

10 Yr Software Transition Dashboard

An attempt at capturing the remaining work to (approximately) complete the transition of Fermi software as we approach the end of the original 10-yr mission goal.

Code Development

Item	Description	Who	Deadline	Status	JIRA
Python 3	Enable flags for swig	Alex		IN PROGRESS	 STGEN-181 - Jira project doesn't exist or you don't have permission to view it.
Unit Test Overhaul	Separate flyweight and integration tests. Improve reporting.			DEFERRED	

Build Products Production

Item	Description	Who	Deadline	Status	JIRA
Expose binary artifacts (externals, ST, GR, containers) via https	We need to have an general endpoint for binary artifacts in NFS/GPFS. Some part of that endpoint should be structured so that artifacts can be downloaded according to parameters such as artifact name, artifact version, and architecture. Compilation flags may be another parameter.	Brian			
Organize on-disk representation of artifacts (externals,GR, containers, ST?)	Related to exposing the binary artifacts, we want to organize on-disk artifacts in a similar way, but unpacked in NFS/GPFS. This structure will be replicated to AFS and CVMFS for mounting in via containers, which is optimal for use in the batch system and login nodes.				
GlastRelease Containers	For GlastRelease, the previous on-disk representation of artifacts (available via cvmfs and afs), coupled with a lightly-modified centos6 container, should be adequate for L1 and simulations to use in production. It may be desired to have a "fat" container built with docker for use. We should get the build process for the lightly-modified centos6 container in Jenkins (a job separate from GR/ST builds)				
ScienceTools Containers	It's not apparent that we need ScienceTools Singularity container in the same way we want a GR container, though it may be desirable. We probably do want a "fat" docker container which is built via Conda.				

conda (ScienceTools) - mac builds	fermitools now builds on MacOS Sierra. Next steps are to create a Jenkins environment for CI, Hire mac hosting service.	Alex & Joe		COMPLETE	 ST GE N- 178 - Jira proj ect doe sn't exis t or you don' t hav e per mis sion to vie w it.
---	---	------------	--	----------	---

conda (ScienceTools) - user test bugs	Fixes for issues found in Validation testing.	Joe & Alex & FSSC		IN PROGRESS	 ST GE N- 180 - Jira proj ect doe sn't exis t or you don' t hav e per mis sion to vie w it.
--	---	-------------------------	--	-------------	---

conda (ScienceTools) - linux builds	Fermitools builds on Linux. Now we must create a docker container and Jenkins pipeline to build and test the tools.	Alex		IN PROGRESS	 ST GE N- 186 - Jira proj ect doe sn't exis t or you don' t hav e per mis sion to vie w it.
conda (ScienceTools) - MacOS builds	Fermitools builds on MacOS. Now we must create a vagrant virtual machine and Jenkins pipeline to build and test the tools.	Alex		IN PROGRESS	

Mac OS Support

Item	Description	Who	Deadline	Status	JIRA
set up lease of servers				IN PROGRESS	

Using Containers in L1 and Simulations

Item	Description	Who	Deadline	Status	JIRA

Operating L1 etc

Item	Description	Who	Deadline	Status	JIRA
cleanup documentation		TomS, Warren		IN PROGRESS	 LONE-206 - Jira project doesn't exist or you don't have permission to view it.
L1 GR branch builds		Heather		IN PROGRESS	
Get Jenkins to clean up workspace for new builds	An L1 build may follow a master build and it's not clear what is being rebuilt - some build products are re-used across builds.	Brian			 GRI NF- 87 - Jira proj ect doe sn't exis t or you don' t hav e per mis sion to vie w it.

Fill ISOC SVN repository documentation	A lot of the ISOC software is held in a SVN repository. We need documentation on the packages contained there including a description, where it gets install, who maintains it, and whether or not the repository and code in production are synced.	Steve T., Tom S., others?				 PIP E- 49 - Jira proj ect doe sn't exis t or you don' t hav e per mis sion to vie w it.
--	--	---------------------------	--	--	--	--

Documentation

Item	Description	Who	Deadline	Status	JIRA
Find home or discard old Workbook content	Move content to GitHub or Confluence	Heather			
Document release process in GitHub		Brian			
Conda Tools Documentation	Instructions for users on installing the conda version of the Tools	Joe A.		IN PROGRESS	

Unresolved ScienceTools JIRA Issues

ISSUE NUMBER		REPORTER	ASSIGNEE	Status?
 STGEN-185 - Jira project doesn't exist or you don't have permission to view it.		Joe Asercion	Joe Asercion	IN PROGRESS Ongoing until first conda release
STGEN-184		Alex Reustle	Alex Reustle	DEFERRED Stays open (no work requested yet)
STGEN-183		Joe Asercion	Joe Asercion	COMPLETE

STGEN-182		Joe Asercion	Joe Asercion	COMPLETE
STGEN-181		Alex Reustle	Alex Reustle	IN PROGRESS Reassigned to Eric. Alex needs to update comment with his progress
STGEN-180		Alex Reustle	Joe Asercion	IN PROGRESS Ongoing until first conda release
STGEN-179		Joe Asercion	Joe Asercion	IN PROGRESS Toby says he does not see the FIXME comment and has no idea what I'm referencing. Elizabeth said she would get in touch with him.
STGEN-178		Joe Asercion	Joe Asercion	COMPLETE
STGEN-176		Alex Reustle	Alex Reustle	IN PROGRESS
STGEN-175		Joe Asercion	Joe Asercion	IN PROGRESS
STGEN-174		Joe Asercion	Alex Reustle	IN PROGRESS Assigned to Joe E. He has confirmed this is still happening but it is sporadic. Will defer to him/Alex/Elizabeth with regards to what they want to do to fix this. Reassigned to Alex, as he is most familiar with gtorbsim
STGEN-173		Joe Asercion	Joe Asercion	COMPLETE
STGEN-172		Joe Asercion	Nicola Omodei	IN PROGRESS Double check models still work, close if no action needed
STGEN-169		Joe Asercion	Joe Asercion	COMPLETE
STGEN-168		Joe Asercion	Joe Asercion	COMPLETE
STGEN-167		Joe Asercion	Joe Asercion	COMPLETE
STGEN-166		Jean Ballet	Toby Burnett	NOT STARTED
STGEN-165		Regina Caputo	Maria Elena Monzani	NOT STARTED Reassign to Giacomo, he will work on this (COULDN'T FIND GIACOMO IN JIRA)
STGEN-162		Heather Kelly	Heather Kelly	IN PROGRESS Waiting on Joanne to respond
STGEN-161		Matthew Wood	Toby Burnett	COMPLETE
STGEN-155		Giacomo Vianello	Toby Burnett	IN PROGRESS Assigned to Brian
STGEN-152		Jim Chiang	Jim Chiang	IN PROGRESS Assigned to Joe
STGEN-149		Giacomo Vianello	Jim Chiang	COMPLETE Issue was not present when investigating the current version of ModelEditor that is released with the ST. Closed
STGEN-145		Jean Ballet	Joanne Bogart	Waiting on Joanne to respond
STGEN-144		Matt Wood	Jim Chiang	Leave with Jim
STGEN-138		Jim Chiang	Stephen Fegan	Assigned to Alex
STGEN-135		Jean Ballet	Stephen Fegan	Assigned to Elizabeth
STGEN-127		Vlasios Vasileiou	Jim Chiang	Documentation update, assigned to Elizabeth. Joe will look into phibins=0=1 behavior code update
STGEN-124		David Landriu	James Peachey	This is not currently implemented. I can modify tip to do so, if requested ~ Joe A
STGEN-122		Jim Chiang	James Peachey	Switched to CALDB. Closed
STGEN-115		Giacomo Vianello	James Peachey	Closed (Chris' recommendation)
STGEN-111		Jean Ballet	Toby Burnett	Ignore for now
STGEN-110		Jim Chiang	Toby Burnett	Assign to Joe A, double check to see if lines were changed per Jim's comment (ASSIGNED TO JOE A)
STGEN-108		Tom Glanzman	James Peachey	Ok to close out and reopen if it becomes an issue again (CLOSED BY TOM G)

STGEN-107		James Peachey	James Peachey	Joe E investigated, still happening. Reassigned to Joe A
STGEN-101		Daniel Flath	Jim Chiang	OBE, should be closed (we've changed handling of EVENT_CLASSES (bitmask change) (JOE A CLOSED)
STGEN-98		mazziotta	James Peachey	Elizabeth checked. They are set to NULL. Closed issue.
STGEN-94		Jean Ballet	Toby Burnett	Closed
STGEN-90		Vlasios Vasileiou	Toby Burnett	Ignore for now
STGEN-87		John Vernaleo	Jim Chiang	Joe A will verify.
STGEN-82		Vlasios Vasileiou	James Peachey	Closeout (CLOSED)
STGEN-62		John Vernaleo	Toby Burnett	OBE, should be closed (CLOSED BY JOE A)
STGEN-47		Eric Winter	Nicola Omodei	Joe A will verify.
STGEN-46		Eric Winter	Nicola Omodei	Joe A will verify.
STGEN-45		Eric Winter	Nicola Omodei	Joe A will verify.
STGEN-44		Eric Winter	Nicola Omodei	Joe A will verify.
STGEN-42		Jim Chiang	Jim Chiang	Verify with Jim the status of this issue