

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

Comparison Algorithm: AES-256 [1]

Results:

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	231.6498	243.6487	351.9420	428.8460	513.2696

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	191.9485	248.8745	295.8645	313.6832	453.7821

Reference

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