Abstract

This survey paper discuss the security challenges in IoT network. IoT is hot research topic in between researchers. In the era of digital media IoT play an important role of information servers and data warehouses. IoT network are used in different cities of smart city network. That’s why the security of the IoT network is also a big task. There are many loop holes available in IoT based security network. In this survey paper discuss the security aspects in the IoT networks. Also discuss the different researches previous work and previous work in IoT security. This survey analyzes existing protocols and mechanisms to secure communications in the IoT, as well as open research issues. We analyze how existing approaches ensure fundamental security requirements and protect communications on the IoT, together with the open challenges and strategies for future research work in the area. This is, as far as our knowledge goes, the first survey with such goals.


**Index Terms**

Computer Science  
Security

**Keywords**

End-to-end security, IEEE 802.15.4, Internet of things, RPL, Security, MAC layer, IP V6 and V4