Abstract

With digitization continuing to enter all aspects of daily life, a growing number of devices and appliances are becoming ‘smart’ and digitally connected. As a result, a large range of IoT applications have been developed and released utilizing a variety of IoT frameworks. All frameworks of IoT environments are composed of a set of procedural, rules and standards that allow easy implementation and deployment of the various IoT applications. Deploying and implementing these applications necessitates a range of mechanisms and procedural of security and privacy to ensure proper working and avoid any threats that may occur. This paper introduces a survey of how to secure IoT frameworks through applying a comparative study on a set of basic security mechanisms applied by providing background about security mechanisms, in addition to advantages and disadvantages of each security technique in IoT applications domain.

Index Terms

Computer Science Security
Keywords

Internet of Things, Security mechanism, Security architecture