Enhancement of the Private Cloud Data Transaction by using an Orthogonal Handshaking Authentication Protocol (OHSAP)

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Abstract

Now a day, “Cloud Computing” is an inevitable trend in the field of information technology due to the reason for information sharing as well as the resource utilization. In most of the organizations either it may be a profitable or non-profitable category must focus on the resource sharing due to minimization of its infrastructure development cost. In spite of its tremendous growth, there will be a great question mark for the security on the data transaction between the cloud service providers (CSP) and the end user or client. The privacy information stored in the cloud service provider data bases will be utilized by the authorized end users in many occasions as well as it will be shared by communication channel with highly secured authentication protocols. Even though existence of several cryptographic algorithms, the intruders breaks the cipher text for the authentication protocol and create a road map for data loss. In this research paper especially focus on the security issues of data transaction under private cloud with the help of the proposed protocol named as “Orthogonal Handshaking Authentication Protocol (OHSAP)”.

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Index Terms

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Keywords

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