

TANGO



Connecting things together

Move to GIT



22/06/2016

Reynald Bourtembourg, Carlos Pascual - 30th Tango
collaboration meeting

[http://www.tango-
controls.org](http://www.tango-controls.org)

Move to Git Task Force

- Involving members of ALBA, ESRF and MAX IV
- Proposal documents & tools:

<http://github.com/tango-controls/svn2git-migration>

Motivation

- **Improve contribution process**
 - Forks + Pull requests
 - Contributors and integrators names kept in history
 - Code reviews + discussions on PR
 - Share knowledge
 - Better code quality
 - ...
- **Facilitate Long Term Support**
 - branching and cherry-picking

Choice of platform

Current situation



- Easy migration (just change svn to git repo and leave the rest as is)
- Poor interface for merge-requests & tickets
- Poor integration between mailing list and tickets
- No support for **public** Continuous Integration



Tested proposal

GitHub



- best interface
- Public Continuous Integration (via Travis)
- best integration with other services (Dockerhub, ReadTheDocs,...)
- many Tango developers already use it



- good interface
- Public Continuous Integration allowing own workers (e.g. for windows)
- Used internally by some Tango Institutes
- Open Source



Platform



GitHub

- Tango-Controls organization created on GitHub:
<https://github.com/tango-controls>
Will be used to host all the Tango-related repositories

Platform

- Each different svn-subproject (a subdirectory in the svn repository that has TTB directories) will be migrated to an independent git repository in the tango-controls organization.
- Independent lifecycle for each project (aka github repository): git repository, issues, users and teams, releases.
- Some projects may choose to be hosted elsewhere (discouraged)
They should register their repository in the Tango organization so that they can be linked (and possibly even mirrored) from the Tango organization

Workflow

- GitHub flow is recommended by default <https://guides.github.com/introduction/flow>
- Each project can choose his preferred workflow
- The workflow must be described in the Readme file and eventually in the documentation
- E.g.: “How to contribute” section of the LIMA project http://lima.blissgarden.org/howto_contribute.html

Tickets migration

- Tango tickets only in tango-cs
- Semi - automated migration thanks to a script using the GitHub API (<https://github.com/cmungall/gosf2github>)
- Main difficulty: to split the SF tickets to the corresponding new GitHub repositories
- A generic GitHub account ([tango-ticket-migrator](#)) will be used to migrate the tickets

Tickets migration - Requirements

- Target GitHub repository must have been created
- List of tickets to be migrated must be known
- Assignees should have a GitHub account + mapping SF account => GitHub accounts
- Assignees should be registered as collaborators of the target GitHub repository
- Tango-ticket-migrator shall be registered as collaborator of the target GitHub repository

Tickets migration



Example:

<https://github.com/tango-controls-migration-tests/sf2github/issues>

Filters Labels Milestones New issue

Clear current search query, filters, and sorts

	74 Open	723 Closed	Author	Labels	Milestones	Assignee	Sort
<input type="checkbox"/>			[c++] link against libmysqlclient instead of libmysqlclient_r	auto-migrated bug sourceforge			0
	#797 opened 22 days ago by tango-tickets-migrator						
<input type="checkbox"/>			Event -> Wrong attribute name in DeviceAttribute for DS using a file as Db	auto-migrated bug sourceforge			0
	#796 opened on 11 May by tango-tickets-migrator						
<input type="checkbox"/>			[tango][9.2.2] doen not compile on Debian unstable	auto-migrated bug sourceforge			3
	#795 opened on 26 Apr by tango-tickets-migrator						
<input type="checkbox"/>			API_AsynReplyNotArrived exception thrown when asyn call response is received in the last 20 ms before the timeout expiration	auto-migrated bug sourceforge			0
	#793 opened on 14 Apr by tango-tickets-migrator						
<input type="checkbox"/>			Calls to asynchronous methods not thread-safe when several CORBA system exceptions are thrown at the same time	auto-migrated bug sourceforge			3
	#792 opened on 14 Apr by tango-tickets-migrator						
<input type="checkbox"/>			Wrong usage of omni_mutex_lock in some files	auto-migrated bug sourceforge			1
	#791 opened on 14 Apr by tango-tickets-migrator						
<input type="checkbox"/>			Wrong full att name passed to event callback	auto-migrated bug sourceforge			0
	#790 opened on 12 Apr by tango-tickets-migrator						
<input type="checkbox"/>			Device not switching to ALARM	auto-migrated bug sourceforge			0
	#789 opened on 12 Apr by tango-tickets-migrator						

Db update script #379

Edit New issue

Closed tango-tickets-migrator opened this issue on 6 Dec 2010 · 2 comments



tango-tickets-migrator commented on 6 Dec 2010

tango-controls-migration-tests member + 😊 ✎

Hello all,

The script provided in Tango 7 source distribution to update a Tango 6 database to a Tango 7 database is buggy.

After running this script, you can't start a Starter device server process anymore.

Solved in distrib Windows 7.2.1.b and Linux 7.2.1.a

Emmanuel

Reported by: taurel

Original Ticket: [tango-cs/bugs/379](#)



tango-tickets-migrator commented on 29 Mar 2011

tango-controls-migration-tests member + 😊 ✎ ✕

Bug fix included in Tango 7.2.6

Original comment by: taurel



tango-tickets-migrator commented on 29 Mar 2011

tango-controls-migration-tests member + 😊 ✎ ✕

- **status:** open --> closed

Original comment by: taurel

tango-tickets-migrator added **bug** Source distribution sourceforge auto-migrated labels 21 days ago

taurel was assigned by tango-tickets-migrator 21 days ago

Labels

- auto-migrated
- bug**
- Source distribution
- sourceforge

Milestone

No milestone

Assignees

taurel

2 participants



Notifications

Unsubscribe

You're receiving notifications because you're subscribed to this repository.

Lock conversation

Tickets migration

- Attachments cannot be automatically migrated
But there will be a link to the original ticket in the GitHub issue description
- Current situation:
 - single entry point to create tickets in SF for all tango-related projects
 - Only tango-cs developers can create feature-requests tickets
 - Authenticated users can create bug tickets
- Future situation:
 - Many different repositories with their own issues
 - Any GitHub user can create issues

Potential issues

- Only subversion directories following TTB pattern can currently be moved automatically
 - Tango-cs problematic files: <https://gist.github.com/bourtemb/c3d3c89d5b6a41ac6a1b475d759c9b6d>
 - Tango-ds problematic files: <https://gist.github.com/bourtemb/49feb682806877177eaff7953869b213>
- svn external definitions (tango-cs distrib)
- Automated tools using svn will have to be updated

Roadmap

- Day 0: Compile the list of svn subprojects (E.g.: [List for tango-cs](#), [List for tango-ds](#))
- Day 0: Create map(s) from the above paths to proposed github repo names and metadata
- Day 0 to Day 14:
 - Circulation of the map(s) among Tango developers for manual tweaking.
 - Identify projects “with special needs” and remove them from the auto-migration list
- Day 0 to Day 15: Identification of the set of tickets to be migrated for each project.

Roadmap

- Day 15: Lock commits and ticket creation on SF.net
- Day 15: Automatic bulk-migration of repos using pyGitHub.py
- Day 16: Semi-Automatic migration of tickets of auto-created repos
- Day 16 to ??: Manual migration of "special needs" projects

TANGO



Connecting things together

Thank you!

Any questions?