1.6.0.5

GIT v1.6.0.5 Release Notes ==========================

Fixes since v1.6.0.4 --------------------

- "git checkout" used to crash when your HEAD was pointing at a deleted branch.
- "git checkout" from an un-checked-out state did not allow switching out of the current branch.
- "git diff" always allowed GIT_EXTERNAL_DIFF and --no-ext-diff was no-op for the command.
- Giving 3 or more tree-ish to "git diff" is supposed to show the combined diff from second and subsequent trees to the first one, but the order was screwed up.
- "git fast-export" did not export all tags.
- "git ls-files --with-tree=<tree>" did not work with options other than -c, most notably with -m.
- "git pack-objects" did not make its best effort to honor --max-pack-size option when a single first object already busted the given limit and placed many objects in a single pack.
- "git-p4" fast import frontend was too eager to trigger its keyword expansion logic, even on a keyword-looking string that does not have closing ’$’ on the same line.
- "git push $there" when the remote $there is defined in $GIT_DIR/branches/$there behaves more like what cg-push from Cogito used to work.
- when giving up resolving a conflicted merge, "git reset --hard" failed to remove new paths from the working tree.
- "git tag" did not complain when given mutually incompatible set of options.
- The message constructed in the internal editor was discarded when "git tag -s" failed to sign the message, which was often caused by the user not configuring GPG correctly.
- "make check" cannot be run without sparse; people may have meant to say "make test" instead, so suggest that.

- Internal diff machinery had a corner case performance bug that choked on a large file with many repeated contents.
- "git repack" used to grab objects out of packs marked with .keep into a new pack.
- Many unsafe call to sprintf() style varargs functions are corrected.
- Also contains quite a few documentation updates.

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