

Klever - Bug #8666

Acquire locks when dealing when build commands cache

01/15/2018 12:04 PM - Evgeny Novikov

Status: Closed	Start date: 01/15/2018
Priority: Urgent	Due date:
Assignee: Alexey Polushkin	% Done: 0%
Category: Program fragments generation	Estimated time: 0.00 hour
Target version: 1.0	Published in build:
Detected in build: svn	
Platform:	
Description At the moment two methods <code>core.lkvog.LKVOG#process_linux_kernel_build_cmd_desc</code> and <code>core.lkvog.LKVOG#_find_cc_full_desc_files_</code> operates with build commands cache <code>linux_kernel_build_cmd_out_file_desc</code> without any explicit locking while each of them performs several nonatomic actions. Maybe this can be a reason of extremely rare data races (e.g. #8664 , although I'm not sure that was a data race...). <p>I suppose to explicitly acquire locks around all operations with shared dictionary. To do that it is most likely required to introduce multiprocessing.managers.SyncManager.Lock.</p>	
Related issues:	
Related to Klever - Feature #8664: Refactor relating build commands	Rejected 01/15/2018

History

#1 - 01/15/2018 12:05 PM - Evgeny Novikov

- Related to Feature #8664: Refactor relating build commands added

#2 - 02/02/2018 05:38 PM - Alexey Polushkin

- Status changed from New to Resolved

Resolved in branch 'lkvog_lock'

#3 - 02/02/2018 11:39 PM - Evgeny Novikov

- Target version changed from 2.0 to 1.0

Let's include this bug fix perhaps very useful into Klever version:0.3.

#4 - 03/05/2018 11:56 AM - Evgeny Novikov

- Status changed from Resolved to Closed

I merged this branch to master in [6d71b32](#) as a part of branch `clean_dir2`.