

## 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**. If **merge.guitool** is not set, we will fallback to the tool configured under **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