Packages - Bug #3053

pacman reports "maximum file size exceeded" on a number of Parabola libre systems during system upgrade

2021-06-24 09:14 PM - Drag0nFly

Status:	not-a-bug	% Done:	0%
Priority:	bug		
Assignee:			
Category:			

Description

• steps to reproduce:

pacman -Syyu

· expected result:

Packages download and install successfully

· actual result:

error: failed retrieving file 'dovecot-2.3.15-2-x86_64.pkg.tar.zst' from redirector.parabola.nu : Operation timed out after 10001 milliseconds with 0 out of 0 bytes received

error: failed retrieving file 'dovecot-2.3.15-2-x86_64.pkg.tar.zst?noredirect.sig' from repo.parabola.nu: Maximum file size exceeded

This issue started occurring within the last couple of days, and has been verified on a number of systems.

Related issues:

Related to Servers - Bug #3343: SSL connection timeouts towards redirector.pa...

unconfirmed

History

#1 - 2021-06-24 09:15 PM - Drag0nFly

System #2:

```
sudo pacman -Syyyu
[sudo] password for martin:
:: Synchronizing package databases...
nonprism
4.5 KiB 18.9 KiB/s 00:01 [
nonsystemd
9.3 KiB 176 KiB/s 00:00 [
libre
0.1 KiB 1030 KiB/s 00:00 [
core
9.9 KiB 508 KiB/s 00:00 [
################################# 1 100%
0.3 KiB 4.90 MiB/s 00:00 [
community
5.3 MiB 11.6 MiB/s 00:00 [
pcr
4.8 KiB 524 KiB/s 00:01 [
:: Starting full system upgrade...
warning: flac: ignoring package upgrade (1.3.2-2 => 1.3.3-3)
warning: libp11-kit: local (0.24.0-1) is newer than nonsystemd (0.23.20-5.nonsystemd1)
warning: netpbm: local (10.73.33-1) is newer than libre (10.73.31-1.parabolal)
warning: p11-kit: local (0.24.0-1) is newer than nonsystemd (0.23.20-5.nonsystemd1)
warning: shntool: local (3.0.10-6) is newer than libre (3.0.10-5.parabolal)
resolving dependencies...
```

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```
looking for conflicting packages...
Packages (10)
iceweasel-1:89.0.2-1.parabolal libcanberra-0.30+2+gc0620e4-5 libldap-2.4.59-1 libmediainfo-21.03-1 libzen
-0.4.39-1 mediainfo-21.03-1 python-docutils-0.17.1-1 ruby-irb-1.3.6-1 tinyxml2-9.0.0-1
        torbrowser-launcher-0.3.4-2
Total Download Size: 55.66 MiB
Total Installed Size: 226.67 MiB
Net Upgrade Size: 0.19 MiB
:: Proceed with installation? [Y/n]
:: Retrieving packages...
libldap-2.4.59-1-x86_64
3.5 KiB 273 KiB/s 00:01 [
libcanberra-0.30+2+gc0620e4-5-x86_64
1.6 KiB 168 KiB/s 00:01 [
iceweasel-1:89.0.2-1.parabola1-x86_64
1.8 MiB 32.0 MiB/s 00:02 [
############################
                  ##################### 100%
libzen-0.4.39-1-x86_64
6.5 KiB 178 KiB/s 00:01 [
Total (4/10)
                                                                  55.7 MiB 12.9
error: failed retrieving file 'libzen-0.4.39-1-x86_64.pkg.tar.zst?noredirect.sig'
from repo.parabola.nu : Maximum file size exceeded
warning: failed to retrieve some files
error: failed to commit transaction (download library error)
Errors occurred, no packages were upgraded.
```

#2 - 2021-06-24 09:41 PM - bill-auger

i had no problem installing dovecot and libzen today - this URL looks peculiar though 'dovecot-2.3.15-2-x86_64.pkg.tar.zst?noredirect.sig'

could you clear your cache and try again?

```
# pacman -Scc
# pacman -Syyuu
```

#3 - 2021-06-24 10:45 PM - Drag0nFly

I'd rather not remove all downloaded packages, as the issue does not seem to be related to a specific package.

The issue does not only occur with dovecot, but with libzen as well.

When performing a manual upgrade of the same package pacman complains about, it works.

#4 - 2021-06-24 10:50 PM - Drag0nFly

I agree that the issue appears to be related to the ?noredirect suffix, which I presume is added by the mirror. I use the standard (system-defined) revolving mirror on all my systems, btw.

#5 - 2021-06-24 10:52 PM - Drag0nFly

Same for dovecot, the actual downloaded file is ok, but something trips up pacman during "pacman -Syyu" into thinking there is corruption/too-large-file issue.

#6 - 2021-06-25 05:04 PM - Drag0nFly

I'm pretty sure this is related to the redirector service, as repository sync is sometimes painfully slow. (and no, there is no issue with the Internet connection)

```
error: failed retrieving file 'extra.db'
from redirector.parabola.nu: Operation too slow. Less than 1 bytes/sec transferred the last 10 seconds
error: failed retrieving file 'extra.db'
from redirector.parabola.nu: Operation too slow. Less than 1 bytes/sec transferred the last 10 seconds
error: failed retrieving file 'extra.db'
from redirector.parabola.nu: Operation too slow. Less than 1 bytes/sec transferred the last 10 seconds
```

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warning: too many errors from redirector.parabola.nu, skipping for the remainder of this transaction error: failed to synchronize all databases (download library error)

#7 - 2021-06-29 12:43 AM - freemor

- File pacman.log added

I've been poking at this trying to reproduce and was finally able. Including the pacman debug log of the event. I caught the "file size to large error and the "?noredirect" thing.

I'll dig into it tomorrow.. to late here now and it's been far too long a day. Posting the log here for others.

#8 - 2021-06-29 12:51 AM - freemor

- File deleted (pacman.log)

#9 - 2021-06-29 01:03 AM - freemor

apologies.. first attempt didn't capture the debug output. Then couldn't reproduce again. deleted the useless file. will keep trying.

#10 - 2021-06-29 01:08 AM - freemor

- File got_it.log added

The revelant bit was still on my CLI screen.. cut/pasted it into a file. pasting that here. not as nice as a complete log. but probably good info

#11 - 2021-06-29 01:43 AM - bill-auger

so is this ticket 'confirmed'?

in case this is related to the new pacman v6, a pacman v5 is still in the repos

https://repo.parabola.nu/pool/parabola/pacman-5.1.1-1.parabola6-x86_64.pkg.tar.xz https://repo.parabola.nu/pool/parabola/pacman-5.1.1-1.parabola6-x86_64.pkg.tar.xz.sig

#12 - 2021-06-29 10:02 AM - freemor

- Status changed from unconfirmed to confirmed

Yep, just forgot to mark it as such. Confirmed but hard to catch.

The timing out part definitely seems to be about trying to -Suyy while winston is rsync'ing from Arch. For some reason that is causing a more noticable lagginess than it used to.

The wrong size. Seems to be some weird edge case. I'll try tonight to see if it happens if one -Suys just prior to the Rsync with arch (because that is when it happened last night). From the debug log it looks like it might be a case of pacman, gpgme, or curl getting confused by the 304 response from the redirector and sticking the ?noredirect parameter between the basename and the .sig extension

it tries to fetch:

https://repo.parabola.nu/core/os/x86 64/gpgme-1.16.0-1-x86 64.pkg.tar.zst?noredirect.sig

Which I suspect should be

https://repo.parabola.nu/core/os/x86_64/qpgme-1.16.0-1-x86_64.pkg.tar.zst.sig?noredirect

or just

https://repo.parabola.nu/core/os/x86 64/gpgme-1.16.0-1-x86 64.pkg.tar.zst.sig

I just tried curling

https://repo.parabola.nu/core/os/x86 64/qpgme-1.16.0-1-x86 64.pkg.tar.zst?noredirect.sig

As one would expect it it fetches the package again instead of the .sig That would definitely explain the size mismatch thing.

So it's down to which part of the process is sticking the ?noredirect in the wrong spot.

#13 - 2021-06-29 10:39 AM - freemor

Ran a few more tests.

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redirector normally responds 302 as expected to redirect to the mirror

it what I caught last night it responded 304 (not changed). I was hoping to catch a 304 response to see if that is where the noredirect comes from as greping through the pacman source there is no reference to "noredirect"

#14 - 2021-06-29 11:14 AM - bill-auger

i got this error on beefcake - it was during a sync with arch ~50mbps - maybe that is the cap - the shell was super laggy during the entire sync - the error was not persistent though - i got the package on the next run

can anyone reproduce this consistently, with a specific package?

we could try to correlate with a running sync job, if people note the times of future errors

#15 - 2021-06-30 03:46 AM - bill-auger

the "noredirect" is probably injected by the redirector nginx config, to ensure that all signatures are downloaded from winston

that URL is not right though - it should be:

https://repo.parabola.nu/core/os/x86 64/qpqme-1.16.0-1-x86 64.pkg.tar.zst.sig?noredirect

#16 - 2021-07-11 08:30 PM - Drag0nFly

Also getting "server is busy" when trying to submit these updates to labs.parabola.nu

#17 - 2021-07-12 09:36 PM - Drag0nFly

Things appear to have normalized now. Main issue was yesterday, Sunday 11th, when the timeouts encompassed a few hours in the middle of the day (CEST).

#18 - 2021-07-13 05:57 AM - bill-auger

the "server busy" message is #2297

thanks for following-up on it; but your last few posts added nothing new, so i deleted them for brevity - i can only think of two things which would be relevant to add now

- can anyone reproduce this consistently, with any specific package?
- if people note the times of future errors, we could try to correlate with a running sync job

your pacman log will indicate the time - that alone may be an interesting bit of information

for example, this command will show each time 'pacman -Sy' has been run

\$ grep synchronizing /var/log/pacman.log

#19 - 2021-07-15 12:29 AM - Drag0nFly

Occurring again with ca-certificates-mozilla. (Although I doubt this is related to a single or specific packages.)

#20 - 2021-07-15 12:31 AM - Drag0nFly

At the same time the "server busy" error is also re-occurring.

As for the pacman synchronizing timestamps-

```
[2021-07-11T00:21:10+0200] [PACMAN] synchronizing package lists [2021-07-11T22:18:43+0200] [PACMAN] synchronizing package lists [2021-07-11T22:19:56+0200] [PACMAN] synchronizing package lists [2021-07-11T22:21:39+0200] [PACMAN] synchronizing package lists [2021-07-12T15:01:15+0200] [PACMAN] synchronizing package lists [2021-07-15T02:27:50+0200] [PACMAN] synchronizing package lists [2021-07-15T02:28:12+0200] [PACMAN] synchronizing package lists
```

#21 - 2021-07-15 12:37 AM - Drag0nFly

And again the downloaded package itself is ok - ca-certificates-mozilla

#22 - 2021-07-15 12:39 AM - Drag0nFly

Same issue for nss

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[2021-07-11T22:19:56+0200] [PACMAN] synchronizing package lists

but which of those corresponds to the timeouts?

i was not asking for every package which timeouts - only if some package ALWAYS does ("consistently" eg: an hour later, AND a day later) - i suspect that it is not a problem with any specific package - the main server is over-worked - we are working on getting a new one to supplement it - that is the most likely cause of any intermittent problems

#24 - 2021-07-17 02:55 PM - Drag0nFly

That would be the last one/two entries from July 15th (incorrect rewrite affecting ca-certificates-mozilla & nss pkgs) –

[2021-07-15T02:27:50+0200] [PACMAN] synchronizing package lists [2021-07-15T02:28:12+0200] [PACMAN] synchronizing package lists

Redmine does not supply the timezone or UTC time, which would make this easier to pinpoint.

For the instance reported earlier on June 24th: (libzen)

[2021-06-24T23:15:28+0200] [PACMAN] synchronizing package lists

If anything special happened on your server-end during that time it could give some clues. But it does sound like this is caused by a bottleneck which would be addressed by some load-sharing and dedicated systems. Nevertheless strange that nginx would put these suffices on the packages due to this.

There are no packages that this has consistently happened with hours or days after it started. I can re-test from one of the systems if this happens again. On the main server the packages affected were simply upgraded manually from /var/cache/pacman/pkg

#25 - 2021-07-17 03:22 PM - bill-auger

that 500 error from redmine is a completely separate issue; and i know how to fix it already - dont worry about that - it is only a harmless nuisance

#26 - 2021-07-17 03:33 PM - bill-auger

the ones on 2021-07-15 were definitely during a sync with arch

#27 - 2021-07-17 03:52 PM - Drag0nFly

What 500 error? I was talking about the timestamps and how best correlate those between different timezones, as Redmine only appears to show the local time.

#28 - 2021-07-17 05:18 PM - bill-auger

the 500 error is the "server is busy" web page youve mentioned twice - its not related or even important

any timestamps on redmine are also not relevant - only the timestamp in the pacman log is

[2021-07-15T02:28:12+0200] [PACMAN] synchronizing package lists

that was july 15 2021 at 02:28 AM, your local time, which is UTC + 2 hours so the UTC time was 00:28 AM, which was during a daily rsync

#29 - 2021-07-17 05:49 PM - Drag0nFly

Again: the reason I mentioned Redmine was solely due to its timestamps not having timezone information on them. This was in order to correlate the issue reported with the Pacman sync log, which are in CEST against the issue tracker - nothing else.

I did not mention anything relating to a 500 error from Redmine, which your comment addressed in response to the information I provided today. It is correct that I mentioned a server busy error many posts back, and I sincerely apologize if this offended you in some way. It was mentioned as these issues appeared to be capacity-related, which they now have been confirmed as being.

#30 - 2021-07-17 06:11 PM - bill-auger

gotcha - i didnt know why you mentioned the times that redmine shows

no worries - i was not offended - you are trying to help parabola - thats all that is important - your help is greatly

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#31 - 2021-07-17 09:24 PM - Drag0nFly

Good to have that sorted; and that at least one occurrence falls within a daily rsync job.

This weekend appears to have been normal so far though; with none of the "operation too slow" or "maximum file size exceeded" errors being reported.

I'll report back in if there are any further issues - or if any other information comes up that would be of use.

#32 - 2021-07-26 12:26 PM - Drag0nFly

Experienced similar slowness today, this time with the upgraded perl package (the only package slated for upgrade)

It upgrades, despite the "failed retrieving file" error.

```
error: failed retrieving file 'perl-5.34.0-2-x86_64.pkg.tar.zst' from redirector.parabola.nu : Operation too s
low. Less than 1 bytes/sec transferred the last 10 seconds
(1/1) checking keys in keyring
               ##] 100%
(1/1) checking package integrity
         ##1 100%
(1/1) loading package files
           ##1 100%
(1/1) checking for file conflicts
               ##1 100%
(1/1) checking available disk space
        ##1 100%
:: Running pre-transaction hooks...
(1/1) etckeeper: pre-transaction commit
[master fb4dba1] saving uncommitted changes in /etc prior to pacman run
2 files changed, 930 insertions (+)
:: Processing package changes...
(1/1) upgrading perl
              ##1 100%
:: Running post-transaction hooks...
(1/2) Warn about old perl modules
(2/2) etckeeper: post-transaction commit
root@dragonfly ~#
root@dragonfly ~# pacman -Q perl
perl 5.34.0-2
```

Last two pacman sync events from pacman.log

```
[2021-07-25T15:50:32+0200] [PACMAN] synchronizing package lists [2021-07-26T14:21:39+0200] [PACMAN] synchronizing package lists
```

#33 - 2021-07-31 12:17 PM - Drag0nFly

Quite some slowness today.

```
error: failed retrieving file 'extra.db' from redirector.parabola.nu : SSL connection timeout
...
error: failed retrieving file 'nonprism.db' from redirector.parabola.nu : Operation too slow. Less than 1 byte s/sec transferred the last 10 seconds
error: failed retrieving file 'nonsystemd.db' from redirector.parabola.nu : Operation too slow. Less than 1 by tes/sec transferred the last 10 seconds
...
error: failed retrieving file 'libcap-ng-0.8.2-3-x86_64.pkg.tar.zst' from redirector.parabola.nu : Operation t oo slow. Less than 1 bytes/sec transferred the last 10 seconds warning: too many errors from redirector.parabola.nu, skipping for the remainder of this transaction warning: failed to retrieve some files error: failed to commit transaction (download library error)
Errors occurred, no packages were upgraded.
```

Latest pacman sync:

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#34 - 2021-08-03 05:21 PM - Drag0nFly

Today there were some 404 errors instead of the usual 'operation too slow' messages. (The packages still upgrade though in the same step, despite of this.)

```
error: failed retrieving file 'mkvtoolnix-gui-60.0.0-1-x86_64.pkg.tar.zst' from redirector.parabola.nu: The r equested URL returned error: 404 error: failed retrieving file 'mkvtoolnix-gui-60.0.0-1-x86_64.pkg.tar.zst' from redirector.parabola.nu: The r equested URL returned error: 404 error: failed retrieving file 'pacman-mirrorlist-20210803-1.parabola1-any.pkg.tar.xz' from redirector.parabola.nu: The requested URL returned error: 404 warning: too many errors from redirector.parabola.nu, skipping for the remainder of this transaction
```

#35 - 2021-09-06 12:38 AM - Drag0nFly

Things have worked flawlessly for quite a while, but the same issue occurred today with —

from repo.parabola.nu : Maximum file size exceeded

```
error: failed retrieving file 'libsamplerate-0.2.2-1-x86_64.pkg.tar.zst?noredirect.sig' from repo.parabola.nu: Maximum file size exceeded

grep synchronizing /var/log/pacman.log|tail -2
[2021-09-06T02:30:39+0200] [PACMAN] synchronizing package lists
[2021-09-06T02:32:36+0200] [PACMAN] synchronizing package lists
```

error: failed retrieving file 'imagemagick-7.1.0.6-1-x86_64.pkg.tar.zst?noredirect.sig'

#36 - 2021-10-22 12:23 AM - Drag0nFly

:: Synchronizing package databases...

Not sure if this bug is still monitored, but lots of slowness witnessed today with several failed upgrades as a result.

```
nonprism.db failed to download
error: failed retrieving file 'nonprism.db' from redirector.parabola.nu : Operation too slow. Less than 1 byte
s/sec transferred the last 10 seconds
error: failed retrieving file 'nonprism.db' from redirector.parabola.nu : Operation too slow. Less than 1 byte
s/sec transferred the last 10 seconds
error: failed retrieving file 'nonprism.db' from redirector.parabola.nu : Operation too slow. Less than 1 byte
s/sec transferred the last 10 seconds
warning: too many errors from redirector.parabola.nu, skipping for the remainder of this transaction
error: failed to synchronize all databases (download library error)
:: Proceed with installation? [Y/n]
:: Retrieving packages...
tzdata-2021d-1-x86_64
    ######## 1 100%
aom-3.2.0-1-x86 64
     ######## 100%
file-5.41-1-x86_64
   ######## 1 100%
libffi-3.4.2-4-x86_64.pkg.tar.zst failed to download
Total (4/26)
    ######## 1 100%
error: failed retrieving file 'aom-3.2.0-1-x86_64.pkg.tar.zst' from redirector.parabola.nu : Operation too slo
w. Less than 1 bytes/sec transferred the last 10 seconds
error: failed retrieving file 'libffi-3.4.2-4-x86_64.pkg.tar.zst' from redirector.parabola.nu : Operation too
slow. Less than 1 bytes/sec transferred the last 10 seconds
error: failed retrieving file 'libffi-3.4.2-4-x86_64.pkg.tar.zst' from redirector.parabola.nu : Operation too
slow. Less than 1 bytes/sec transferred the last 10 seconds
warning: too many errors from redirector.parabola.nu, skipping for the remainder of this transaction
warning: failed to retrieve some files
error: failed to commit transaction (download library error)
Errors occurred, no packages were upgraded.
```

System #1:

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```
grep synchronizing /var/log/pacman.log|tail -n 2 [2021-10-20T19:05:26+0200] [PACMAN] synchronizing package lists [2021-10-22T02:12:52+0200] [PACMAN] synchronizing package lists
```

System #2:

```
grep synchronizing /var/log/pacman.log|tail -n 2 [2021-10-22T02:16:09+0200] [PACMAN] synchronizing package lists [2021-10-22T02:17:00+0200] [PACMAN] synchronizing package lists
```

#37 - 2021-10-22 12:25 AM - Drag0nFly

Also timeouts towards repomirror-

```
:: Synchronizing package databases...
nonprism.db failed to download
error: failed retrieving file 'nonprism.db' from redirector.parabola.nu : Failed to connect to repomirror.para
bola.nu port 443 after 5201 ms: Connection timed out
error: failed retrieving file 'nonprism.db' from redirector.parabola.nu : SSL connection timeout
error: failed retrieving file 'nonprism.db' from redirector.parabola.nu : Operation too slow. Less than 1 byte
s/sec transferred the last 10 seconds
warning: too many errors from redirector.parabola.nu, skipping for the remainder of this transaction
error: failed to synchronize all databases (download library error)
```

#38 - 2022-05-07 02:07 PM - bill-auger

- Status changed from confirmed to not-a-bug

ive not seen these issues in a long time - i really think this would never happen once the weight of the web servers is lifter from the repo server

#39 - 2022-05-11 10:12 PM - Drag0nFly

I've witnessed similar behaviour today unfortunately (both the "operation too slow" and 404 errors)-

```
error: failed retrieving file 'iana-etc-20220325-1-any.pkg.tar.zst' from redirector.parabola.nu : The requeste
d URL returned error: 404
error: failed retrieving file 'iana-etc-20220325-1-any.pkg.tar.zst' from redirector.parabola.nu : The requeste
d URL returned error: 404
error: failed retrieving file 'iana-etc-20220325-1-any.pkg.tar.zst' from redirector.parabola.nu : The requeste
d URL returned error: 404
warning: too many errors from redirector.parabola.nu, skipping for the remainder of this transaction
warning: failed to retrieve some files
error: failed to commit transaction (failed to retrieve some files)
Errors occurred, no packages were upgraded.
error: failed retrieving file 'binutils-2.38-5-x86_64.pkg.tar.zst' from redirector.parabola.nu : Operation too
slow. Less than 1 bytes/sec transferred the last 10 seconds
error: failed retrieving file 'binutils-2.38-5-x86_64.pkg.tar.zst' from redirector.parabola.nu : Operation too
slow. Less than 1 bytes/sec transferred the last 10 seconds
error: failed retrieving file 'lib32-glibc-2.35-4-x86_64.pkg.tar.zst' from redirector.parabola.nu : SSL connec
tion timeout
warning: too many errors from redirector.parabola.nu, skipping for the remainder of this transaction
warning: failed to retrieve some files
error: failed to commit transaction (download library error)
Errors occurred, no packages were upgraded.
```

Also some issues downloading the repos, seen on a few systems-

```
error: failed retrieving file 'core.db' from redirector.parabola.nu : SSL connection timeout error: failed retrieving file 'community.db' from redirector.parabola.nu : Failed to connect to mirror.csclub.uwaterloo.ca port 443 after 5201 ms: Connection timed out
```

#40 - 2022-12-23 03:39 PM - bill-auger

- Related to Bug #3343: SSL connection timeouts towards redirector.parabola.nu added

Files

got_it.log	2.83 KB	2021-06-29	freemor

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