

## NAME

dpkg-mergechangelogs - 3-way merge of debian/changelog files

## SYNOPSIS

**dpkg-mergechangelogs** [*option...*] *old new-a new-b* [*out*]

## DESCRIPTION

This program will use the 3 provided versions of the Debian changelog to generate a merged changelog file. The resulting changelog is stored in the file *out* or output to the standard output if that parameter is not given.

Each entry is identified by its version number and they are assumed to be not conflicting, they are simply merged in the right order (by decreasing version number). When **--merge-prereleases** is used, the part of the version number after the last tilde is dropped so that 1.0-1~exp1 and 1.0-1~exp5 are considered to be the same entry. When the same version is available in both *new-a* and *new-b*, a standard line-based 3-way merge is attempted (provided that the module `Algorithm::Merge` is available — it's part of the package `libalgorithm-merge-perl` — otherwise you get a global conflict on the content of the entry).

## OPTIONS

### **--merge-prereleases, -m**

Drop the part after the last tilde in the version number when doing version comparison to identify if two entries are supposed to be the same or not.

This is useful when you keep using the same changelog entry but you increase its version number regularly. For instance, you might have 2.3-1~exp1, 2.3-1~exp2, ... until the official release 2.3-1 and they are all the same changelog entry that has evolved over time.

**--help** Show the usage message and exit.

### **--version**

Show the version and exit.

## LIMITATIONS

Anything that is not parsed by `Dpkg::Changelog` is lost during the merge. This might include stuff like vim modelines, comments which were not supposed to be there, etc.

## INTEGRATION WITH GIT

If you want to use this program to merge Debian changelog files in a git repository, you have first to register a new merge driver in `.git/config` or `~/.gitconfig`:

```
[merge dpkg-mergechangelogs] name = debian/changelog merge driver driver = dpkg-mergechangelogs -m %O %A %B %A
```

Then you have to setup the merge attribute for the debian/changelog file either in `.gitattributes` in the repository itself, or in `.git/info/attributes`:

```
debian/changelog merge=dpkg-mergechangelogs
```