2.37.2

Git 2.37.2 Release Notes ==========

This primarily is to backport various fixes accumulated on the ’master’ front since 2.37.1.

Fixes since v2.37.1 ----------

- "git shortlog -n" relied on the underlying qsort() to be stable, which shouldn’t have. Fixed.
- Variable quoting fix in the vimdiff driver of "git mergetool".
- An earlier attempt to plug leaks placed a clean-up label to jump to at a bogus place, which as been corrected.
- Fixes a long-standing corner case bug around directory renames in the merge-ort strategy.
- Recent update to vimdiff layout code has been made more robust against different end-user vim settings.
- In a non-bare repository, the behavior of Git when the core.worktree configuration variable points at a directory that has a repository as its subdirectory, regressed in Git 2.27 days.
- References to commands-to-be-typed-literally in "git rebase" documentation mark-up have been corrected.
- Give _() markings to fatal/warning/usage: labels that are shown in front of these messages.
- "git mktree --missing" lazily fetched objects that are missing from the local object store, which was totally unnecessary for the purpose of creating the tree object(s) from its input.
- Fixes for tests when the source directory has unusual characters in its path, e.g. whitespaces, double-quotes, etc.
- Adjust technical/bitmap-format to be formatted by AsciiDoc, and add some missing information to the documentation.
- Certain diff options are currently ignored when combined-diff is shown; mark them as incompatible with the feature.

- "git clone" from a repository with some ref whose HEAD is unborn did not set the HEAD in the resulting repository correctly, which has been corrected.
- mkstemp() emulation on Windows has been improved.
- Add missing documentation for "include" and "includeIf" features in "git config" file format, which incidentally teaches the command line completion to include them in its offerings.
- Avoid "white/black-list" in documentation and code comments.
- Workaround for a compiler warning against use of die() in osx-keychain (in contrib/).
- Workaround for a false positive compiler warning.
- The resolve-undo information in the index was not protected against GC, which has been corrected.
- A corner case bug where lazily fetching objects from a promisor remote resulted in infinite recursion has been corrected.
- "git p4" working on UTF-16 files on Windows did not implement CRLF-to-LF conversion correctly, which has been corrected.
- "git p4" did not handle non-ASCII client name well, which has been corrected.
- "rerere-train" script (in contrib/) used to honor commit.gpgSign while recreating the throw-away merges.
- "git checkout" miscounted the paths it updated, which has been corrected.
- Fix for a bug that makes write-tree to fail to write out a non-existent index as a tree, introduced in 2.37.
- There was a bug in the codepath to upgrade generation information in commit-graph from v1 to v2 format, which has been corrected.

Also contains minor documentation updates and code clean-ups.

□□□ #2
□ □□□ □□□ 2026-10-31 20:00:47 UTC
□ □□□ □□□ 2026-10-31 20:00:48 UTC