Internet of Things Security based on Devices Architecture

Abstract

The Internet of Things, also called The Internet of Objects, refers to a wireless network between objects; usually the network will be wireless and self-configuring, such as household appliances. Secures IOT end-to-end, which means authenticating device communications, protecting code and applications, and securing devices from threats. Emergence accompanied the IoT technology, or when using of this technology and its deployment, an increase in security and privacy violation, so must take caution when used, and also paid to further research in this technology which that bothered a lot, including confidentiality, authenticity, and integrity. In this paper we will present the security and privacy when using the Internet of Things technology, depending on the architecture of the devices, and will be focusing on how security building in the devices, and protection requirements, by studying the architecture layer and IoT security infrastructure.

Index Terms
Keywords

Internet of Things, RFID, GPS, Privacy, authentication.