Internet of things (IoT) connects billions of devices, people and services, and exchanges data among them. Moreover, IoT has scalability (in terms of the number of devices and sensors), proximity, ubiquity (mass development) and connectedness property which easily violates an individual's privacy by collecting and using personal data. Thus, there is an urgent need for a privacy-preserving tool to ensure an individual's privacy requirements with transparency and control. To develop these tools it is important to understand people's privacy expectations, implications and requirements of IoT to understand how people feel about their privacy requirements. In this paper, a rigorous analysis is performed on existing different surveys and interviews to find out individual's privacy expectations from IoT sensors, privacy concerns and reasons for privacy concerns mitigations. The finding suggests that although privacy preferences are diverse and context-dependent, still some general factors that affect all.

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Index Terms

Computer Science

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Keywords

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