Improvisation of Network Security using Encryption Technique for Big Data Technology

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Authors:
Geeta Yadav, Sandeep Dalal

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Abstract

An era has come where technology plays a very dominant role in every one’s life. Communication is one such aspect which is crucial for any business to flourish on day to day basis. An upcoming trend changer in terms of technology is Big Data technology which makes the organizations achieve competitive edge over others through big data which helps in exploiting values from available data. All organizations prefer networking system for communicating with their consumers or clients at a faster rate compared to earlier years and achieve success in dynamic environment.

This requires an infrastructure that can manage exploding volumes of unstructured and structured data in rest as well as in motion and protect data privacy and security. Most critical aspect of big data technology lies in security. Leak of security can prove to be dangerous for any business success considering data confidentiality.

In recent years, many scientists and researchers have work towards strengthening of big data’s
security aspect. Transferring rate of big data depends on its volume, velocity and variety. This research paper show design of a new algorithm which improve security aspect of big data technology and makes application of big data technology safer to operate by organizations.

References

1. Michael Cooper & Peter Mell, “Tackling Big Data” NIST Information Technology Laboratory, Computer Security Division, Dept. of commerce, US.

Index Terms

Computer Science
Security

Keywords
Cryptography, RSA, CAESAR, Big Data, Networking