

Migration to Atlassian: feedback from GST

**Systems Division F2F
December, 2022**

Migration from RT to JIRA

- GST has already started the process. For a while, working on both RT and JIRA at the same time.
 - It is a Software Project, not a Service Management Project.
 - We are not using (yet) all the options and features available. Learning process.
 - Sorting by Priority may be helpful.

Migration from RT to JIRA

Projects / [Grid Services Issues](#)

Issues

Share ▼ Export issues ▼ Go to advanced search LIST VIEW DETAIL VIEW ⋮

Type	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created ↓	Updated	Due	
<input checked="" type="checkbox"/>	GS-15	log rotate entry errors for WNs "duplicate entries"	Thomas Birkett	Brian Davies	=	BACKLOG ▼	Unresolved	10 Dec 2022	10 Dec 2022		⋮
<input checked="" type="checkbox"/>	GS-14	UI machine python3 gfal bindings?	Jose Caballero Be...	James Walder	=	BACKLOG ▼	Unresolved	10 Dec 2022	10 Dec 2022		
<input checked="" type="checkbox"/>	GS-12	Add rule to sudoers for LHCb VO BOX	Jose Caballero Be...	Jose Caballero Be...	=	DONE ▼	Done	21 Nov 2022	21 Nov 2022		
<input checked="" type="checkbox"/>	GS-11	Fix Aquilon setup for CVMFS Stratum-1: daemon for iptables does not start on reboot	Jose Caballero Be...	Jose Caballero Be...	=	BACKLOG ▼	Unresolved	21 Nov 2022	21 Nov 2022		
<input checked="" type="checkbox"/>	GS-10	renew service certificate for LHCb VO BOX	Jose Caballero Be...	Jose Caballero Be...	=	DONE ▼	Done	21 Nov 2022	5 Dec 2022		
<input checked="" type="checkbox"/>	GS-9	Fix the problem on the Batch Farm preventing the removal of containers upon job completion	Thomas Birkett	Jose Caballero Be...	=	DONE ▼	Done	17 Nov 2022	21 Nov 2022		
<input type="checkbox"/>	GS-8	Lost file at ECHO	Jose Caballero Be...	Alexander Rogovs...	=	DONE ▼	Done	15 Nov 2022	15 Nov 2022		
<input checked="" type="checkbox"/>	GS-7	Fix VOMS setup for desy.de	Thomas Birkett	Jose Caballero Be...	=	BACKLOG ▼	Unresolved	15 Nov 2022	5 Dec 2022		
<input type="checkbox"/>	GS-6	FTS3-Test intermittently giving a 500 error when Rucio submitting jobs to it	Rose Cooper	Timothy Noble	=	IN PROGRESS ▼	Unresolved	9 Nov 2022	22 Nov 2022		
<input checked="" type="checkbox"/>	GS-5	Dedicated WN for LHCb vector read tests	Thomas Birkett	Alexander Rogovs...	=	BACKLOG ▼	Unresolved	7 Nov 2022	14 Nov 2022		
<input checked="" type="checkbox"/>	GS-4	Update HTCondor to version 9 on the User Interfaces	Jose Caballero Be...	Jose Caballero Be...	^	DONE ▼	Done	1 Nov 2022	7 Nov 2022		
<input checked="" type="checkbox"/>	GS-3	Fix VOMS setup on the Worker Nodes gateways	Thomas Birkett	Jose Caballero Be...	=	DONE ▼	Done	31 Oct 2022	14 Nov 2022		
<input type="checkbox"/>	GS-1	FTS migration to RC fromBD	Rose Cooper	Brian Davies	=	IN PROGRESS ▼	Unresolved	7 Oct 2022	7 Nov 2022		

Projects for Team activities

We started with one Project per Activity. Examples:

Projects / Integration of FTS with EGI Check-in and IRIS IAM

FTS token integration board

JB Epic

TO DO 3 ISSUES

- Download & run new DB schema on test cluster
[UPGRADE FTS TO 3.12](#)
 FTSTOKEN-6
- Check functionality of test instance
[UPGRADE FTS TO 3.12](#)
 FTSTOKEN-8
- Go through change control procedure
[UPGRADE FTS TO 3.12](#)
 FTSTOKEN-9

+ Create issue

IN PROGRESS 2 ISSUES

- Upgrade Prod & EGI FTS instances to 3.12 and test their functionality
[UPGRADE FTS TO 3.12](#)
 FTSTOKEN-10
- Update FTS RPMs on the test instance to latest version
[UPGRADE FTS TO 3.12](#)
 FTSTOKEN-1

DONE ✓

Projects / GST: Migration to Confluence

GMTC board

JB TB RC BD Label

TO DO 7 ISSUES

- ARC-CE: Compute Elements
 GMTC-1
- Batch Farm
 GMTC-2
- VO BOX CCP4
 GMTC-3
- CVMFS General CVMFS
 GMTC-16
- GST table
 GMTC-17
- General Description of Grid Services
 GMTC-18
- etcd
 GMTC-19

+ Create issue

IN PROGRESS 5 ISSUES

- Site ARGUS
 GMTC-4
- NGI ARGUS
 GMTC-5
- CVMFS Uploader CVMFS
 GMTC-8
- FTS
 GMTC-9
- BDII
 GMTC-10

+ Create issue

DONE ✓

See all Done issues

Projects / GST: refactor Batch Farm Telegraf plugins

GMBFTP board

JB Label

TO DO 8 ISSUES

- metrics-influxdb-condor-schedd CE
 GMBFTP-2
- metrics-influxdb-arc CE
 GMBFTP-1
- metrics-influxdb-xrootd-uptime WORKER_NODES
 GMBFTP-15
- metrics-influxdb-docker-health WORKER_NODES
 GMBFTP-13
- metrics-influxdb-xrootd-connections WORKER_NODES
 GMBFTP-14
- metrics-preserve-stall-information WORKER_NODES
 GMBFTP-16

REFACTORING 7 ISSUES

- metrics-influxdb-condor-capacity CENTRAL MANAGERS
 GMBFTP-3
- metrics-influxdb-condor-general CENTRAL MANAGERS
 GMBFTP-5
- metrics-influxdb-condor-jobs-too-long CENTRAL MANAGERS
 GMBFTP-7
- metrics-influxdb-condor-multijobstarts CENTRAL MANAGERS
 GMBFTP-8
- metrics-influxdb-condor-wn-echo CENTRAL MANAGERS
 GMBFTP-9
- metrics-influxdb-condor-wn-problems CENTRAL MANAGERS

DONE ✓

DECOMMISSIONED 1 ISSUE

- metrics-influxdb-cpu CENTRAL MANAGERS
 GMBFTP-11

Layout in Confluence

The sidebar navigation menu for the Grid Services Team space includes the following items:

- Grid Services Team
- Overview
- Blog
- Space Settings
- APPS
- Add apps
- SHORTCUTS
- Meeting notes
- Pages
 - GST Projects
 - GST Services and Service Compose...
 - GST Meetings
 - GST Change Control documents
- Archived pages

- [What is Grid Computing?](#)
- [Grid Services Team](#)
 - [Team members](#)
 - [Contact](#)
 - [Contributions to workshops, conferences, music festivals, parties, ...](#)
 - [Papers \(a.k.a. publications, a.k.a. pubs, a.k.a. beer!!\)](#)

What is Grid Computing?

The computational requirements for science keep growing every day. Running all your scientific models and analysis programs in a single mainframe is no longer a viable option. Modern science requires, more and more, large amounts of CPU power and data storage space.

There are two typical scenarios in modern science:

- Case 1. Small experiments needing quite a lot CPU power, but only occasionally. It is hard in these cases to justify the budget to procure the needed amount of computing power, as major part of the time it would remain unused.
- Case 2. Big experiments, needed as much CPU power and storage space as possible, constantly, for large periods of time. In this case, the requirements are so excessive that no a single institution in academia can afford them. Examples of this type of scientific projects are the High Energy Physics or Astrophysics.

Both scenarios can benefit from one possible solution: Grid Computing. The Grid Computing uses distributed computing resources, connected via Internet, to create a single computing cluster. With this approach, all the participating institutions share their computational resources with each other. Each member is allowed to use all the available resources, no matter where they are geographically, with the condition of allowing other members to use also its local infrastructure.

In the case of the LHC experiments, they all are members of a Grid Computing project called World LHC Grid Computing (WLCG). In this projects, participating institutions are organised in a tiered hierarchy, each tier having different levels of responsibilities.

RAL is a Tier1 institution... **TO BE COMPLETE !!!!**

Grid Services Team

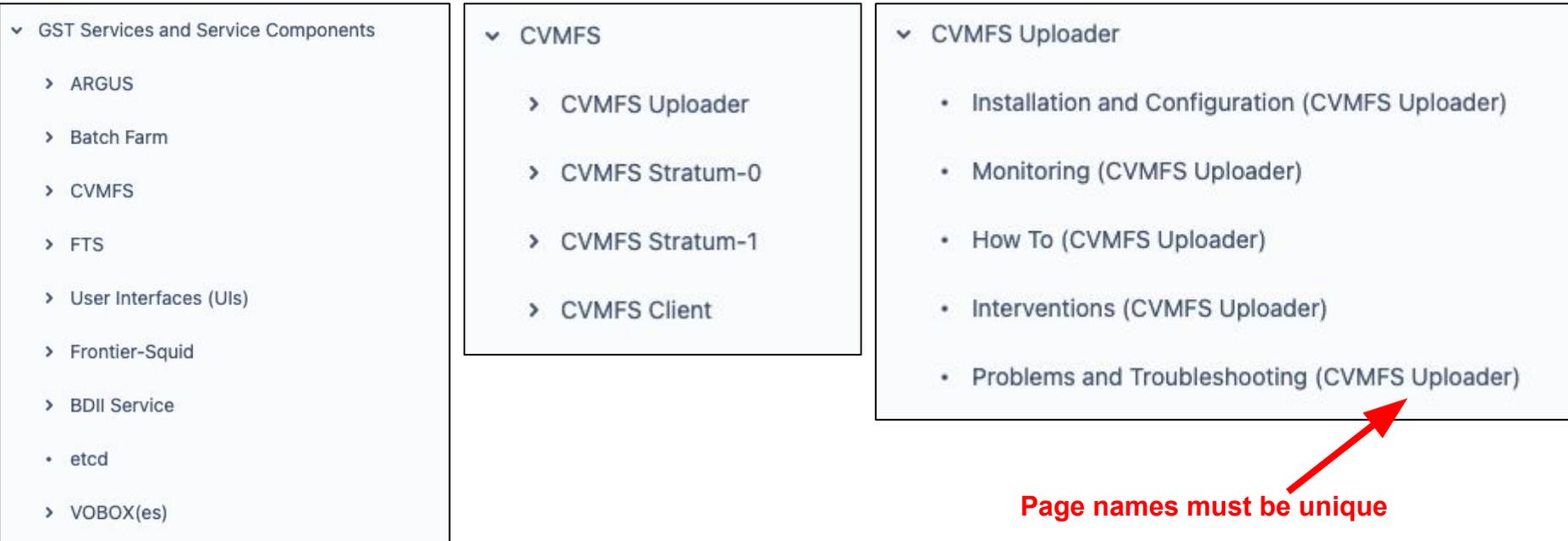
Grid Services Team maintain a series of services the utilisation of the computation resources at RAL by the scientific communities we support. In particular, those from the WLCG project. **TO BE COMPLETE**

Layout for Services Documentation

Type	Service	Owner / deputy	Hosts/Instances	Personalities	Comments
Tier-1 Managed Services: Services which are run by us and are part of the delivery of the Tier-1 service MoU.	ARC CEs	@Thomas Birkett / @Jose Caballero Bejar	arc-ce01 arc-ce02 arc-ce03 arc-ce04 arc-ce05		
	ARGUS NGI	@Thomas Birkett / @Jose Caballero Bejar	ngi-argus01 ngi-argus02		
	Batch Farm	@Thomas Birkett / @James Adams	lcg<NNNN>		
	TopBDII	@Brian Davies	lcgbdii01 lcgbdii02 lcgbdii03	ral-tier1__bdii-top	
	SiteBDII	@Brian Davies	lcsbdii01 lcsbdii02 lcsbdii03	ral-tier1__bdii-site	
	User Interfaces (UIs)	@Jose Caballero Bejar / @James Adams	lcgui05 lcgui06	lcgui05	
	VOBOX (ALICE)	@George Patargias / @Jose Caballero Bejar	lcv0-alice-1		
	VOBOX (LHCb)	@Jose Caballero Bejar / Robert Currie	lcv0-lhcb-1		

Layout for Services Documentation (ii)

- By Service > By Service Component (when needed) > By topic



Layout for Services Documentation (iii)

Grid Services Team / GST Services and Service Compon...

User Interfaces (UIs)

Created by Jose Caballero Bejar
Last updated: Nov 07, 2022 · 1 min read · 7 people viewed

- Description
- Tools provided by the User Interfaces
- Support for Dirac
- Scratch directory

Description

The User Interfaces allow users to interact directly with a series of services provided by the RAL Tier-1. For that purposes, they provide for several standard libraries and command line suites, listed below. The configuration for those libraries is standard, with no VO-specific setup. If a VO needs a special configuration or setup, that can be achieved with a dedicated VO BOX.

Tools provided by the User Interfaces

Some of the tools available are:

Tool	version
apptainer	1.1.2-1
DPM	1.13.0
CVMFS client	2.9.2
FTS client	3.9.4
generic grid tools	
gfal	2.20.5
gfal-util	1.7.1
HTCondor client	9.0.15

Parent pages contain basic description of the service: what it does, what it provides...