Abstract

Big data refers to a collection of information that is too vast and complex to be effectively collected, processed and analyzes using traditional algorithms, tools and approaches. In order to utilize big data, researchers, business and governments are focusing efforts on datasets characterized by three challenges, volume, velocity and variety. These challenges requires research and innovation at all levels of computing, from the physical networks needed for capturing and transporting such data to advanced algorithms for effectively , securing, organizing, processing and ultimately, making effective use of such data. Now a days Big Data gradually become a hot topic of research and business and has been everywhere used in many industries. Big Data security and privacy has been increasingly concerned. In this paper, first we reviewed some possible methods and techniques to ensure big data security and privacy and then present an MD5 cryptographic algorithm in networking for big data security and privacy.
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**Keywords**

Big data, security and privacy, RACK