

Smart Homes Privacy Metrics

Nooredin (Noory) Etezady
netezady@unm.edu
Anderson School of Management
University of New Mexico
Albuquerque, NM, USA

Abstract

Internet of Things (IoT) has exponentially increased the collection of different types of consumer information through IoT sensors. IoT makes people's life more convenient and at the same time poses new challenges to privacy and security protection. Most consumers do not completely realize the potential privacy and security risks related to IoT. To make the matters worse, there is no standard metric for IoT and specifically for smart homes. There have been several calls by researchers for identification and development of new metrics to measure the level of privacy harm and security protection. In this paper a comprehensive literature review was conducted on privacy metrics for smart homes. The literature review identified three papers on smart homes privacy metrics. The metrics developed by these papers have their shortcomings and need to be further verified and tested.

Keywords: smart home, privacy, metric, IoT, Internet of Things

A full manuscript of this abstract may be found at <https://cppj.info>