| AES-256-CBC AES-256-CTR AES-256-GCM SHA-256 Encryption | | | | | | AES-256-CBC | AES-256-CTR | AES-256-GCM | SHA-256 | o | AES-256-CBC | AES-256-CTR | AES-256-GCM | SHA-256 | _ |
|---|---------------------------------|---------------------------|----------------|------------|--------|---|-------------|-------------|---------|------|---------------------------|-------------|-------------|---------|---|
| 0.0 — | AF0 050 0D0 | AFO OFF OFF | -0.050.004 | 0114.050 | 500 — | | | | | | | | | | |
| 0.2 — | | | | | 1000 — | | | | | 4 — | | | | | |
| bed 0.4 ─ | | | | | 1500 | | | | | 6 — | | | | | |
| 1 MB (n | | | | | | | | | | 8 | | | | | |
| (se) 0.6 — | | | | | 2000 | | | | | 10 — | | | | | |
| 0.8 — | | | | | 2500 — | | | | | 12 | | | | | |
| How long to process 1 MB | | | | | | Which encryption is fastest for bulk data | | | | | Latency per block of data | | | | |
| SHA-256 | 0.701 | 1 | 1424.6 | 10.7 | | | | | | | | | | | |
| S-256-CTR S-256-GCM | 0.414 0.576 | | 2414 1735.4 | 6.6 8.8 | | | | | | | | | | | |
| S-256-CBC | 0.731 | | 1367 | 11.7 | | | | | | | | | | | |
| | Execution time per 1 M 0.731 | ib (ilis) Trirougriput (i | | | | | | | | | | | | | |