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Rocky Enterprise Linux 9.2 Manual Pages on command 'git-difftool.1'

\$ man git-difftool.1

GIT-DIFFTOOL(1) Git Manual GIT-DIFFTOOL(1)

NAME

git-difftool - Show changes using common diff tools

SYNOPSIS

git difftool [<options>] [<commit> [<commit>]] [--] [<path>...]

DESCRIPTION

git difftool is a Git command that allows you to compare and edit files between revisions using common diff tools. git difftool is a frontend to git diff and accepts the same options and arguments. See git-diff(1).

OPTIONS

-d, --dir-diff

Copy the modified files to a temporary location and perform a directory diff on them.

This mode never prompts before launching the diff tool.

-y, --no-prompt

Do not prompt before launching a diff tool.

--prompt

Prompt before each invocation of the diff tool. This is the default behaviour; the option is provided to override any configuration settings.

--rotate-to=<file>

Start showing the diff for the given path, the paths before it will move to end and output.

--skip-to=<file>

Start showing the diff for the given path, skipping all the paths before it.

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

Use the diff tool specified by `<tool>`. Valid values include `emerge`, `kompare`, `meld`, and `vimdiff`. Run `git difftool --tool-help` for the list of valid `<tool>` settings.

If a diff tool is not specified, `git difftool` will use the configuration variable `diff.tool`. If the configuration variable `diff.tool` is not set, `git difftool` will pick a suitable default.

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

Instead of running one of the known diff tools, `git difftool` can be customized to run an alternative program by specifying the command line to invoke in a configuration variable `difftool.<tool>.cmd`.

When `git difftool` is invoked with this tool (either through the `-t` or `--tool` option or the `diff.tool` configuration variable) the configured command line will be invoked with the following variables available: `$LOCAL` is set to the name of the temporary file containing the contents of the diff pre-image and `$REMOTE` is set to the name of the temporary file containing the contents of the diff post-image. `$MERGED` is the name of the file which is being compared. `$BASE` is provided for compatibility with custom merge tool commands and has the same value as `$MERGED`.

`--tool-help`

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

`--[no-]symlinks`

`git difftool`'s default behavior is create symlinks to the working tree when run in `--dir-diff` mode and the right-hand side of the comparison yields the same content as the file in the working tree.

Specifying `--no-symlinks` instructs `git difftool` to create copies instead.

`--no-symlinks` is the default on Windows.

`-x <command>, --extcmd=<command>`

Specify a custom command for viewing diffs. `git-difftool` ignores the configured defaults and runs `$command $LOCAL $REMOTE` when this option is specified. Additionally, `$BASE` is set in the environment.

`-g, --[no-]gui`

When git-difftool is invoked with the -g or --gui option the default diff tool will be read from the configured diff.guitool variable instead of diff.tool. The --no-gui option can be used to override this setting. If diff.guitool is not set, we will fallback in the order of merge.guitool, diff.tool, merge.tool until a tool is found.

--[no-]trust-exit-code

git-difftool invokes a diff tool individually on each file. Errors reported by the diff tool are ignored by default. Use --trust-exit-code to make git-difftool exit when an invoked diff tool returns a non-zero exit code.

git-difftool will forward the exit code of the invoked tool when --trust-exit-code is used.

See git-diff(1) for the full list of supported options.

CONFIG VARIABLES

git difftool falls back to git mergetool config variables when the difftool equivalents have not been defined.

diff.tool

The default diff tool to use.

diff.guitool

The default diff tool to use when --gui is specified.

difftool.<tool>.path

Override the path for the given tool. This is useful in case your tool is not in the PATH.

difftool.<tool>.cmd

Specify the command to invoke the specified diff tool.

See the --tool=<tool> option above for more details.

difftool.prompt

Prompt before each invocation of the diff tool.

difftool.trustExitCode

Exit difftool if the invoked diff tool returns a non-zero exit status.

See the --trust-exit-code option above for more details.

SEE ALSO

git-diff(1)

Show changes between commits, commit and working tree, etc

git-mergetool(1)

Run merge conflict resolution tools to resolve merge conflicts

git-config(1)

Get and set repository or global options

GIT

Part of the git(1) suite

Git 2.34.1

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