

Implementation of a Rainbow Table Attack

Cybersecurity

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Current status

- Reduction function implementation
- Native python lib for SHA
- Data structure for rainbow table (may be changed)
- Our plaintext space: 208,000,000,000 (26^8)

Example calculation for 45 min target time:

- 4 CPU cores, per core:
 - chain length: 100,000
 - number of chains: 18,000

Next steps

test runs

efficient use of memory

evaluate results with
different k (hash length)