

Network Security Project – Proposal

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1 Proposal

To develop an implementation of the Serpent-1 Cipher [**wikipedia**][**homepage**] in **C** and **Python**.

Both implementations of the cipher shall be constructed using threads to take advantage of the parallelism of the Serpent Algorithm. The number of threads to be used (up to a limit) shall be specified at runtime.

Each implementation shall be cipher-text compatible with each other and also the reference implementations [**referenceImplementation**].