

A document written protected

Every string and every stream in this file is ciphertext, locked with AES under a two-hundred-and-fifty-six-bit key.

This copy opens without a password: its user password is empty, which is what most protected files in the world do.

The reader is asked to allow printing and reading aloud, and to withhold copying, changing and taking pages out. Those are requests a reader honours, not locks: one that ignores them opens the document all the same.

The author's password lifts them: the owner

Where the key comes from

The thirty-two bytes the key is built from are fixed in this example, so that it writes the same file on every run and one build can be compared with the last. A program takes them from its operating system: a seed anybody can read locks nothing.