عنوان مقاله:

AES Encryption Algorithm Parallelization in Order to Use Big Data Cloud

محل انتشار:

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خلاصه مقاله:

Currently, standard encryption algorithms, such as AES, are used for encryption of data in cloud. As AES algorithm is a low-speed for serial, in addition to solving its low-speed, a Parallel Algorithms is introduced. Regarding the extent of cloud network, the most important feature of the proposed algorithm is its High speed and resistivity against the attacks. The algorithm is designed and implemented in java script in cloudsim environment. The results obtained from implementation of this algorithm in cloud simulating environment, are compared and evaluated relative to the other algorithms. Similar input was fed to the proposed and other algorithms. The proposed algorithm processed the data in 82 ms. which is faster than the other algorithm

کلمات کلیدی:

data, cloud computing, Parallel Algorithms, parallel AES encryption algorithm, cloudsim

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