

libretools - Bug #410

[librerelease] blocks [librestage]

2013-09-14 05:53 PM - lukeshu

Status: fixed	% Done: 100%
Priority: feature	
Assignee: lukeshu	
Category:	
Description	
<p>My solution to Bug #379 was for librerelease to grab an exclusive lock on the staging directory, while having librestage require a shared lock.</p>	
mtjm:	
<p>I don't understand how locking would help: wouldn't it delay the second librestage until librerelease finishes, keeping the CPU idle instead of building packages for several hours in some cases?</p>	
<p>The old solution was to make a list of staged files in librerelease once and then release them. It's safe to continue staging files until the next librerelease run releases them.</p>	
lukeshu:	
<p>That is the case: it will block librestage.</p>	
<p>Because sets of files can't be added to the staging directory atomically, there are a couple of race conditions so that I don't want to have the list of staged files.</p>	
<p>Perhaps if librerelease first moved files to a temporary upload directory, and only held the lock while it was moving the files?</p>	
<p>Although, this could also be fixed in the programs you use to build packages. Staging doesn't need to block building. treepkg/fullpkg could run the staging commands in the background. Also, they could be learn how to do parallel builds by spawning new chroot copies.</p>	
<p>I'm closing this, and creating a "librerelease block librestage" bug.</p>	

History

#2 - 2013-09-14 05:56 PM - lukeshu

Herp, I can just have the lock in librerelease while creating the list. Once the list is created, I can close the lock.

#3 - 2013-09-30 02:28 PM - lukeshu

this is fixed in 20130930