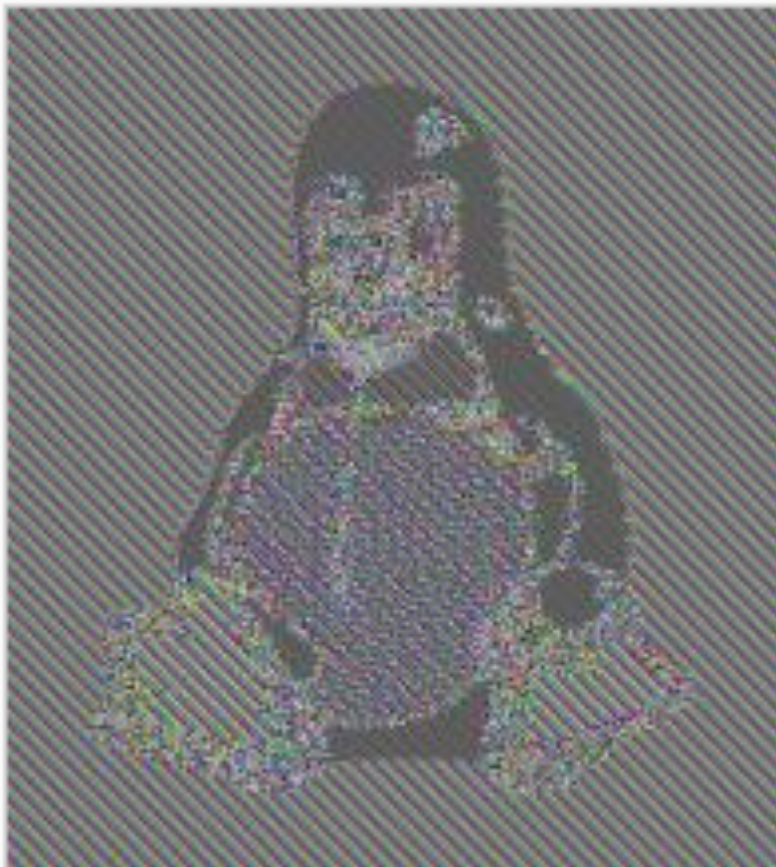


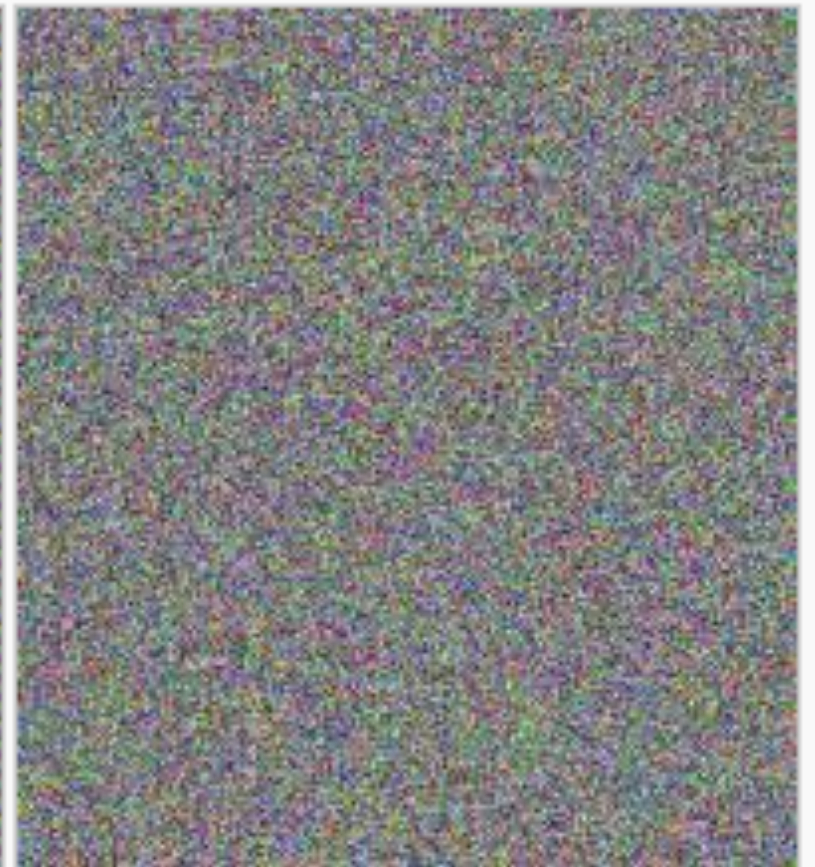
How bad is ECB mode with a large data?



Original image

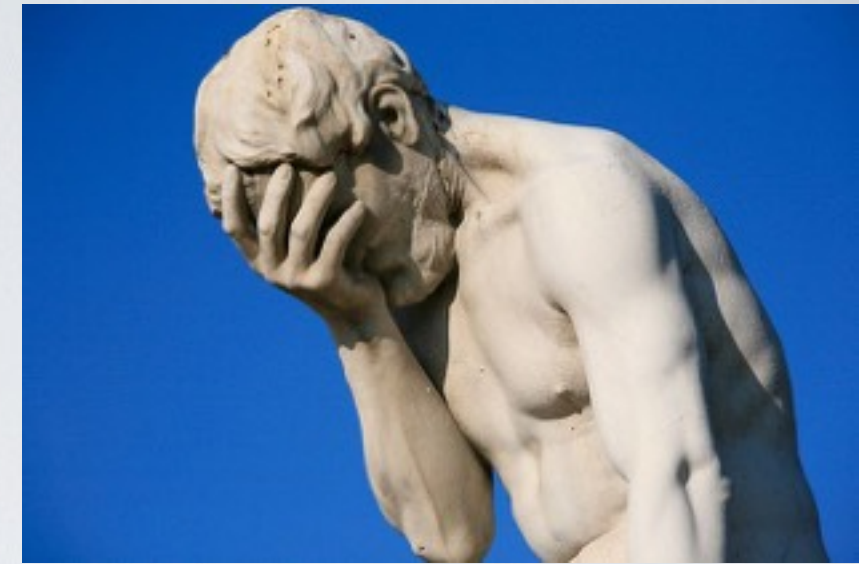


Encrypted using ECB mode



Modes other than ECB result in pseudo-randomness

source: *Wikimedia*



Simple Illustration of Zoom Encryption Failure

 by Davi Ottenheimer on April 10, 2020

The Citizen Lab [April 3rd, 2020 report](#) broke the news on Zoom using weak encryption and gave this top-level finding:

“

Zoom [documentation](#) claims that the app uses “AES-256” encryption for meetings where possible. However, we find that in each Zoom meeting, a single AES-128 key is used in ECB mode by all participants to encrypt and decrypt audio and video. The use of ECB mode is not recommended because patterns present in the plaintext are preserved during encryption.

source: *Security Boulevard*