

NAME

git-mergetool - Run merge conflict resolution tools to resolve merge conflicts

SYNOPSIS

```
git mergetool [--tool=<tool>] [-y | --[no-]prompt] [<file>...]
```

DESCRIPTION

Use git mergetool to run one of several merge utilities to resolve merge conflicts. It is typically run after *git merge*.

If one or more <file> parameters are given, the merge tool program will be run to resolve differences on each file (skipping those without conflicts). Specifying a directory will include all unresolved files in that path. If no <file> names are specified, *git mergetool* will run the merge tool program on every file with merge conflicts.

OPTIONS

-t <tool>, --tool=<tool>

Use the merge resolution program specified by <tool>. Valid values include emerge, gvimdiff, kdiff3, meld, vimdiff, and tortoisemerge. Run git mergetool --tool-help for the list of valid <tool> settings.

If a merge resolution program is not specified, *git mergetool* will use the configuration variable merge.tool. If the configuration variable merge.tool is not set, *git mergetool* will pick a suitable default.

You can explicitly provide a full path to the tool by setting the configuration variable mergetool.<tool>.path. For example, you can configure the absolute path to kdiff3 by setting mergetool.kdiff3.path. Otherwise, *git mergetool* assumes the tool is available in PATH.

Instead of running one of the known merge tool programs, *git mergetool* can be customized to run an alternative program by specifying the command line to invoke in a configuration variable mergetool.<tool>.cmd.

When *git mergetool* is invoked with this tool (either through the -t or --tool option or the merge.tool configuration variable) the configured command line will be invoked with \$BASE set to the name of a temporary file containing the common base for the merge, if available; \$LOCAL set to the name of a temporary file containing the contents of the file on the current branch; \$REMOTE set to the name of a temporary file containing the contents of the file to be merged, and \$MERGED set to the name of the file to which the merge tool should write the result of the merge resolution.

If the custom merge tool correctly indicates the success of a merge resolution with its exit code, then the configuration variable mergetool.<tool>.trustExitCode can be set to true. Otherwise, *git mergetool* will prompt the user to indicate the success of the resolution after the custom tool has exited.

--tool-help

Print a list of merge tools that may be used with --tool.

-y, --no-prompt

Don't prompt before each invocation of the merge resolution program. This is the default if the merge resolution program is explicitly specified with the --tool option or with the merge.tool configuration variable.

--prompt

Prompt before each invocation of the merge resolution program to give the user a chance to skip the path.

TEMPORARY FILES

git mergetool creates *.orig backup files while resolving merges. These are safe to remove once a file has been merged and its git mergetool session has completed.

Setting the `mergetool.keepBackup` configuration variable to `false` causes `git mergetool` to automatically remove the backup as files are successfully merged.

GIT

Part of the [git\(1\)](#) suite