

## Replicant - Issue #1071

Issue # 1065 (Closed): Make sure \*we\* provide all the corresponding source code.

### Host all the upstream project code that we use.

11/08/2014 03:40 PM - Denis 'GNUtoo' Carikli

<b>Status:</b>	Resolved	<b>Start date:</b>	11/08/2014
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Wolfgang Wiedmeyer	<b>% Done:</b>	0%
<b>Category:</b>	Legal	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	Replicant 6.0 0004	<b>Spent time:</b>	6.00 hours
<b>Resolution:</b>		<b>Grant:</b>	
<b>Device:</b>		<b>Type of work:</b>	
<b>Description</b>			
we want to be able to build the source code even if the upstream project's git disappear.			

### History

#### #1 - 01/17/2015 03:19 PM - Paul Kocalkowski

- Target version changed from 21 to Any version

#### #2 - 12/11/2015 03:18 PM - Denis 'GNUtoo' Carikli

- Device Not device specific added

#### #3 - 02/20/2017 05:55 PM - Wolfgang Wiedmeyer

- Device added

- Device deleted (Not device specific)

I added a LineageOS mirror with all the repos that are needed for Replicant 6.0: <https://git.replicant.us/LineageOS-mirror>

The mirror is configured with the manifest branch LineageOS-mirror: <https://git.replicant.us/replicant/manifest/log/?h=LineageOS-mirror>

And the mirror is in use since [this commit](#)

Git bundles are also deployed now so the server load shouldn't be too high.

Maintenance-wise, it makes sense to use a mirror for LineageOS because they don't tag versions. Mirroring allows to add tags and freeze the code at a certain version. The AOSP code is already tagged, so there is not necessarily a need to create a mirror to ease maintenance, but it would be quite easy to add another subproject like "AOSP-mirror" and host all the AOSP code at git.replicant.us.

#### #4 - 05/02/2017 12:54 PM - Wolfgang Wiedmeyer

- Assignee changed from Paul Kocalkowski to Wolfgang Wiedmeyer

Added documentation for the LineageOS mirror: [LineageMirror](#)

#### #5 - 03/08/2019 02:17 PM - Denis 'GNUtoo' Carikli

- Target version changed from Any version to Replicant 6.0 0004

#### #6 - 03/21/2019 09:22 PM - Denis 'GNUtoo' Carikli

I've sent the patch for that to the mailing list (I've tested it).

#### #7 - 03/21/2019 09:25 PM - Denis 'GNUtoo' Carikli

With that patch, only one repository remains which is f-droid.

As it will temporarily removed once the patch has been merged we can close this bug when it'll be removed.

#### #8 - 03/21/2019 09:39 PM - Denis 'GNUtoo' Carikli

Here's the script that has been used for most of the AOSP repos:

```
#!/bin/sh
```

```

# Copyright 2019 Denis 'GNUtoo' Carikli
# In the cases where this work is copyrightable, it falls under the GPLv2
# or later license that is available here:
# https://www.gnu.org/licenses/gpl-2.0.txt

set -e
for path in $(grep 'remote="aosp"' manifest.xml | awk '{print $2}' | sed 's#path=###' | sed 's#"###') ; do
    name=$(grep "path=\"${path}\"" manifest.xml | awk '{print $3}' | sed 's#name=###' | sed 's#"###' | sed 's#
/#_#g')
    git -C ${path} \
        fetch --unshallow aosp || true

    git -C ${path} \
        push \
        -f \
        ssh://git@replicant-git/AOSP-mirror/${name} \
        HEAD:refs/tags/android-6.0.1_r81 \

    sed "/.* path=\"$(echo $path | sed 's#/#\\/#g')\" .*\/d" -i manifest.xml
done

```

is it to be used in the top directory and the manifest.xml file has to be copied there.

#### #9 - 04/03/2019 04:09 PM - Denis 'GNUtoo' Carikli

- Status changed from New to Resolved

All the relevant patches have been pushed in the manifest git on replicant-6.0-dev branch so this issue is resolved.

#### #10 - 04/05/2019 11:01 PM - Denis 'GNUtoo' Carikli

I forgot to add the python source code that generates the manifest.xml that is then parsed by shell script.

manifest.xml -> python script -> new manifest.xml that only contains AOSP mirror entries -> shell script

```

#!/usr/bin/env python
# Copyright 2019 Denis 'GNUtoo' Carikli <GNUtoo@no-log.org>
# In the cases where this work is copyrightable, it falls under the GPLv3
# or later license that is available here:
# https://www.gnu.org/licenses/gpl-3.0.txt

import re

file = open ('default.xml', mode='r')
for line in file:
    if re.search('remote="aosp"', line):
        match = re.search('name="(.)"', line)
        if match:
            old_name = re.sub('".*', '', re.sub('^name="', '', match.group(0)))
            new_name = old_name.replace('/', '_')
            line = line.replace('name="{0}"'.format(old_name), 'name="AOSP-mirror/{0}"'.format(new_name))
            #print(line.replace('\n', ''))
line = line.replace('\n', '')
print (line,)

```