

## Packages - Bug #1136

### [pacman] pacman.conf: curl XferCommand broken (mirror redirect)

2016-11-03 12:24 PM - GNUtoo

<b>Status:</b>	fixed	<b>% Done:</b>	100%
<b>Priority:</b>	feature		
<b>Assignee:</b>	oaken-source		
<b>Category:</b>			

#### Description

Hi, in pacman.conf we have:

```
#XferCommand = /usr/bin/curl -C - -f %u > %o
```

If we uncomment it, curl will download the mirror redirect page:

```
$ /usr/bin/curl -C - -f https://redirector.parabola.nu/libre/os/i686/vim-runtime-8.0.0055-1.parabolal1-i686.pkg.tar.xz > file.tar.xz
```

```
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
           Dload  Upload   Total     Spent    Left     Speed
100  161  100  161    0    0   228      0  --:--:--  --:--:--  --:--:--   228
```

```
$ cat file.tar.xz
```

```
<html>
<head><title>302 Found</title></head>
<body bgcolor="white">
<center><h1>302 Found</h1></center>
<hr><center>nginx/1.10.1</center>
</body>
</html>
```

```
$ man curl
```

has the following:

```
-L, --location
      (HTTP/HTTPS) If the server reports that the requested page has moved to a different
location (indicated with
      a Location: header and a 3XX response code), this option will make curl redo the r
equest on the new place.
```

```
If used together with -i, --include or -I, --head, headers from all requested pages
will be shown. When
authentication is used, curl only sends its credentials to the initial host. If a
redirect takes curl to a
different host, it won't be able to intercept the user+password. See also --locat
ion-trusted on how to
change this. You can limit the amount of redirects to follow by using the --max-redi
rs option.
```

```
When curl follows a redirect and the request is not a plain GET (for example POST
or PUT), it will do the
following request with a GET if the HTTP response was 301, 302, or 303. If the respo
nse code was any other
3xx code, curl will re-send the following request using the same unmodified method.
```

```
You can tell curl to not change the non-GET request method to GET after a 30x res
ponse by using the dedi-
cated options for that: --post301, --post302 and --post303.
```

Using -L result in the correct file being downloaded:

```

$ /usr/bin/curl -L -C - -f https://redirector.parabola.nu/libre/os/i686/vim-runtime-8.0.0055-1.parabolal-i686.pkg.tar.xz > file.tar.xz
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left   Speed
100  161    100    161     0     0    424      0  --:--:--  --:--:--  --:--:--    424
 0     0     0     0     0     0     0      0  --:--:--  0:00:05  --:--:--     0
100 5269k  100 5269k     0     0   661k      0  0:00:07  0:00:07  --:--:--  3465k
$ file file.tar.xz
file.tar.xz: XZ compressed data
$ tar tf file.tar.xz | head -n 10
.PKGINFO
.BUILDINFO
.MTREE
etc/
etc/vimrc
usr/
usr/share/
usr/share/libalpm/
usr/share/licenses/
usr/share/vim/

So we should change pacman.conf to use something like that instead:

#XferCommand = /usr/bin/curl -L -C - -f %u > %o

```

## History

### #1 - 2016-12-29 06:20 AM - isacdaavid

- Priority changed from bug to feature

While we are at it, I suggest:

```
#XferCommand = /usr/bin/curl -L -C - -f -o %o %u
```

Output redirection kills partial downloads.

### #2 - 2018-01-25 04:42 PM - oaken-source

- % Done changed from 0 to 100

- Assignee set to oaken-source

- Status changed from open to fixed

silence is consent. I applied the proposed changes.

-A