IMAGE FILE SECURITY USING DES CRYPTOGRAPHIC ALGORITHM

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ABSTRACT

Cryptography is the knowledge of encoding messages with regard to security aspects. Cryptography uses two types of keys, namely symmetric keys and asymmetric keys. The DES (Data Encryption Standard) algorithm is one of the algorithms that can be used to encrypt data so that the original data can only be read by someone who has the encryption key. Image file formats are a standardized way of organizing and storing digital images. An image file format can save data in an uncompressed format, a compressed format, or a vector format. In this study, we use the DES (Data Encryption Standard) cryptographic algorithm to be implemented into a website-based system. From the research conducted, researchers can encrypt and decrypt an image with the extension jpeg/jpg and png using the DES (Data Encryption Standard) Algorithm.

Keywords: Cryptography, DES Algorithm, Image.