Secure Content Centric Network

Authors : Syed Umair Aziz, Muhammad Faheem, Sameer Hussain, Faraz Idris

Abstract : Content centric network is the network based on the mechanism of sending and receiving the data based on the interest and data request to the specified node (which has cached data). In this network, the security is bind with the content not with the host hence making it host independent and secure. In this network security is applied by taking content's MAC (message authentication code) and encrypting it with the public key of the receiver. On the receiver end, the message is first verified and after verification message is saved and decrypted using the receiver's private key.

Conference Title : ICACM 2015 : International Conference on Applied and Computational Mathematics
Conference Location : Madrid, Spain
Conference Dates : November 12-13, 2015