



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

C:\>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.

-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 `kdifff3` by setting `difftool.kdifff3.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-diff` 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-diff` exit when an invoked diff tool returns a non-zero exit code. `git-diff` 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 diff` falls back to `git mergetool` config variables when the `diff` tool 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 `diff` 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 2.25.1

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