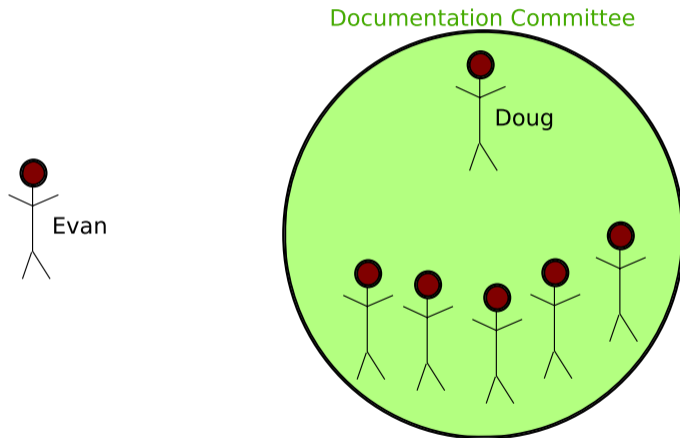


This Is Not A Documentation Committee Report

Evan McClellan

January 25, 2018

The Documentation Committee



Version Control and Collaborative Software Development

Using git/GitHub to Manage Online Replay Code

Evan McClellan

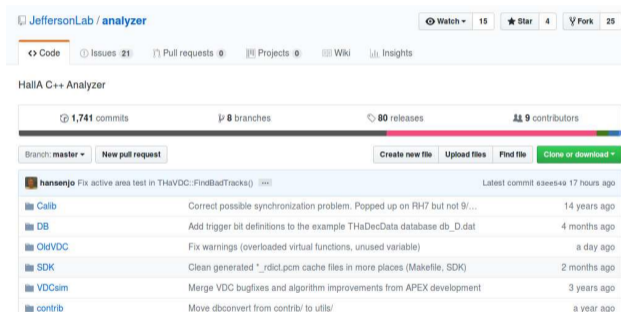
January 25, 2018

The Problem To Be Solved

- Ar(e,e'p) inherited replay scripts from GMp.
- Little preparation time, last-minute development
- Many developers (tritium students), collisions and overwriting!

Upgrade to Analyzer 1.6

- Nicer analyzer database formatting
- Many optimizations
- 'aonl' machines update OS
- 'aonl' machines update ROOT (ROOT6)



JeffersonLab / analyzer

Watch 15 Star 4 Fork 25

Code Issues 21 Pull requests 0 Projects 0 Wiki Insights

HallA C++ Analyzer

1,741 commits 8 branches 80 releases 9 contributors

Branch: master New pull request Create new file Upload files Find file Clone or download

Commit	Message	Time
hansenjo	Fix active area test in THaVDC::FindBadTracks()	Latest commit 63ees40 17 hours ago
Calib	Correct possible synchronization problem. Popped up on RH7 but not 9/...	14 years ago
DB	Add trigger bit definitions to the example THaDecData database db_D.dat	4 months ago
OldVDC	Fix warnings (overloaded virtual functions, unused variable)	a day ago
SDK	Clean generated *_rdict.pcm cache files in more places (Makefile, SDK)	2 months ago
VDCsim	Merge VDC bugfixes and algorithm improvements from APEX development	3 years ago
contrib	Move dbconvert from contrib/ to utils/	a year ago

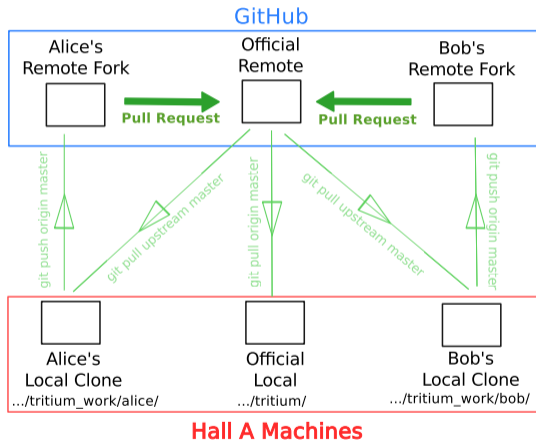
Halla Online Tritium Repository!

- Track all online replay source code
 - ▶ Replay scripts
 - ▶ Tritium-specific libraries
 - ▶ DB files
 - ▶ many other online/offline scripts
- Also track scaler GUI codes

The screenshot shows the GitHub repository page for JeffersonLab/Halla-Online-Tritium. The repository is titled "Halla Online Scripts for Tritium Experiment" and has 697 commits, 1 branch, 0 releases, and 16 contributors. The current branch is master. The repository is a public repository with 9 unwatchers, 0 stars, and 19 forks. The repository is a public repository with 9 unwatchers, 0 stars, and 19 forks. The repository is a public repository with 9 unwatchers, 0 stars, and 19 forks.

File	Commit Message	Time
vanlellan	Merge pull request #207 from tsu1988/master	Latest commit 243f8e8 9 hours ago
doc	Committing Shujie's shift checklist updates	11 days ago
replay	Merge pull request #207 from tsu1988/master	9 hours ago
scaler	Updated xscaler GUI sc1 ch16 empty -> L1A direct from TS2 output.	a month ago
.gitignore	Cleaning up git repo: Scripts dir. moved all non-gui scripts to sub dir.	16 days ago

Optimal Workflow



Success!

December 25, 2017 – January 25, 2018

Period: 1 month ▾

Overview

40 Active Pull Requests

10 Active Issues

40

Merged Pull Requests

0

Proposed Pull Requests

5

Closed Issues

5

New Issues

Excluding merges, **10 authors** have pushed **80 commits** to master and **80 commits** to all branches. On master, **115 files** have changed and there have been **4,752 additions** and **4,729 deletions**.



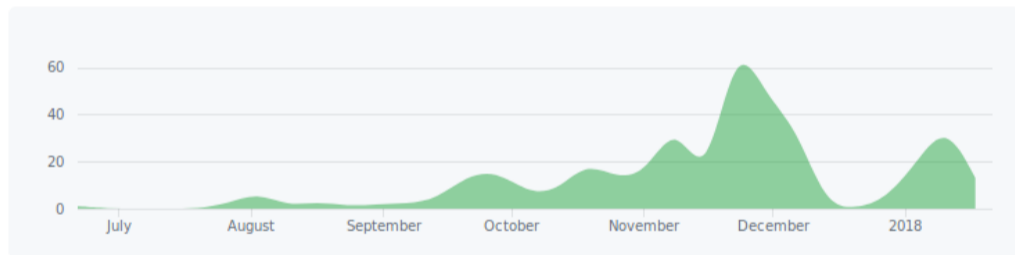
40 Pull requests merged by 10 people

Merged #207 **modify the spot++ to get rid of cosmic rays** 9 hours ago

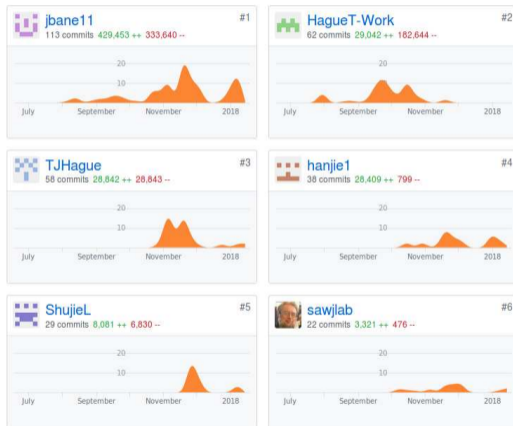
Merged #206 **little modifications** 9 hours ago

Merged #205 **update README on metadata and roles** 14 hours ago

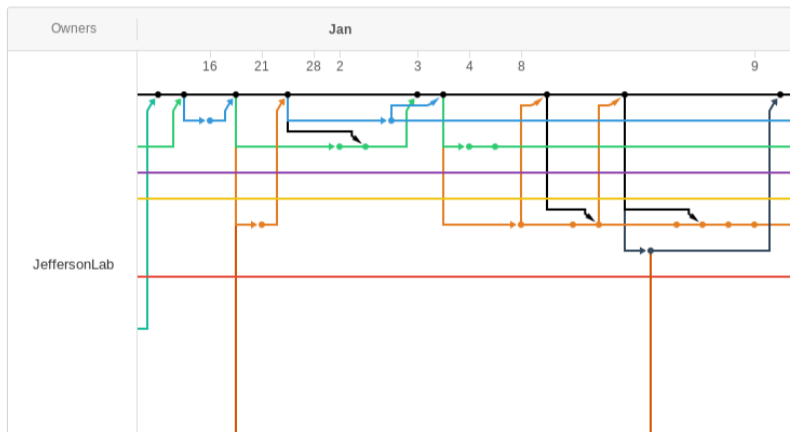
Commit History



Contributors



Network



Issue Tracker

JeffersonLab / **HALLA-Online-Tritium** Unwatch 9 ★ Star 0 Fork 19

[Code](#) **Issues 7** [Pull requests 0](#) [Projects 0](#) [Wiki](#) [Insights](#) [Settings](#)

Filters **Labels** **Milestones** [New issue](#)

<input type="checkbox"/>	7 Open ✓ 9 Closed	Author ▾	Labels ▾	Projects ▾	Milestones ▾	Assignee ▾	Sort ▾
<input type="checkbox"/>	RHRS detector edges see no hits #202 opened 2 days ago by vanlellan						
<input type="checkbox"/>	RHRS Shower Calibration #201 opened 2 days ago by vanlellan						
<input type="checkbox"/>	Make Decoder for MLU clock counter #197 opened 2 days ago by vanlellan						
<input type="checkbox"/>	Make SPOT usable at high angles						

Version Control All Online Software?

- CODA
 - ▶ configs (mysql/COOL database)
 - ▶ readout lists
 - ▶ start/stop run scripts
 - ▶ module libraries
- others?
- Goal: Tracking of all software used for data-taking

The End

Thanks!