2.4.7

Git v2.4.7 Release Notes ==========

Fixes since v2.4.6 ----------

- A minor regression to "git fsck" in v2.2 era was fixed; it complained about a body-less tag object when it lacked a separator empty line after its header to separate it with a non-existent body.

- We used to ask libCURL to use the most secure authentication method available when talking to an HTTP proxy only when we were told to talk to one via configuration variables. We now ask libCURL to always use the most secure authentication method, because the user can tell libCURL to use an HTTP proxy via an environment variable without using configuration variables.

- When you say "!<ENTER>" while running say "git log", you'd confuse yourself in the resulting shell, that may look as if you took control back to the original shell you spawned "git log" from but that isn't what is happening. To that new shell, we leaked GIT_PAGER_IN_USE environment variable that was meant as a local communication between the original "Git" and subprocesses that was spawned by it after we launched the pager, which caused many "interesting" things to happen, e.g. "git diff | cat" still paints its output in color by default.

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Stop leaking that environment variable to the pager's half of the
fork; we only need it on "Git" side when we spawn the pager.
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- Avoid possible ssize_t to int truncation.

- "git config" failed to update the configuration file when the underlying filesystem is incapable of renaming a file that is still open.

- A minor bugfix when pack bitmap is used with "rev-list --count".

- An ancient test framework enhancement to allow color was not entirely correct; this makes it work even when tput needs to read from the ~/.terminfo under the user's real HOME directory.

- Fix a small bug in our use of umask() return value.

- "git rebase" did not exit with failure when format-patch it invoked failed for whatever reason.

- Disable "have we lost a race with competing repack?" check while receiving a huge object transfer that runs index-pack.

Also contains typofixes, documentation updates and trivial code clean-ups.

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