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Enhancing Blueshift Encryption Method by Overheads Optimization

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New encryption standards are essential to keep up with the ever-evolving technology landscape. As cyber-attacks and hacking methods become more sophisticated, encryption standards must also advance to provide stronger security. An effort to deal with this is the Blueshift Encryption Technique. This research study has used optimized overheads while performing encryption operations to improve blueshift encryption method's performance. This research study addresses the cloud security challenges by enhancing the Blueshift Encryption Method to ensure robust data protection in cloud environments. Here, the research novelty lies in the optimization of encryption overheads, making use of NumPy arrays and vectorization for efficient data processing. Furthermore, the obtained results are compared with the most recent related works in the domain of cloud security and encryption methods. By highlighting the enhancements achieved in both performance and security, this research study not only addresses a critical issue but also offers a promising solution that is benchmarked against contemporary standards.

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