

Blockchain Security in MANETs

Authors : Nada Mouchfiq, Ahmed Habbani, Chaimae Benjbara

Abstract : The security aspect of the IoT occupies a place of great importance especially after the evolution that has known this field lastly because it must take into account the transformations and the new applications .Blockchain is a new technology dedicated to the data sharing. However, this does not work the same way in the different systems with different operating principles. This article will discuss network security using the Blockchain to facilitate the sending of messages and information, enabling the use of new processes and enabling autonomous coordination of devices. To do this, we will discuss proposed solutions to ensure a high level of security in these networks in the work of other researchers. Finally, our article will propose a method of security more adapted to our needs as a team working in the ad hoc networks, this method is based on the principle of the Blockchain and that we named ”MPR Blockchain”.

Keywords : Ad hocs networks, blockchain, MPR, security

Conference Title : ICWN 2019 : International Conference on Wireless Networks

Conference Location : Venice, Italy

Conference Dates : November 12-13, 2019