2.1.4

Git v2.1.4 Release Notes ==========

Fixes since v2.1.3 ----------

- We used to allow committing a path ".Git/config" with Git that is running on a case sensitive filesystem, but an attempt to check out such a path with Git that runs on a case insensitive filesystem would have clobbered ".git/config", which is definitely not what the user would have expected. Git now prevents you from tracking a path with ".Git" (in any case combination) as a path component.

- On Windows, certain path components that are different from ".git" are mapped to ".git", e.g. "git~1/config" is treated as if it were ".git/config". HFS+ has a similar issue, where certain unicode codepoints are ignored, e.g. ".gu200cit/config" is treated as if it were ".git/config". Pathnames with these potential issues are rejected on the affected systems. Git on systems that are not affected by this issue (e.g. Linux) can also be configured to reject them to ensure cross platform interoperability of the hosted projects.

- "git fsck" notices a tree object that records such a path that can be confused with ".git", and with receive.fsckObjects configuration set to true, an attempt to "git push" such a tree object will be rejected. Such a path may not be a problem on a well behaving filesystem but in order to protect those on HFS+ and on case insensitive filesystems, this check is enabled on all platforms.

A big "thanks!" for bringing this issue to us goes to our friends in the Mercurial land, namely, Matt Mackall and Augie Fackler.

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

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