1.6.3.2

GIT v1.6.3.2 Release Notes ==========================

Fixes since v1.6.3.1 --------------------

- A few codepaths picked up the first few bytes from an sha1[] by casting the (char **) pointer to (int**); GCC 4.4 did not like this, and aborted compilation.
- Some unlink(2) failures went undiagnosed.
- The "recursive" merge strategy misbehaved when faced rename/delete conflicts while coming up with an intermediate merge base.
- The low-level merge algorithm did not handle a degenerate case of merging a file with itself using itself as the common ancestor gracefully. It should produce the file itself, but instead produced an empty result.
- GIT_TRACE mechanism segfaulted when tracing a shell-quoted aliases.
- OpenBSD also uses st_ctimspec in "struct stat", instead of "st_ctim".
- With NO_CROSS_DIRECTORY_HARDLINKS, "make install" can be told not to create hardlinks between $(gitexecdir)/git-$builtin_commands and $(bindir)/git.
- command completion code in bash did not reliably detect that we are in a bare repository.
- "git add ." in an empty directory complained that pathspec "." did not match anything, which may be technically correct, but not useful. We silently make it a no-op now.
- "git add -p" (and "patch" action in "git add -i") was broken when the first hunk that adds a line at the top was split into two and both halves are marked to be used.
- "git blame path" misbehaved at the commit where path became file from a directory with some files in it.
- "git for-each-ref" had a segfaulting bug when dealing with a tag object created by an ancient git.
- "git format-patch -k" still added patch numbers if format.numbered configuration was set.
- "git grep --color ’’" did not terminate. The command also had subtle bugs with its -w option.

- http-push had a small use-after-free bug.
- "git push" was converting OFS_DELTA pack representation into less efficient REF_DELTA representation unconditionally upon transfer, making the transferred data unnecessarily larger.
- "git remote show origin" segfaulted when origin was still empty.

Many other general usability updates around help text, diagnostic messages and documentation are included as well.

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