

Servers - Bug #3178

[parabola-repolint]: failed to detect registered, but missing package file

2022-02-11 04:57 PM - bill-auger

Status: in progress	% Done: 33%
Priority: bug	
Assignee:	
Category:	
Description	
<ul style="list-style-type: none">steps to reproduce: <pre># pacman -S lua53-lgi</pre>expected result: lua53-lgi installs properlyactual result: <pre># pacman -S lua53-lgi extra/lua53 5.3.6-1 1.05 MiB community/lua53-lgi 0.9.2-7 0.66 MiB 0.23 MiB :: Retrieving packages... lua53-lgi-0.9.2-7-x86_64.pkg.tar.zst failed to download error: failed retrieving file 'lua53-lgi-0.9.2-7-x86_64.pkg.tar.zst' from repo.parabola.nu : The requested URL returned error: 404 warning: failed to retrieve some files error: failed to commit transaction (failed to retrieve some files) Errors occurred, no packages were upgraded.</pre>	
Subtasks:	
Bug # 3179: [lua53-lgi]: lua53-lgi-0.9.2-7-x86_64.pkg.tar.zst failed to download	in progress
Bug # 3191: ffmpeg update breaks mpv	fixed
Bug # 3192: [zstd] zstd packages for armv7h not in repos or any mirrors	in progress

History

#1 - 2022-02-11 05:03 PM - bill-auger

From: bill-auger

To: dev@lists.parabola.nu

Subject: repo linter additions

Date: Thu, 10 Feb 2022 22:32:54 -0500

regarding a bug report this week (still only on the forum), which identified a registered, but missing, package file, the repo linter has a test which (semantically) should have detected it; but did not

```
pkgentry_missing_pkgfile
```

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```

for the list of entries in a repo.db, check whether a built package exists that backs the entry. The check reports an issue for each repo.db entry that is not associatable with a valid built package.

so, i decided to try to account for that discrepancy (and maybe add a few more tests) - ive setup the repo linter locally; and

made some changes to support linting my local repo mirror, (and likewise, to use my local abslibre) rather than copying everything into ~/.cache

for those interested, i bring your attention to the '2022-02' branch of the repo-linter code-base - the change labeled: 'allow user-configured existing local mirror and abslibre' is most significant

<https://git.parabola.nu/~oaken-source/parabola-repolint.git/commit/?h=wip-2022-02&id=9e0443ba96aa6463f66d2f9c5a9c537e050f72b7>

other minor changes:

- renamed some cli-args/vars
- updated the pip requirements
- added the pacman requirements to the README
- added install instructions to the README
- added parabola redmine as bug report URL in the README
- changed upstream URL in pip package metadata from github to parabola
- removed site-specific data from parabola-repolint.conf.example

additionally, (TODO) the current repo-linter checks only for files which should be in the repo, according to the .db files - several more checks will be needed in order to cleanup stray/orphaned files, such as the stray .sig which caused upstream imports to fail last week - a rough estimate suggest that there may be several hundred such stray files - these new checks should approach from the opposite direction, focusing on the actual files on disk, correlating those to the .db files, and reporting the rest as cruft

#2 - 2022-02-11 05:13 PM - bill-auger

after looking over the code (enough to get it running), my broad impression is that parabola-repolint seems to take the .db files as canonical, and check the files on disk for conformance against the DB - thats why i consider this a bug against the existing parabola-repolint - it appears to have been designed to catch this class of problem, but somehow missed it

analyzing the final paragraph of that email, the existing parabola-repolint checks are the "top-down" approach, where those litter files require the "bottom-up" approach - i may open a new ticket for that later, if i make any progress in that direction

#3 - 2022-02-20 10:51 PM - bill-auger

the repo linter is nearly ready to report these inconsistencies

there are other missing packages without bug reports (not sure how many yet)

- core/os/armv7h/expat-2.4.4-1-armv7h.pkg.tar.xz
- also a similar problem with the current x86_64 'xjadeo', is causing the 'community' import to fail for the past few days - that is the cause of [#3191](#)
 - the 'ffmpeg' required by 'mpv' is stuck in community-testing