# Office Suite Demo for Git

[Git](https://git-scm.com/book/en/v2) is a distributed version control system designed by Linus Torvald to track changes to the source code (predominantly [C](https://en.wikipedia.org/wiki/C_(programming_language))). Since these files are plain text generally written with one statement per line, the natural way to track changes is *one line*, i.e., everything you type up until you press Enter.

Office suites (Microsoft, Google, Corel, OpenOffice, LibreOffice) are neither source code nor plain text. Modern office documents are structured collections of objects, typically organized as XML stanzas using plain text ([ASCII](https://en.wikipedia.org/wiki/ASCII) or [Unicode](https://en.wikipedia.org/wiki/UTF-8)) for headings and metadata, with the text, images, tables, links, and data that you type, paste, and compute stored as binary blobs generated from an often-proprietary encoding.

Practically speaking, this means that although you can use Git to track changes in your Word documents (*et cetera*), it will not be efficient: every time you change a character, Git sees it as a change to the entire binary blob (which contains no line-endings inside). To track the change, Git stores the *entire blob*, even if only one single character was changed in the office software.

The purpose of [this repository](https://github.com/tkphd/demo-office-docs) is to test and interrogate this as an educational tool.