

# Preliminary results of CryptoCliqIn

## Experiment specification

Processor: Intel(R) Core(TM) i7-8650U CPU @ 190GHz 2.11GHz

Installed memory (RAM): 16.0

Operating System: Ubuntu 18.04.3 LTS (64 bits)

Programming: Python 3.7.8

Comparison Algorithm: AES-256 [1]

## Results

We run the simulation five times, and the average values of the results are listed in the following table.

*Table 1: Comparison of Encryption time (in microseconds) between AES and CryptoCliqIn.*

	56 Bytes	128 Bytes	256 Bytes	512 Bytes	1024 Bytes
AES-256	590.3636	594.1859	690.52837	951.2705	1316.2323
CryptoCliqIn	231.6295	243.6147	351.83217	423.8169	518.2691

*Table 2: Comparison of Decryption time (in microseconds) between AES and CryptoCliqIn.*

	56 Bytes	128 Bytes	256 Bytes	512 Bytes	1024 Bytes
AES-256	474.5278	512.2945	717.13175	740.9945	1108.2298
CryptoCliqIn	195.3485	247.5743	295.1695	318.6952	493.7523

## Reference

[1] AES python implementation: <https://github.com/bozhu/aes-python>