

ppa

April 26, 2023

1 Which files to upload

Dput uploads the following files: - .dsc - .changes - .diff.gz or .debian.tar.gz - and optionally the .orig.tar.gz (if you used debuild -S -sa to build your package)

2 Set up dput configuration

We should also ensure that the email address and GPG key we use with dput are the same as those associated with our Launchpad account.

```
[8]: cat > ~/dput.cf <<"EOF"  
[clymber-ppa]  
fqdn = ppa.launchpad.net  
method = ftp  
incoming = ~clymber/ubuntu/ppa_name/  
login = anonymous  
allow_unsigned_uploads = 0  
EOF
```

3 Versioning

Ubuntu package names are suffixed by the version number of the package.

Key points: - your package supersedes the official Ubuntu version - future Ubuntu versions will supersede your package.

To do this, add the suffix ppa (where n is your package's revision number). Two examples: - Ubuntu package myapp_1.0-1 → PPA package myapp_1.0-1ppa1 - Ubuntu package myapp_1.0-1ubuntu3 → PPA package myapp_1.0-1ubuntu3ppa1

So, I need to adjust the version number in the changelog. Changes has been made and are show below:

```
[3]: git log -1 --stat  
  
commit b4bad086b00fd13b8b1d9ac3bb1265c6a4069074 (HEAD ->  
main)  
Author: KylinDragon <dragonkylin@qq.com>  
Date: Tue Apr 25 23:58:23 2023 +0800
```

[main] adjust the version number for ppa platform

```
cmatrix-2.0/debian/changelog | 6 ++++++
1 file changed, 6 insertions(+)
```

[5]: `git diff HEAD~ HEAD`

```
diff --git a/cmatrix-2.0/debian/changelog b/cmatrix-2.0/debian/changelog
index e9640b4..221b19f 100644
--- a/cmatrix-2.0/debian/changelog
+++ b/cmatrix-2.0/debian/changelog
@@ -1,3 +1,9 @@
+cmatrix (2.0-3ubuntu4ppa1~ubuntu22.04.1) jammy; urgency=medium
+
+ * adjust the version number to ppa platform
+
+ -- Clymber Loong <clymberloong@icloud.com> Tue, 25 Apr 2023
+
23:53:29 +0800
+
cmatrix (2.0-3ubuntu3) jammy; urgency=medium

 * testing.sh: echo a test message to stderr.
```

[7]: `ls *ppa1~ubuntu22.04.1* # after rebuilding the packages`

```
cmatrix_2.0-3ubuntu4ppa1~ubuntu22.04.1.debian.tar.xz
cmatrix_2.0-3ubuntu4ppa1~ubuntu22.04.1.dsc
cmatrix_2.0-3ubuntu4ppa1~ubuntu22.04.1_source.build
cmatrix_2.0-3ubuntu4ppa1~ubuntu22.04.1_source.buildinfo
cmatrix_2.0-3ubuntu4ppa1~ubuntu22.04.1_source.changes
```

4 Do dput

[9]: `DSC="cmatrix_2.0-3ubuntu4ppa1~ubuntu22.04.1.dsc"`
`CHANGES="cmatrix_2.0-3ubuntu4ppa1~ubuntu22.04.1_source.changes"`
`DEBIAN="cmatrix_2.0-3ubuntu4ppa1~ubuntu22.04.1.debian.tar.xz"`

```
dput "ppa:clymber/cmatrix" "$DSC"
dput "ppa:clymber/cmatrix" "$CHANGES"
dput "ppa:clymber/cmatrix" "$DEBIAN"
```

```
D: Splitting host argument out of ppa:clymber/cmatrix.
D: Setting host argument.
Not a .changes file.
Please select a .changes file to upload.
Tried to upload: cmatrix_2.0-3ubuntu4ppa1~ubuntu22.04.1.dsc
```

```

D: Splitting host argument out of  ppa:clymber/cmatrix.
D: Setting host argument.
Checking signature on .changes
gpg: /home/clymber/GitHub/take-home-
work/cmatrix_2.0-3ubuntu4ppa1~ubuntu22.04.1_source.changes: Valid signature from
9E0EB9D9B1BB3628
Checking signature on .dsc
gpg: /home/clymber/GitHub/take-home-
work/cmatrix_2.0-3ubuntu4ppa1~ubuntu22.04.1.dsc: Valid signature from
9E0EB9D9B1BB3628
Uploading to ppa (via ftp to ppa.launchpad.net):
  Uploading cmatrix_2.0-3ubuntu4ppa1~ubuntu22.04.1.dsc: 1k/21k/2    done.
  Uploading cmatrix_2.0-3ubuntu4ppa1~ubuntu22.04.1.debian.tar.xz:
2k/63k/64k/65k/65k/65k/6    done.
  Uploading cmatrix_2.0-3ubuntu4ppa1~ubuntu22.04.1_source.buildinfo:
2k/83k/84k/85k/86k/87k/87k/8    done.
  Uploading cmatrix_2.0-3ubuntu4ppa1~ubuntu22.04.1_source.changes: 2k/32k/32k/3
done.
Successfully uploaded packages.
D: Splitting host argument out of  ppa:clymber/cmatrix.
D: Setting host argument.
Not a .changes file.
Please select a .changes file to upload.
Tried to upload: cmatrix_2.0-3ubuntu4ppa1~ubuntu22.04.1.debian.tar.xz

```

5 Install the package built on the ppa

```
[ ]: sudo add-apt-repository -y "ppa:clymber/cmatrix"
```

```
[29]: sudo apt-get update
```

```

Hit:1 https://download.docker.com/linux/ubuntu jammy InRelease
Hit:2 https://ppa.launchpadcontent.net/clymber/cmatrix/ubuntu jammy InRelease
      Reading package
lists... 0%Reading package lists... 0%Reading package lists... 0%Reading package
lists... 0%Reading package lists... 0%Reading package lists... 0%Reading package
lists... 0%Reading package lists... 0%Reading package lists... 3%Reading package
lists... 3%Reading package lists... 3%Reading package lists... Done

```

```
[30]: apt search cmatrix
```

```

Sorting... 0%Sorting... 0%Sorting... 5%Sorting... Done
Full Text Search... 50%Full Text Search... 50%Full Text Search... Done
cmatrix/jammy 2.0-3ubuntu4ppa1~ubuntu22.04.1 amd64
  simulates the display from "The Matrix"

```

```
cmatrix-xfont/jammy,jammy 2.0-3ubuntu4ppa1~ubuntu22.04.1 all [residual-  
config]  
X11 font for cmatrix
```

```
[31]: sudo apt-get install cmatrix
```

```
Reading package lists... 0%Reading package lists... 100%Reading package lists...  
Done  
Building dependency tree... 0%Building dependency tree... 0%Building dependency  
tree... 50%Building dependency tree... 50%Building dependency tree... Done  
Reading state information... 0% Reading state information... 0%Reading state  
information... Done  
The following package was automatically installed and is no longer required:  
  docker-scan-plugin  
Use 'sudo apt autoremove' to remove it.  
Suggested packages:  
  cmatrix-xfont  
The following NEW packages will be installed:  
  cmatrix  
0 upgraded, 1 newly installed, 0 to remove and 0 not upgraded.  
Need to get 0 B/18.4 kB of archives.  
After this operation, 55.3 kB of additional disk space will be used.  
Selecting previously unselected package cmatrix.  
(Reading database ... 226799 files and directories currently installed.)  
Preparing to unpack .../cmatrix_2.0-3ubuntu4ppa1~ubuntu22.04.1_amd64.deb ...  
Unpacking cmatrix (2.0-3ubuntu4ppa1~ubuntu22.04.1) ...  
Setting up cmatrix (2.0-3ubuntu4ppa1~ubuntu22.04.1) ...  
this is a test from Clymber Loong  
Processing triggers for mailcap (3.70+nmu1ubuntu1) ...  
Processing triggers for desktop-file-utils (0.26-1ubuntu3) ...  
Processing triggers for gnome-menus (3.36.0-1ubuntu3) ...  
Processing triggers for man-db (2.10.2-1) ...
```

```
[32]: dpkg -S testing.sh; testing.sh
```

```
cmatrix: /usr/bin/testing.sh  
this is a test from Clymber Loong
```