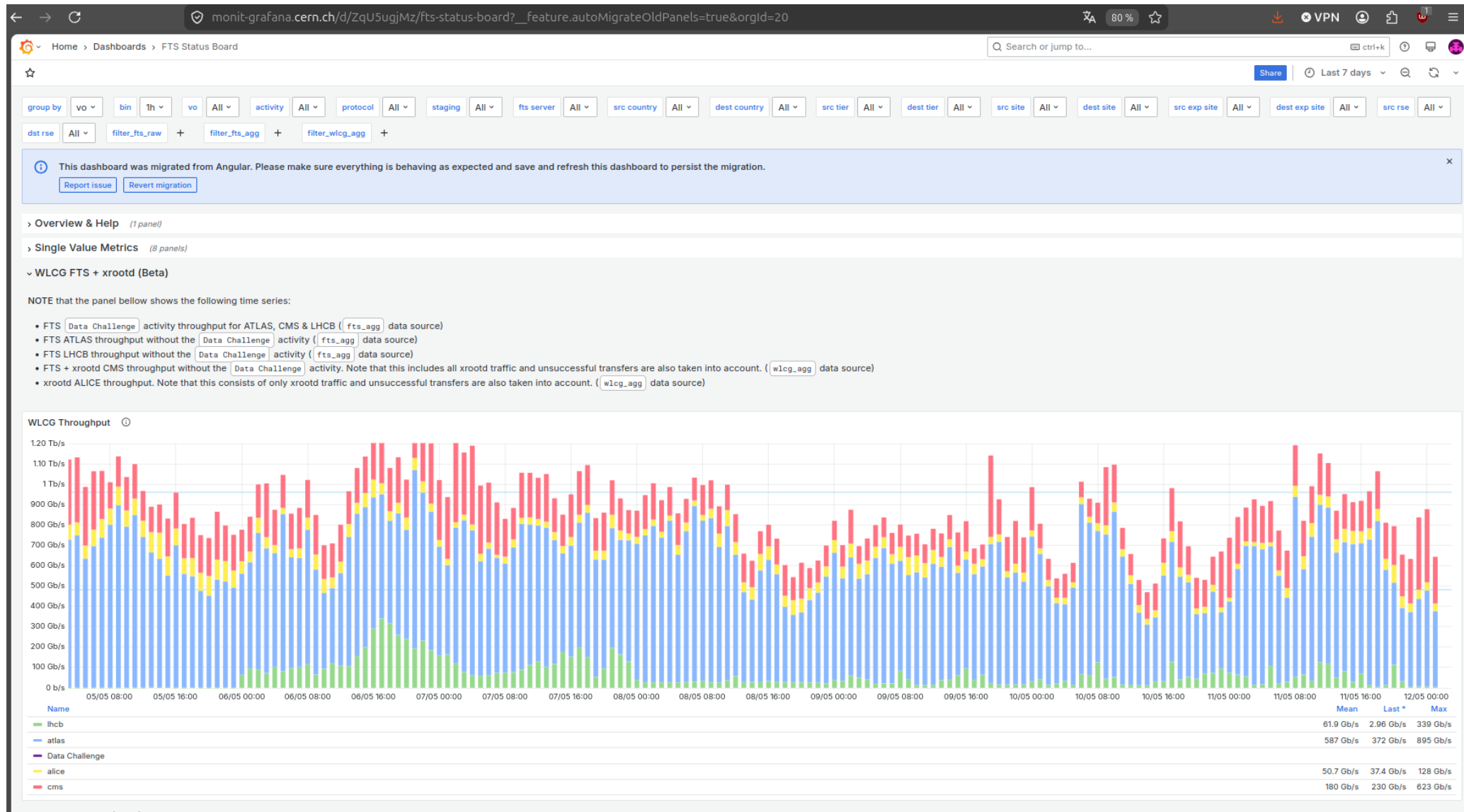


Ccsampler (COLOSS) : dCache, HPSS, SPS, HTCondor, Coloss, Nagios ...



OpenSearch : HPSS

Monitoring for LHC experiment : CC-IN2P3 point of view

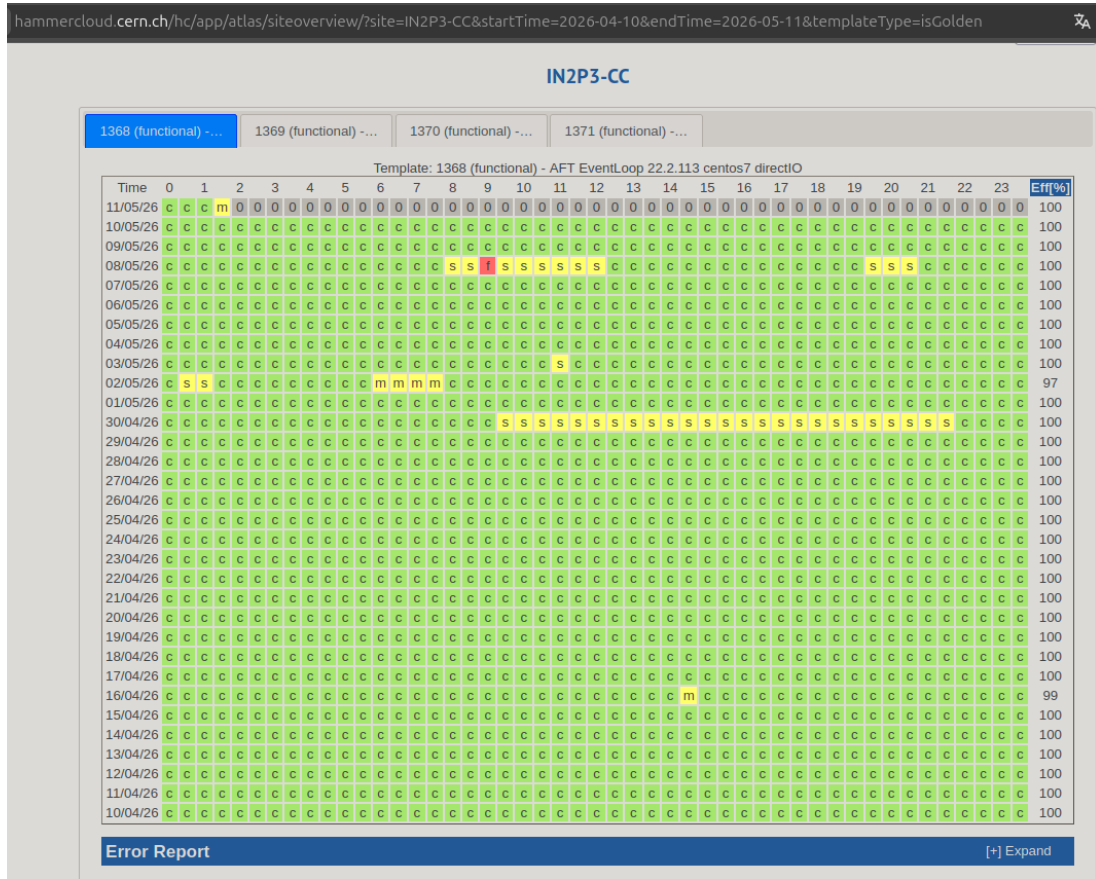




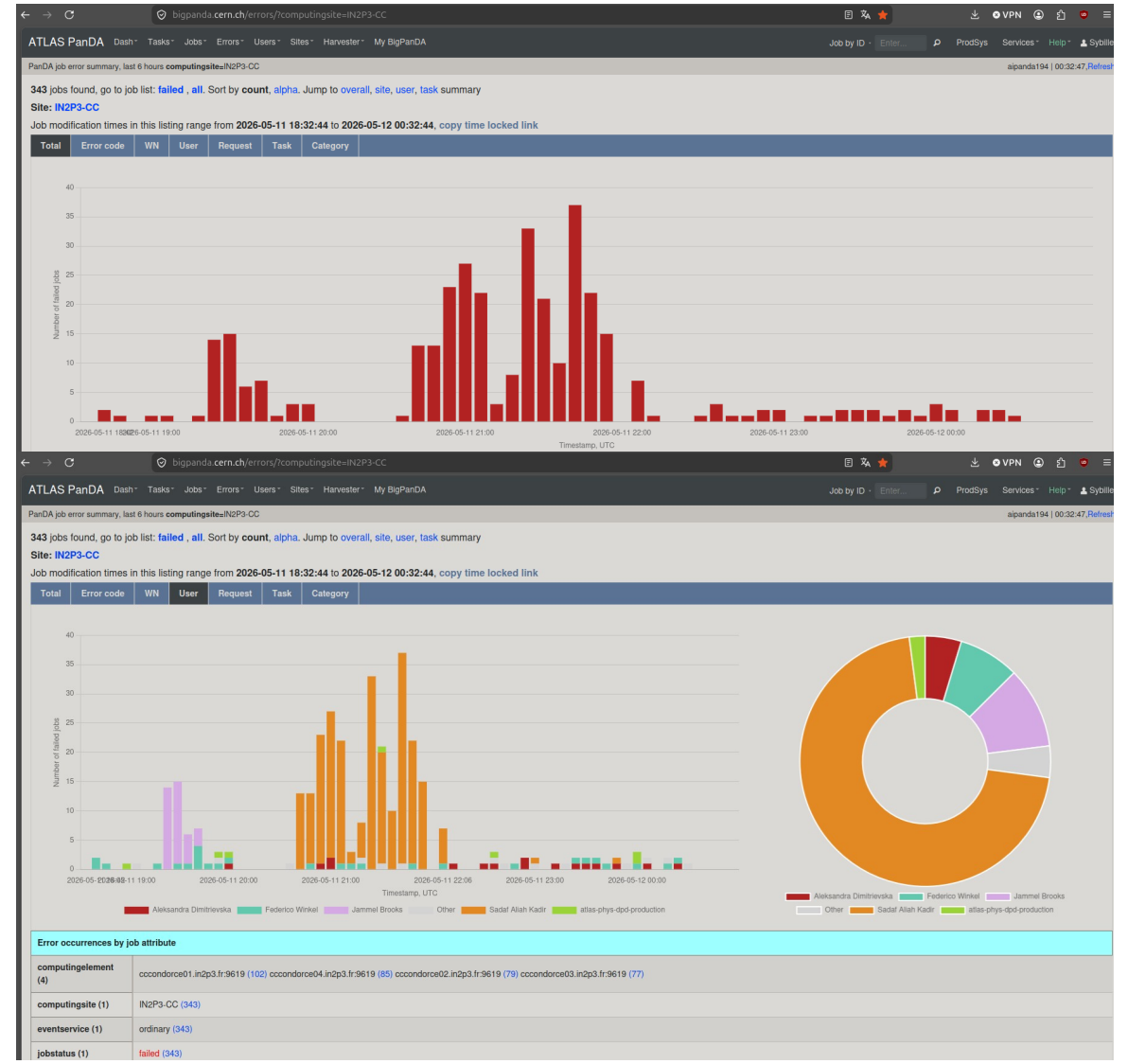
Monitoring for LHC Experiments

ATLAS point of view

Monitoring for LHC experiment : ATLAS point of view



<https://hammercloud.cern.ch>



<https://bigpanda.cern.ch/errors/?computingsite=IN2P3-CC>

Monitoring for LHC experiment : ATLAS point of view



atlasdistributedcomputing-live.web.cern.ch/ATLASDistributedComputing-live/#Dashboard

23:46 UTC Dashboard BigPanda DC Transfers Rucio HC Storage Pilots CERN Satellites Services Frontiers Info

Last Update 2026-05-11 23:46 UTC (updated 53m ago), execution time: 388s, ⓘ

Sites with outage downtime longer than 20 days

- **INFN-TRIESTE**
 - starting: 2026-03-17T18:00:00, ending: 2026-06-30T23:59:00, downtime link
 - affected services: APEL, CREAM-CE, SRM, Site-BDII, gLite-APEL, org.opensciencegrid.htcondorice, org.squid-cache.Squid, webdav
- **SARA-MATRIX**
 - starting: 2026-04-24T15:00:00, ending: 2026-05-31T15:00:00, downtime link
 - affected services: ARC-CE, gLite-APEL

Slots of all running jobs (22-23 UTC) ⓘ: **481k** = **51k SCORE** + **430k MSCORE**
 8h avg: **497k**; 24h avg: **522k**

Slots of all running jobs from BigPanda (last hour): **477k**

	Normal (grid+cloud+hpc)	All	Special
NJob Fail ⓘ		8h avg	24h avg
PROD	1.3k (17.8%)	1.3k (9.0%)	1.0k (5.0%)
ANALY	3.4k (33.8%)	2.7k (19.7%)	1.5k (17.5%)
Walltime Fail	4h avg	8h avg	24h avg
PROD	691d (6.0%)	1600d (10.0%)	903d (4.8%)
ANALY	245d (8.9%)	254d (9.8%)	266d (10.0%)

Removed:src_endpoint=*TEST|DATALAKES|DATAFJORD|VOLATILE*;dst_endpoint=*TEST|DATALAKES|DATAFJORD|VOLATILE*

Transfer Failure rate (last hour): **2.58 f/s**
 8h avg: **2.19 f/s**; 24h avg: **1.57 f/s**

Transfer Throughput (last hour): **73.75 GB/s**
 8h avg: **76.24 GB/s**; 24h avg: **83.89 GB/s**

Transfer Rate (last hour) ⓘ: **31.68 f/s**

atlasdistributedcomputing-live.web.cern.ch/ATLASDistributedComputing-live/#BigPanda

board BigPanda DC Transfers Rucio HC Storage Pilots CERN Satellites Services

Normal (grid+cloud+hpc) All Special PandaAPI

Slots by Processing ⓘ

Slots by ADC activity ⓘ

Slots by Job Type ⓘ

Slots vs n-cores ⓘ

Slots by processing clouds ⓘ

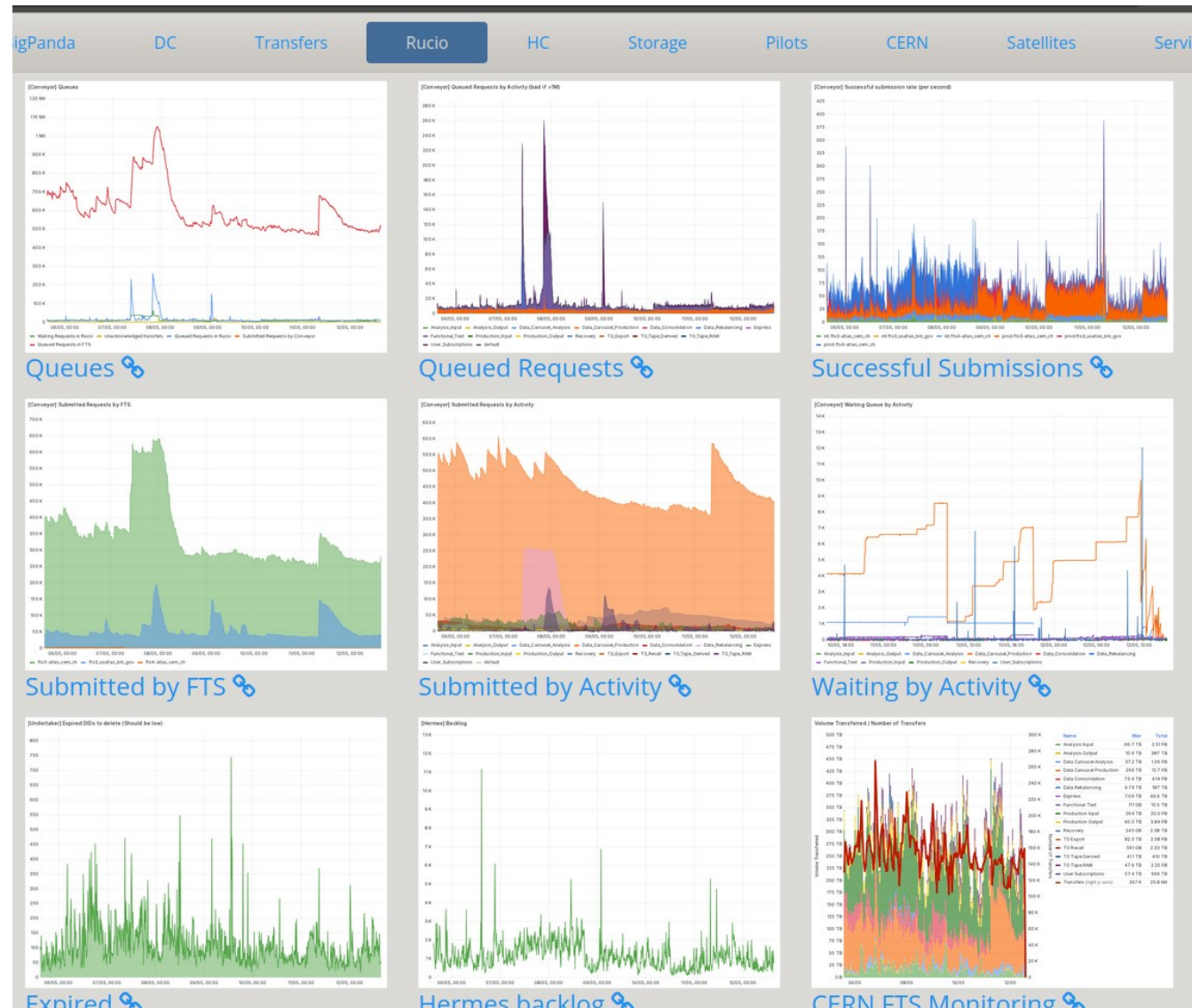
Slots by ATLAS Site ⓘ

<https://atlasdistributedcomputing-live.web.cern.ch/ATLASDistributedComputing-live/#Dashboard>

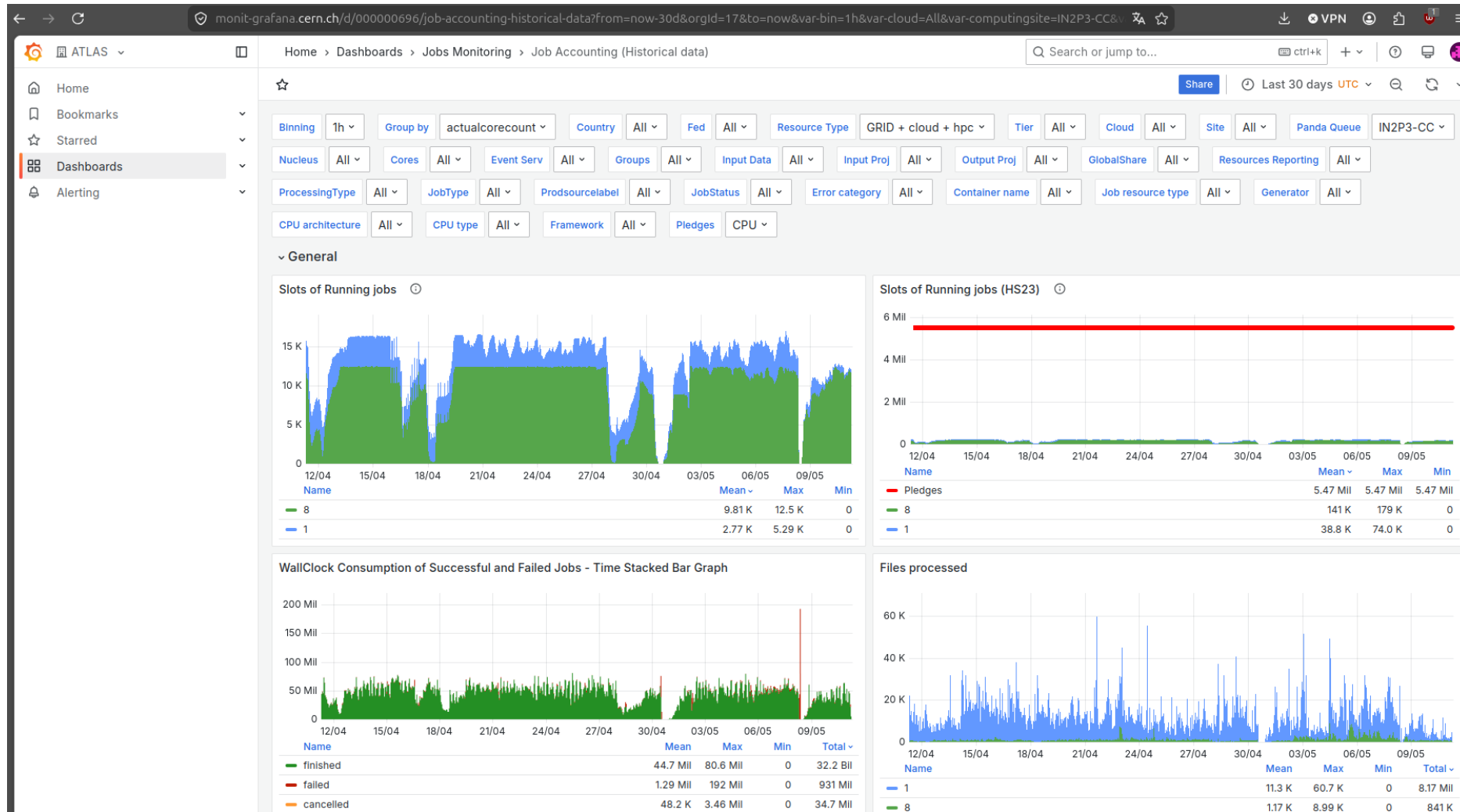
Monitoring for LHC experiment : ATLAS point of view

Rucio:

- Dataset replication
- Data placement
- Transfer activity
- Transfer failures
- Storage usage



Monitoring for LHC experiment : ATLAS point of view



<https://monit-grafana.cern.ch>

Monitoring for LHC experiment : ATLAS point of view



WLCG Document Repository / reporting / reliability-availability / 2026 / 202603

File	Size	Last Modified
...	-	2026-04-27 10:45:37
WLCG_All_Sites_ALICE_Mar2026.pdf	448.14KB	2026-04-27 09:59:16
WLCG_All_Sites_ATLAS_Mar2026.pdf	555.56KB	2026-04-27 09:58:44
WLCG_All_Sites_CMS_Mar2026.pdf	461.40KB	2026-04-27 09:59:02
WLCG_All_Sites_LHCB_Mar2026.pdf	461.68KB	2026-04-27 09:59:31
WLCG_Tier1_History_ALICE_Mar2026.pdf	30.59KB	2026-04-27 09:59:18
WLCG_Tier1_History_ATLAS_Mar2026.pdf	31.21KB	2026-04-27 09:58:47
WLCG_Tier1_History_CMS_Mar2026.pdf	30.43KB	2026-04-27 09:59:04
WLCG_Tier1_History_LHCB_Mar2026.pdf	31.01KB	2026-04-27 09:59:33
WLCG_Tier1_Summary_ALICE_Mar2026.pdf	228.03KB	2026-04-27 09:59:20
WLCG_Tier1_Summary_ATLAS_Mar2026.pdf	277.40KB	2026-04-27 09:58:49
WLCG_Tier1_Summary_CMS_Mar2026.pdf	231.81KB	2026-04-27 09:59:06
WLCG_Tier1_Summary_LHCB_Mar2026.pdf	236.67KB	2026-04-27 09:59:35
WLCG_Tier1_VO_ALICE_Mar2026.pdf	2.59MB	2026-04-27 09:59:29
WLCG_Tier1_VO_ATLAS_Mar2026.pdf	3.19MB	2026-04-27 09:59:00
WLCG_Tier1_VO_CMS_Mar2026.pdf	2.64MB	2026-04-27 09:59:15
WLCG_Tier1_VO_LHCB_Mar2026.pdf	2.69MB	2026-04-27 09:59:44



Availability of WLCG Tier-0 + Tier-1 Sites

ATLAS

Target Availability for each site is 97.0%. Target for 8 best sites is 98.0%

Availability Algorithm: (CREAM-CE + ARC-CE + HTCONDOR-CE + GLOBUS) * (all SRMv2 + all SRM + all GRIDFTP)

Oct-2025 - Mar-2026



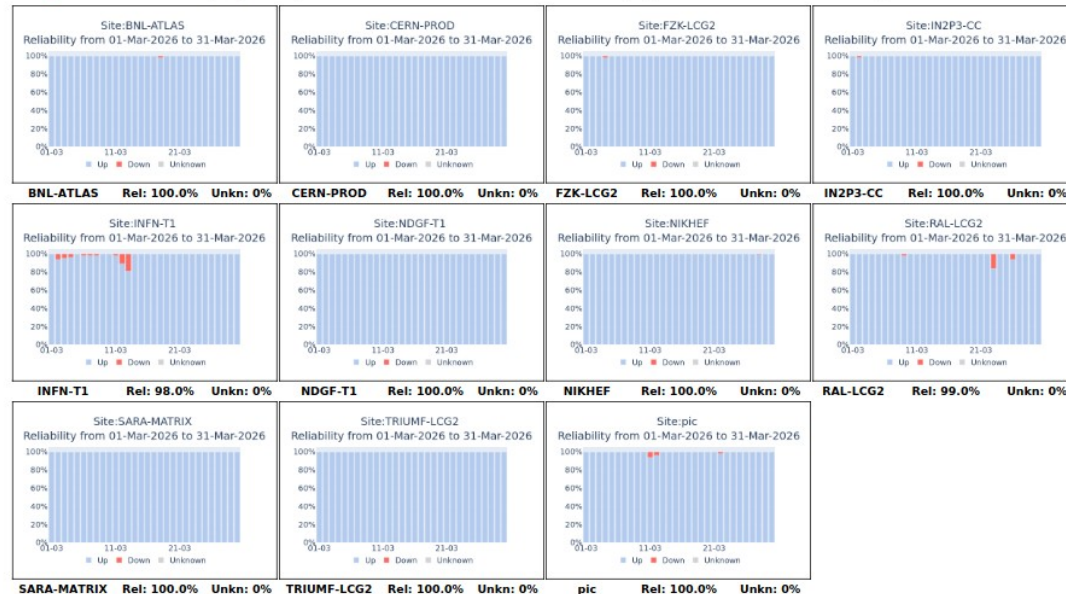
Reliability of WLCG Tier-0 + Tier-1 Sites

ATLAS

Target Reliability for each site is 97.0%. Target for 8 best sites is 98.0%

Availability Algorithm: (CREAM-CE + ARC-CE + HTCONDOR-CE + GLOBUS) * (all SRMv2 + all SRM + all GRIDFTP)

Mar-2026



<https://wlcg-docs.web.cern.ch>



Monitoring for LHC Experiments

LHCb point of view

Monitoring for LHC experiment : LHCb point of view



lhcb-portal-dirac.cern.ch

Menu

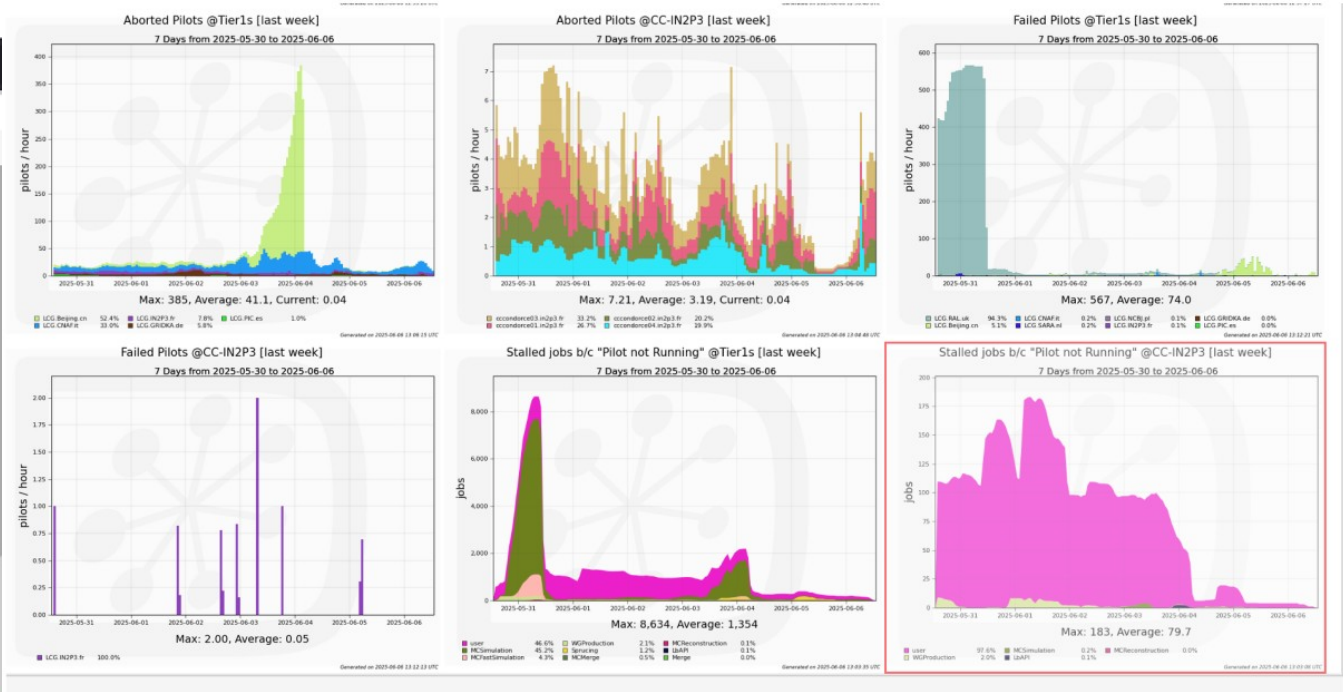
Desktops&Applications

- Web
- Tools
- Applications
 - Administration
 - Component History
 - Configuration Manager
 - Proxy Manager
 - Public State Manager
 - Registry Manager
 - System Administration
 - Dashboards
 - Accounting
 - Application Wizard
 - RAW Integrity Monitor
 - Data
 - Bookkeeping Browser
 - BookkeepingSimDescription
 - File Catalog
 - Production Request
 - Step Manager
 - Transformation Monitor
 - Jobs
 - Job Monitor
 - Job Summary
 - Pilots
 - Pilot Monitor
 - Pilot Summary
 - Resources
 - Downtimes
 - Resource Summary
 - Site Summary
 - Space Occupancy
 - Bookkeeping Browser
 - Job Monitor
- DIRAC
 - My Desktops
 - Shared

Settings

My Desktops

- Default
- CC-IN2P3 VIEW
- Shifter_Overview



https://lhcb-portal-dirac.cern.ch/DIRAC/s:LHCb-Production/g:lhcb_shifter/

Monitoring for LHC experiment : LHCb point of view



The image displays the Pilot Monitor interface for the LHCb experiment. It is divided into several sections:

- Left Panel (Menu):** A sidebar menu with categories like 'Web', 'Tools', 'Applications', 'Administration', 'Dashboards', 'Data', 'Jobs', 'Pilots', 'Resources', and 'My Desktops'. The 'Pilots' section is expanded, showing 'Pilot Monitor' and 'Pilot Summary'.
- Top Panel (Selectors):** Includes a search bar for 'Site' (set to 'LCG.IN2P3.fr'), a 'Status' filter (set to 'Failed' and 'Aborted'), and a 'Time Span' dropdown (set to 'Last Week').
- Table:** A table listing jobs with columns for 'PilotJobRef...', 'Status', 'Site', 'Computing...', 'CurrentJobID', and 'GridType'. A right-click context menu is open over a job, showing options: 'Show Jobs', 'Pilot Output', 'Pilot Error', and 'Logging info'. An annotation 'Right-click to get the logs menu' points to this menu.
- Bottom Panel (Dashboard):** A dashboard with several charts:
 - Production Jobs by Final Minor Status:** A line chart showing jobs per hour over 24 hours. Max: 18.3, Average: 12.7, Current: 1.92.
 - User Jobs by Final Minor Status:** A line chart showing jobs per hour over 24 hours. Max: 5.081, Average: 2.358, Current: 14.2.
 - Job CPU efficiency by JobType:** A heatmap showing CPU efficiency for various job types over 24 hours.
 - Failed Transfers by Protocol:** A bar chart showing failed transfers per hour over 24 hours. Max: 4,272, Average: 418, Current: 14.5.
 - Pilots by Status:** A line chart showing the number of pilots per hour over 24 hours. Max: 6,793, Average: 3,972, Current: 233.
- Bottom Left Panel (Menu):** A secondary menu showing 'Shifter_Overview' and its sub-items: 'Shifter-OverviewOverview', 'Shifter - Job Execution Rate', 'Shifter-JobDebugging', 'Shifter - WMS Overview', 'Shifter - Data Transfer', 'Shifter - Pilot Jobs Status', 'Shifter-SpecialPots', and 'ShifterGuides'. An annotation 'Right-click to get the logs menu' also points to this menu.

Monitoring for LHC experiment : LHCb point of view



Operations, Page 1 of 529

Logged in as "Sybille Voisin"

Full | Summary | Threaded

[- All entries -] [- System -] [- Production number -] [- Site -] [- GGUS Ticket -] 10561 Entries

Go to page 1, 2, 3, ..., 527, 528, 529 Next

ID	Date	Author	System	Production number	Site	GGUS Ticket	Trello/JIRA ticket	CC	Subject	Modified	Prefix	Text
42060	11-May-2026 11:21	Alexander Rogovsky	Operations minutes						Operations Meeting Minutes (11.05.2026)	No		
42059	11-May-2026 10:21	Christophe Haen	Releases						New LHCbDIRAC Release (12.0.13)	No		Dear all,
42058	08-May-2026 14:48	Alexander Rogovsky	Data Management		Beijing				Process corrupted files at Beijing Disk SE	No		As reported earlier, site admins found some
42057	08-May-2026 13:11	Alexander Rogovsky	Operations minutes						Operations Meeting Minutes (08.05.2026)	No		
42056	08-May-2026 10:31	Xiaowei Jiang	Data Management WGP	382252					Consistency checks okay but replicas unreachable	No	Re:	One disk encountered a hardware problem. About
42055	08-May-2026 06:01	Chris Burr	Data Management WGP	382252,382257,383544,383597					Consistency checks okay but replicas unreachable	No		The following LFNs had all replicas unreachable:
42054	07-May-2026 11:44	Mark William Slater	Production Sprucing	373074					Retry files in MaxReset	No		We have a large number of files in MaxReset
42053	07-May-2026 11:34	Mark William Slater	Production Sprucing	369465					Remove corrupt Sprucing file	No		We have one Problematic file in the Merging.
42052	07-May-2026 10:36	Christophe Haen	VOBox						Create LoadBalancer for the SandboxStore	No	Re:	Because the load was not properly distributed
42051	06-May-2026 11:38	Alexander Rogovsky	Operations minutes						Operations Meeting Minutes (06.05.2026)	No		
42050	06-May-2026 11:03	Mark William Slater	Data Management Production Sprucing	383679					Replication for ExclSpruce s26c1	No		Replication transformation was submitted:
		Mark	Data Management						Removal for			https://lathlab.cern.ch/lhcb-dba/trad-requests/

<https://lblogbook.cern.ch/Operations/>

monit-grafana.cern.ch/d/Q78h6E-nz/home?orgId=46

Home > Dashboards > Home

Search or jump to...

LHCb Experiment

DIRAC Documentation | DIRAC on GitHub | LHCbDIRAC on GitLab

Here you can find the dashboards of the LHCb experiment divided in subcategories. The first row is for dashboards inherent to the DIRAC computing grid. The last two are for external dashboards, Core Software and SLS services.

Starred dashboards

Recent dashboards

- Home
- Data Management overview LHCb-DIRAC Computing Grid

DIRAC Dashboards

DIRAC Grid

- Data Management overview LHCb-DIRAC Computing Grid
- DMS Errors LHCb-DIRAC Computing Grid
- FTS transfers

DIRAC Services

- LHCb-DIRAC Monit DIRAC services
- LHCb-DIRAC Services DIRAC services
- LHCbDIRAC Service calls

Links to external dashboards

FTS Transfers and SAM

- FTS Transfers
- SAM Tests

Other Services Dashboards

- Host Metrics
- ActiveMQ Client
- ActiveMQ Server
- MySQL Monitoring

Other Dashboards

- Core Software
- Telemetry

<https://monit-grafana.cern.ch/d/Q78h6E-nz/home?orgId=46>



cnrs

User support

Zammad & Control Room

User support : Zammad & Control Room



The screenshot shows the Zammad user profile page for a user named 'edgus'. The 'Rôles' (Roles) section is highlighted, showing a list of roles: 'NOM', 'lhcb_team', 'Common', 'atlas', and 'lhcb'. The 'atlas' role is currently selected.

For LHC : GGUS (based on zammad)

The screenshot shows the Zammad team tickets view for the 'Team Tickets ATLAS'. It displays a list of tickets with columns for ID, title, client, group, ticket area, status, and dates. The 'Team Tickets ATLAS' summary shows 807 tickets.

#	TITRE	CLIENT	GRUPE	TICKET AREA	ÉTAT	CRÉÉ LE	MIS À JOUR LE
1002759	NDGF Staging Timeout issues/failures	John Kenneth And...	NGI_NDGF	ATLAS Staging	assigned	12/05/2026 14:...	12/05/2026 15:04
1002756	Cannot get 2 files	Rodney Walker	NGI_SK	-	in progress	12/05/2026 12:25	12/05/2026 13:11
1002752	Transfer failures to the destination site ...	Furong Yan	NGI_LBERGRID	ATLAS File Access/Tran...	in progress	12/05/2026 00:...	12/05/2026 11:51
1002744	Wuppertal XCache in red	Tomas Blazek	NGI_DE	ATLAS XCache	in progress	09/05/2026 00:...	11/05/2026 07:21
1002733	INFN-COSENZA transfers as source failing	Fabio Luchetti	ATLAS IT cloud ...	ATLAS File Access/Tran...	assigned	07/05/2026 11:24	11/05/2026 11:36
1002732	Squid SAMPA down	Ammara Ahmad	ROC_LA	ATLAS Frontier-Squid	solved	07/05/2026 11:18	10/05/2026 08:...
1002729	IN2P3-LAPP-DCACHE_DATADISK Storage ...	John Kenneth And...	NGI_FRANCE	ATLAS Storage Systems	verified	07/05/2026 09:...	11/05/2026 15:41
1002726	squid TECHNION-HEP down	Sophie Trincaz-Du...	NGI_IL	ATLAS Frontier-Squid	solved	06/05/2026 23:...	07/05/2026 06:...
1002725	INFN-T1 deletions failwith "DavPosix:unl...	Sophie Trincaz-Du...	NGI_IT	ATLAS Deletion	in progress	06/05/2026 22:...	07/05/2026 16:27
1002723	AGLT2 deletion fail with " DavPosix:unli...	Sophie Trincaz-Du...	USATLAS	ATLAS Deletion	solved	06/05/2026 19:...	08/05/2026 17:13
1002715	Request to create group ATLAS Support ...	Andreu Pacheco P...	Helpdesk (GGU...	GGUS	verified	06/05/2026 09:...	07/05/2026 08:...
1002576	WT2 0% Transfer efficiency since ~30th A...	John Kenneth And...	USATLAS	ATLAS File Access/Tran...	solved	05/05/2026 09:...	08/05/2026 14:...
1002559	UKI-NORTHGRD-LIV-HEP: transfer errors...	Hatice Yildiz	NGI_UK	-	unsolved	04/05/2026 00:...	04/05/2026 16:...
1002558	HK-LCG2: Low transfer efficiency as sour...	Hatice Yildiz	NGI_CHINA	ATLAS File Access/Tran...	assigned	03/05/2026 23:...	06/05/2026 10:...
1002556	Squids of FMPHI-UNIBA is down	Kang Yu	NGI_SK	ATLAS Frontier-Squid	solved	03/05/2026 07:...	12/05/2026 14:41
1002555	TR-10-ULAKBIM: transfer errors as destl...	Kang Yu	NGI_TR	ATLAS File Access/Tran...	in progress	03/05/2026 06:...	07/05/2026 09:27
1002554	RO-07-NIPNE: transfer errors as source ...	Hatice Yildiz	NGI_RO	ATLAS File Access/Tran...	solved	03/05/2026 00:...	06/05/2026 10:...
1002553	INFN-T1 transfer and deletion errors	Lailin Xu	NGI_IT	ATLAS Deletion	in progress	02/05/2026 11:57	06/05/2026 17:...
1002552	Transfer failures from UKI-NORTHGRD-L...	Lailin Xu	NGI_UK	ATLAS File Access/Tran...	on hold	02/05/2026 09:...	06/05/2026 10:...
1002545	MWT2 transfer failures	Ngoc Khanh Vu	USATLAS	ATLAS File Access/Tran...	solved	01/05/2026 02:...	01/05/2026 16:...

User support : Zammad & Control Room



The dashboard displays several key performance indicators (KPIs) and an activity stream. The KPIs include:

- WAITING TIME TODAY:** My handling time: 0 minutes, Average: 0 minutes.
- MOOD:** 0 of my tickets escalated, Total: 13.
- CHANNEL DISTRIBUTION:** 54%, 0%, 46%.
- ASSIGNED:** Tickets assigned to me: 0 of 20, Average: 2.3.
- MY TICKETS IN PROCESS:** 0% are currently in process, Average: 0%.
- REOPENING RATE:** 0% have b...

The activity stream shows recent updates from users like Thomas Kachelhoffer and Dirk Hoffmann.

For CC-IN2P3 : Zammad

The 'Unassigned & Open' view shows a list of tickets. The table below represents the data shown in the screenshot:

#	TITLE	CUSTOMER	STATE	CREATED AT	UPDATED BY	UPDATED AT
3716035	Creation d'une liste sur ht...	Sarah ANTIER	open	4 days 15 hours ago	Thomas Kachelhoffer (CC-...	1 day 1 hour ago
3714929	error using aptainer	Hayko Guler (IJCLAB)	open	17/12/2025	Sebastien Gadrat (CC-IN2...	1 day 1 hour ago
3715251	lmod nix module	Sylvain Ferriol (IP2I)	open	10/02/2026	Sebastien Gadrat (CC-IN2...	1 day 1 hour ago
3715549	Email address change req...	ANCY A DANIEL	open	11/03/2026	ANCY A DANIEL	1 day 1 hour ago
3715567	iRODS - Demande de corr...	Anne CADIOU (LMFA)	open	12/03/2026	Nadia Lajili (CC-IN2P3)	1 day 1 hour ago
3716038	Augmentation de quota	Eric Lombardi (LIRIS)	open	4 days 12 hours ago	Thomas Kachelhoffer (CC-...	1 day 1 hour ago
3716062	Permissions étendues po...	Loïc Thulliez (IRFU)	open	1 day 6 hours ago	Thomas Kachelhoffer (CC-...	13 hours ago
3714940	bug affichage dans portail	Denis Pugnere (IP2I)	open	18/12/2025	David Bouvet (CC-IN2P3)	1 day 1 hour ago
3711937	[3DExperience] Cartouche...	nicolas allemandou	open	11/12/2024	Thomas Kachelhoffer (CC-...	1 day 1 hour ago
3714106	Importer des points sur 3...	Gregory IAQUANIELLO	open	12/09/2025	David Bouvet (CC-IN2P3)	1 day 1 hour ago
3714674	[3DExperience] Cartouche...	nicolas allemandou	open	20/11/2025	nicolas allemandou	1 day 1 hour ago
3716052	3Dexp - ouverture gros step	Émilie Schibler	open	3 days 10 hours ago	Thomas Kachelhoffer (CC-...	1 day 1 hour ago
3715605	Requête LSST France - pla...	Johan Bregoon (LPSC)	open	18/03/2026	Quentin Le Boul'h (CC-IN...	1 day 1 hour ago

User support : Zammad & Control Room



The screenshot shows the 'Procédures Control Room' page on the Diplo documentation site. The page title is 'Procédures Control Room' and it is described as 'Procédures à suivre pour la personne en shift de control room'. The main content is organized into two sections:

- 1. Utilisation Zammad**: Dans ce chapitre, nous décrivons les bonnes pratiques pour l'utilisation Zammad. 1 Page.
- 2. Procédures**: Dans ce chapitre, nous énumérons les procédures pour la salle de contrôle, divisées en différentes... 13 pages.

The left sidebar contains a search bar and a list of recent activities, including updates to 'Comptes utilisateurs', 'Collaborations', 'Systèmes de batch : SLURM', 'Logiciels', 'Outils communs', and 'Stockage'.

The screenshot shows a GitLab repository for 'controlroom_procedures' in the 'develop' branch. The repository path is 'gitlab.in2p3.fr/cc-in2p3-support/controlroom_procedures/-/tree/develop/doc?ref_type=heads'. A notification banner at the top states 'Gitlab Runners back to production. More information here.' The repository structure is as follows:

- Files: .gitlab-ci.yml, README.md
- doc directory:
 - 01-utilisation_zammad
 - 02-procedures
 - 03-liens_utiles
 - 04-gestion_arrets
 - 05-gestion_incidents

A commit titled 'update stockage' by Héliène Boquet is shown, with commit hash 661788ac. Below the commit is a table of file changes:

Name	Last commit	Last update
..		
01-utilisation_zammad	Update 48 files	1 month ago
02-procedures	update stockage	3 days ago
03-liens_utiles	Update 48 files	1 month ago
04-gestion_arrets	Merge branch 'NL-gestion-arrets' into 'develop'	1 month ago
05-gestion_incidents	Update 48 files	1 month ago



User support

User Documentation

User support : User Documentation



USER DOCUMENTATION

Helpdesk
Contact support

User portal
Monitor your activity

Identity portal
Create and manage your account

USER DOCUMENTATION

IN2P3 Computing Centre (CC-IN2P3) is a CNRS support and research unit (Unité d'Appui à la Recherche UAR6402) belonging to IN2P3, the institute that pursues and coordinates research on particle physics, nuclear physics and astroparticle physics. A national research infrastructure, CC-IN2P3 designs and operates an array of services, especially a mass storage system and resources able to process massive amounts of data.

DAILY USAGE

- User account
- Collaboration
- Collaboration contacts
- Resources access
- Assistance

COMPUTING

- The computing platform
- The computing grid

DATA STORAGE

- Storage areas
- Distributed storage
- Mass storage
- Database service

SOFTWARE

- Software Environment
- Available software

NETWORK

- Institutional network
- DNS management

COLLABORATIVE TOOLS

- Messaging
- Information exchange tools
- Document management

COMPUTING

- The computing platform
- The computing grid

DATA STORAGE

- Storage areas
- Distributed storage

Examples

Runnable examples of ressource exploitation in CC-IN2P3 environment

Subgroups and projects

- Notebooks
- Dask
- Extensions
- LLM (Large Language Model)
- QuantumComputing
- Scientific Python
- gitlab-profile
- SLURM scripts

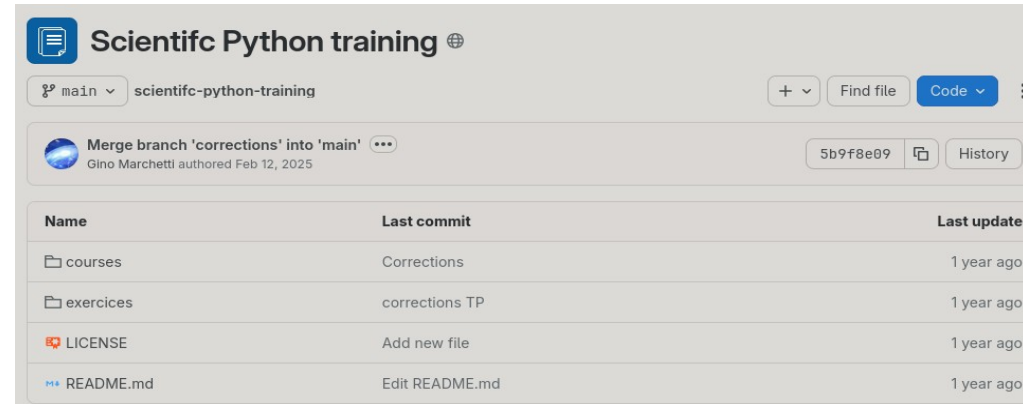


cnrs

User support

Training session

- **Feb 2025 : Scientific Python training (CPU-GPU, Parallel computing, Numpy, Dask, JAX)**



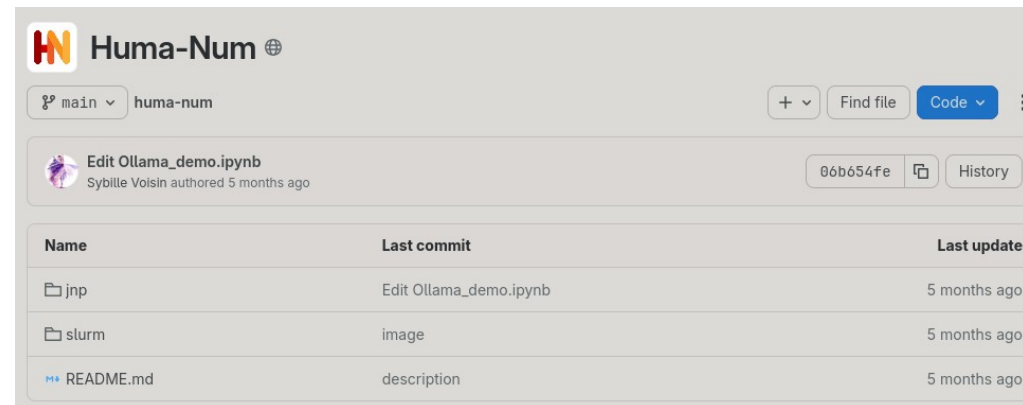
Scientific Python training

main scientific-python-training

Merge branch 'corrections' into 'main'
Gino Marchetti authored Feb 12, 2025

Name	Last commit	Last update
courses	Corrections	1 year ago
exercices	corrections TP	1 year ago
LICENSE	Add new file	1 year ago
README.md	Edit README.md	1 year ago

- **Nov 2025 : GPU Workshop (demo : chatbot based on the CC-IN2P3 documentation)**



Huma-Num

main huma-num


















Edit Ollama_demo.ipynb
Sybille Voisin authored 5 months ago

Name	Last commit	Last update
jnp	Edit Ollama_demo.ipynb	5 months ago
slurm	image	5 months ago
README.md	description	5 months ago



Conclusion

Monitoring & Support Overview

 Level	 Monitoring	 Support			
 CC-IN2P3	 Grafana	 Elasticsearch	 Nagios	 Riemann	 Zammad (local)
 ATLAS EXPERIMENT	 HammerCloud	 BigPanDA	 Rucio	 FTS Dashboard	 GGUS (global)
 LHCb LHCp	 DIRAC Portal	 LHCb Logbook	 Grafana	 GGUS (global)	