

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.

`-g`, `--gui`

When *git-mergetool* is invoked with the `-g` or `--gui` option the default merge tool will be read from

the configured **merge.guitool** variable instead of **merge.tool**.

--no-gui

This overrides a previous **-g** or **--gui** setting and reads the default merge tool will be read from the configured **merge.tool** variable.

-O<orderfile>

Process files in the order specified in the **<orderfile>**, which has one shell glob pattern per line. This overrides the **diff.orderFile** configuration variable (see **git-config(1)**). To cancel **diff.orderFile**, use **-O/dev/null**.

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