



ICAT at ALBA

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Agenda

- ▶ Project overview
- ▶ What's next?

Project Overview

- ▶ Project Team:
- ▶ Current versions:
 - ICAT: 4.2.5
 - TopCAT: 1.9
 - Java 6
 - Glassfish 3



September
2013

Project Overview

► User Office

[call information](#) | [before submitting a proposal](#) | [evaluation procedure](#) | [safety requirements](#) | [user funding](#) | [travel & accommodation](#) | [offer your experiment](#) | [special accommodation offer for alba user](#) | [anonymous user](#)

Welcome to the **ALBA User Office Application**

Name:

New User:

Login:

Lost Password:

Stage	Job Name	ICAT	NO	NO	NO	0 0 7 * * * *	-	-	-
Technical Review	Fail SyncProposalsWithIcat	ICAT	NO	NO	NO	0 0 7 * * * *	-	-	-
Scientific Review	Fail UserRegisterReminder	REMINDER	YES	NO	NO	0 0 1 0 3 * *	03202014	10:00:11	true OK
Safety Review	Fail SendUserInvitationsReminder	REMINDER	NO	NO	NO	0 20 1 0 * *	03202014	10:20:00	true JOB NOT ENABLED
Final Checking	Fail SendUserDeclarationReminder	REMINDER	YES	NO	NO	0 00 11 * * *	MON	03172014	11:00:11 true OK
Experiments	Fail SendUserFeedbackReminder	REMINDER	YES	NO	NO	0 30 1 0 * * *	MON	03172014	10:30:17 true OK
Shift Scheduling	Fail SendSiteAccessRequestReminder	REMINDER	NO	NO	NO	0 40 1 0 * * *	MON	03202014	10:40:00 true JOB NOT ENABLED
Propose Schedule	Fail SendPostExperimentListToCuReminder	REMINDER	NO	NO	NO	0 45 1 0 * * *	MON	03212014	01:00:00 false JOB NOT ENABLED
User Declaration	Fail SafetyTrainingNotificationScript	REMINDER	YES	NO	YES	0 010 0 * * *	?	03212014	16:10:00 true OK
Safety Training	Fail UserAccountValidatorReminder	REMINDER	NO	NO	NO	0 45 1 0 * * *	MON	03212014	00:00:00 true JOB NOT ENABLED
User Feedback	Fail SafetyTrainingReminder	REMINDER	YES	NO	NO	0 05 11 * * *	?	03212014	00:00:00 true OK
User Office	Fail RegenerationProposaPDFScript	TASK	NO	NO	NO	0 0 0 * * * *	?	03212014	00:00:00 true JOB NOT ENABLED
Administration	Fail CreateChildInTR0DataOfPendingShiftScript	TASK	NO	NO	NO	0 0 0 * * * *	?	04162013	11:05:10 true OK
Menu	Fail ProposalsInTR0ConvertToInsi	TASK	NO	NO	NO	0 0 7 * * * *	?	09112013	07:00:00 true OK
Research Area	Fail GenerateProposalChild	TASK	NO	NO	NO	0 0 7 * * * *	?	03212014	07:00:00 true JOB NOT ENABLED
Beamline									
Country									
Machine Operation Mode									
Static Page									
Home Institutions									
Users									
Peer Review Committees									
Ext Station									
Scheduled Tasks									
Proposes									
Period									
Machine Shift									
CELLS Laboratory									
Session Control									
Safety Training									

Scheduled Tasks from Quartz

Job Name	Job Group	Scheduled
Fail SendUserDeclarationReminder	REMINDER	Mon Mar 24 11 00:00 CET 2014
Fail SafetyTrainingReminder	REMINDER	Sat Mar 22 11 05:00 CET 2014
Fail SendSiteAccessRequestReminder	REMINDER	Mon Mar 24 10:40:00 CET 2014
Fail SendPostExperimentListToCuReminder	REMINDER	Sat Mar 22 01:00:00 CET 2014
Fail UserRegisterReminder	REMINDER	Mon Mar 24 10:00:00 CET 2014
Fail UserAccountValidatorReminder	REMINDER	Sat Mar 22 00:00:00 CET 2014
Fail SendUserInvitationsReminder	REMINDER	Mon Mar 24 10:20:00 CET 2014
Fail SendUserFeedbackReminder	REMINDER	Mon Mar 24 10:30:00 CET 2014
Fail SafetyTrainingNotificationScript	REMINDER	Fri Mar 21 16:20:00 CET 2014
Fail SyncBeamlinesScientistsWithIcat	ICAT	Sat Mar 22 07:00:00 CET 2014
Fail SyncBeamlinesWithIcat	ICAT	Sat Mar 22 07:30:00 CET 2014
Fail SyncResearchAreasWithIcat	ICAT	Sat Mar 22 07:15:00 CET 2014
Fail SyncPeriodsWithIcat	ICAT	Sat Mar 22 07:10:00 CET 2014
Fail SyncProposalsWithIcat	ICAT	Sat Mar 22 07:20:00 CET 2014
Fail GenerateProposaChildScript	TASK	Sat Mar 22 07:00:00 CET 2014
Fail ProposalsInTR0ConvertToInsi	TASK	Sat Mar 22 07:00:00 CET 2014
Fail RegenerationProposaPDFScript	TASK	Sat Mar 22 00:00:00 CET 2014

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Supported browsers: Firefox 6+, Internet Explorer 9, 8, Safari 4+, Opera 11

Optimized for 1280x1024

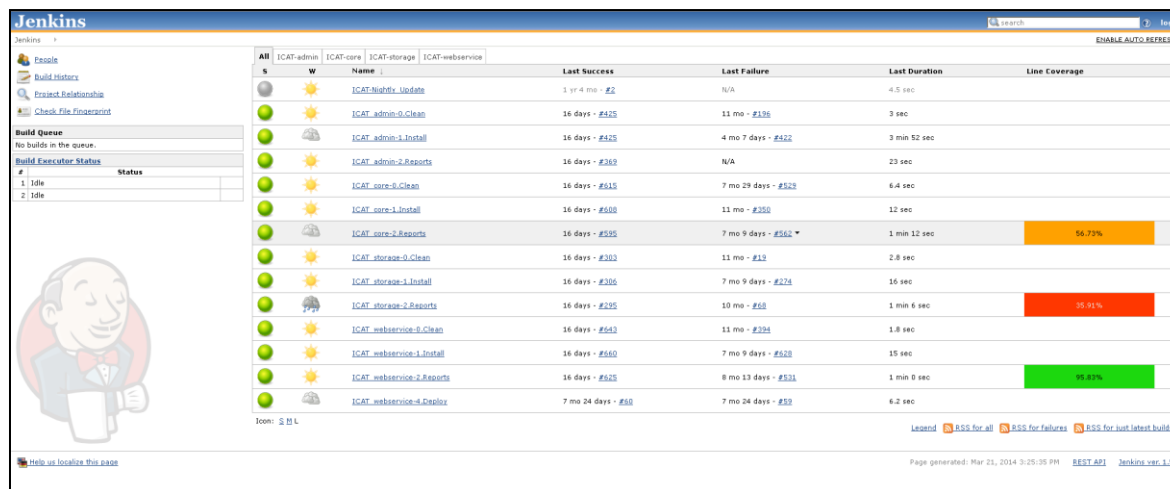
Current Version: 1.7.3

PROPOSALS SYNC Quartz Jobs

Fire!	SyncBeamlineScientistsWithIcat	ICAT	Sat Mar 22 07:05:00 CET 2014
Fire!	SyncBeamlinesWithIcat	ICAT	Sat Mar 22 07:00:00 CET 2014
Fire!	SyncResearchAreasWithIcat	ICAT	Sat Mar 22 07:15:00 CET 2014
Fire!	SyncPeriodsWithIcat	ICAT	Sat Mar 22 07:10:00 CET 2014
Fire!	SyncProposalsWithIcat	ICAT	Sat Mar 22 07:20:00 CET 2014

Project Overview

- ▶ 4 modules:
 - **Core:** controller of the system interface to ICAT.ear
 - **Admin:** User/Roles/File Format web interface
 - **Storage:** Data ingestion done via file parsing processes.
 - **Webservice:** Interface to the Core.
- ▶ CI: Jenkins

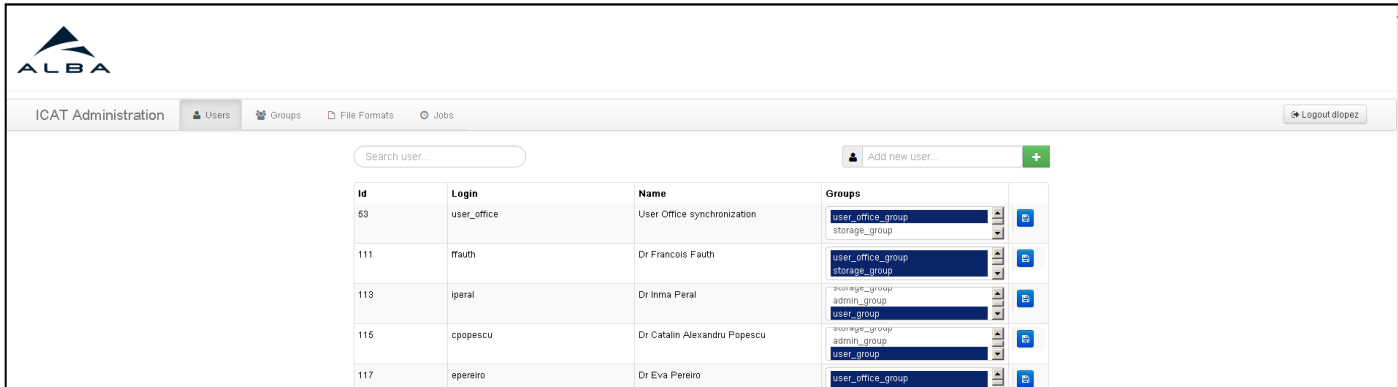


The screenshot displays the Jenkins web interface. On the left, there are navigation links for 'Results', 'Build History', 'Project Relationships', and 'Check File Fingerprint'. Below these is a 'Build Queue' section showing 'No builds in the queue.' and a 'Build Executor Status' table with two idle executors. The main area is a table of build jobs, filtered by 'All' modules. The table columns are 'Name', 'Last Success', 'Last Failure', 'Last Duration', and 'Line Coverage'. The jobs are organized by module: ICAT-admin, ICAT-core, ICAT-storage, and ICAT-webservice. The 'ICAT-webservice-2-Reports' job shows a line coverage of 95.83%.

Name	Last Success	Last Failure	Last Duration	Line Coverage
ICAT-Nightly-Update	1 yr 4 mo - #2	N/A	4.5 sec	
ICAT-admin-0.Clean	16 days - #425	11 mo - #136	3 sec	
ICAT-admin-1.Install	16 days - #425	4 mo 7 days - #422	3 min 52 sec	
ICAT-admin-2.Reports	16 days - #369	N/A	23 sec	
ICAT-core-0.Clean	16 days - #615	7 mo 29 days - #523	6.4 sec	
ICAT-core-1.Install	16 days - #608	11 mo - #300	12 sec	
ICAT-core-2.Reports	16 days - #595	7 mo 9 days - #562	1 min 12 sec	56.73%
ICAT-storage-0.Clean	16 days - #303	11 mo - #19	2.8 sec	
ICAT-storage-1.Install	16 days - #306	7 mo 9 days - #276	16 sec	
ICAT-storage-2.Reports	16 days - #295	10 mo - #68	1 min 6 sec	95.91%
ICAT-webservice-0.Clean	16 days - #643	11 mo - #324	1.8 sec	
ICAT-webservice-1.Install	16 days - #660	7 mo 9 days - #628	15 sec	
ICAT-webservice-2.Reports	16 days - #625	8 mo 13 days - #531	1 min 0 sec	95.83%
ICAT-webservice-4.Deploy	7 mo 24 days - #60	7 mo 24 days - #50	6.2 sec	

Project Overview

▶ ICAT administration:

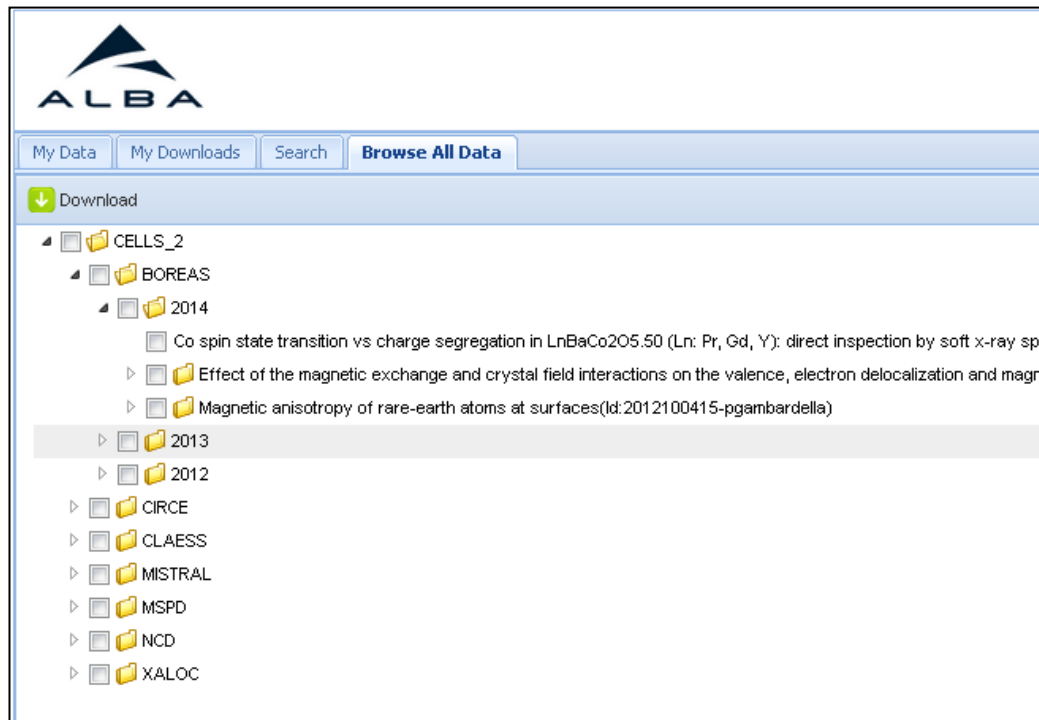


The screenshot displays the ICAT Administration web interface. At the top left is the ALBA logo. The navigation bar includes 'ICAT Administration', 'Users', 'Groups', 'File Formats', and 'Jobs'. A 'Logout diepez' button is located in the top right. Below the navigation bar is a search field labeled 'Search user...' and an 'Add new user...' button with a green plus sign. The main content area features a table with the following columns: Id, Login, Name, and Groups. The table lists five users with their respective login names and group assignments.

Id	Login	Name	Groups
53	user_office	User Office synchronization	user_office_group storage_group
111	ffauth	Dr Francois Fauth	user_office_group storage_group
113	lperal	Dr Irma Peral	storage_group admin_group user_group
115	cpopescu	Dr Catalin Alexandru Popescu	storage_group admin_group user_group
117	epereiro	Dr Eva Pereiro	user_office_group

Project Overview

▶ TopCAT:



What's next?

- ▶ Test environment (not production).
 - Need to test with real data.
 - Performance?
- ▶ IDS is still to be implemented.
 - Will not go to a production environment without.
- ▶ Interested in ingestion via python interface.
- ▶ Comments:
 - Upgrades:
 - Java 6 → Java 7
 - Glassfish 3 → Glassfish 4

Effort ?

ICAT at ALBA

Thank you