1.7.1

Git v1.7.1 Release Notes ==========

Updates since v1.7.0 ----------

- Eric Raymond is the maintainer of updated CIAbot scripts, in contrib/.
- gitk updates.
- Some commands (e.g. svn and http interfaces) that interactively ask for a password can be told to use an external program given via GIT_ASKPASS.
- Conflict markers that lead the common ancestor in diff3-style output now have a label, which hopefully would help third-party tools that expect one.
- Comes with an updated bash-completion script.
- "git am" learned "--keep-cr" option to handle inputs that are a mixture of changes to files with and without CRLF line endings.
- "git cvsimport" learned -R option to leave revision mapping between CVS revisions and resulting git commits.
- "git diff --submodule" notices and describes dirty submodules.
- "git for-each-ref" learned %(symref), %(symref:short) and %(flag) tokens.
- "git hash-object --stdin-paths" can take "--no-filters" option now.
- "git init" can be told to look at init.templatedir configuration variable (obviously that has to come from either /etc/gitconfig or $HOME/.gitconfig).
- "git grep" learned "--no-index" option, to search inside contents that are not managed by git.
- "git grep" learned --color=auto/always/never.
- "git grep" learned to paint filename and line-number in colors.
- "git log -p --first-parent -m" shows one-parent diff for merge commits, instead of showing combined diff.

- "git merge-file" learned to use custom conflict marker size and also to use the "union merge" behaviour.
- "git notes" command has been rewritten in C and learned many commands and features to help you carry notes forward across rebases and amends.
- "git request-pull" identifies the commit the request is relative to in a more readable way.
- "git reset" learned "--keep" option that lets you discard commits near the tip while preserving your local changes in a way similar to how "git checkout branch" does.
- "git status" notices and describes dirty submodules.
- "git svn" should work better when interacting with repositories with CRLF line endings.
- "git imap-send" learned to support CRAM-MD5 authentication.
- "gitweb" installation procedure can use "minified" js/css files better.
- Various documentation updates.

Fixes since v1.7.0 ------------------

All of the fixes in v1.7.0.X maintenance series are included in this release, unless otherwise noted.

- "git add frotz/nitfol" did not complain when the entire frotz/ directory was ignored.
- "git diff --stat" used "int" to count the size of differences, which could result in overflowing.
- "git rev-list --pretty=oneline" didn’t terminate a record with LF for commits without any message.
- "git rev-list --abbrev-commit" defaulted to 40-byte abbreviations, unlike newer tools in the git toolset.

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