

NAME

sponsor-patch – Prepare, test-build, and sponsor an upload.

SYNOPSIS

sponsor-patch [*options*] *bug*
sponsor-patch -h

DESCRIPTION

sponsor-patch downloads the patch or Bazaar branch linked to an Ubuntu bug, applies it, generates a review diff, (optionally) test builds it, runs **lintian**(1) and, after review and confirmation, can upload it.

sponsor-patch can be used for sponsoring patches, syncs and merges from Debian, SRUs, and creating debdiffs from patches. If *bug* has multiple patches or branches linked, it will prompt the user to select one. The same applies to bug tasks. If the attached patch is not a debdiff, **edit-patch**(1) is used to apply it.

Some obvious checks are performed, in particular:

1. **update-maintainer**(1) is run on the source package to ensure that the **Maintainer** field meets the Ubuntu policy.
2. The version number must be greater than the current version in the archive. The **changes** file is also correctly generated to list all changes since the current version in the archive.
3. The changelog must automatically close the sponsorship bug.
4. The changelog target must be valid.
5. The changelog timestamp is touched.

Should any checks (or the build) fail, the user has an option to edit the patched source and try building it again.

Unless a working directory is specified, the sources and patches will be downloaded into a temporary directory in **/tmp**, which is removed once the script finishes running. The output of the build tool will be placed in *workdir/buildresult/*.

One of **--upload**, **--workdir**, or **--sponsor** must be specified.

OPTIONS**-b, --build**

Build the package with the specified builder. Note for **pbuilder**(8) and **cowbuilder**(8) users: This assumes the common configuration, where the **ARCH** and **DIST** environment is read by **pbuilderrc**(5) to select the correct base image.

-B BUILDER, --builder=BUILDER

Use the specify builder to build the package. Supported are **cowbuilder**(8), **cowbuilder-dist**(1), **pbuilder**(8), **pbuilder-dist**(1), and **sbuild**(1). The default is **pbuilder**(8).

-e, --edit

Launch a sub-shell to allow editing of the patched source before building.

-h, --help

Display a help message and exit.

-k KEY, --key=KEY

Specify a key ID for signing the upload.

-l *INSTANCE*, **--linstance=***INSTANCE*

Use the specified instance of Launchpad (e.g. "staging"), instead of the default of "production".

--no-conf

Do not read any configuration files, or configuration from environment variables.

-s, **--sponsor**

Shortcut for sponsored uploads. Equivalent to **-b -u ubuntu**.

-u *DEST*, **--upload=***DEST*

Upload to *DEST* with **dput**(1) (after confirmation).

-U, **--update**

Update the build environment before attempting to build.

-v, **--verbose**

Print more information.

-w *DIR*, **--workdir=***DIR*

Use the specified working directory, creating it if necessary. If *WORKDIR* is not specified, a temporary directory is created, which is deleted before *sponsor-patch* exits.

ENVIRONMENT

All of the **CONFIGURATION VARIABLES** below are also supported as environment variables. Variables in the environment take precedence to those in configuration files.

CONFIGURATION VARIABLES

The following variables can be set in the environment or in **ubuntu-dev-tools**(5) configuration files. In each case, the script-specific variable takes precedence over the package-wide variable.

SPONSOR_PATCH_BUILDER, **UBUNTUTOOLS_BUILDER**

The default value for **--builder**.

SPONSOR_PATCH_LPINSTANCE, **UBUNTUTOOLS_LPINSTANCE**

The default value for **--linstance**.

SPONSOR_PATCH_UPDATE_BUILDER, **UBUNTUTOOLS_UPDATE_BUILDER**

The default value for **--update**.

SPONSOR_PATCH_WORKDIR, **UBUNTUTOOLS_WORKDIR**

The default value for **--workdir**.

SPONSOR_PATCH_KEYID, **UBUNTUTOOLS_KEYID**

The default value for **--key**.

EXAMPLES

Test-building and sponsoring an upload of bug **1234**:

```
sponsor-patch -s 1234
```

Performing a test build of bug **1234** in your PPA:

```
sponsor-patch -u ppa:user/ppa 1234
```

SEE ALSO

bzr(1), **debchange**(1), **debdiff**(1), **dput**(1), **edit-patch**(1), **lintian**(1), **cowbuilder**(8), **cowbuilder-dist**(1), **pbuilder**(8), **pbuilder-dist**(1), **sbuild**(1), **ubuntu-dev-tools**(5), **update-maintainer**(1)

AUTHORS

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Both are released under the terms of the ISC License.