2.4.2

Git v2.4.2 Release Notes ==========

Fixes since v2.4.1 ----------

- "git rev-list --objects $old --not --all" to see if everything that is reachable from $old is already connected to the existing refs was very inefficient.
- "hash-object --literally" introduced in v2.2 was not prepared to take a really long object type name.
- "git rebase --quiet" was not quite quiet when there is nothing to do.
- The completion for "log --decorate=" parameter value was incorrect.
- "filter-branch" corrupted commit log message that ends with an incomplete line on platforms with some "sed" implementations that munge such a line. Work it around by avoiding to use "sed".
- "git daemon" fails to build from the source under NO_IPV6 configuration (regression in 2.4).
- "git stash pop/apply" forgot to make sure that not just the working tree is clean but also the index is clean. The latter is important as a stash application can conflict and the index will be used for conflict resolution.
- We have prepended $GIT_EXEC_PATH and the path "git" is installed in (typically "/usr/bin") to $PATH when invoking subprograms and hooks for almost eternity, but the original use case the latter tried to support was semi-bogus (i.e. install git to /opt/foo/git and run it without having /opt/foo on $PATH), and more importantly it has become less and less relevant as Git grew more mainstream (i.e. the users would *want* to have it on their $PATH). Stop prepending the path in which "git" is installed to users' $PATH, as that would interfere the command search order people depend on (e.g. they may not like versions of programs that are unrelated to Git in /usr/bin and want to override them by having different ones in /usr/local/bin and have the latter directory earlier in their $PATH).

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

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