DoT (Database for IoT): Requirements and Selection Criteria

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Abstract

The Internet of Things (IoT) is the dynamic and global network infrastructure where smart interconnected objects continuously generate massive amount of data which then transmitted over internet. A lot of work is done on building low cost small devices, their connectivity and communication. However there is a little work done on data management as well as the type of database systems (DoT: Database for IoT) that must be used in IoT. DoT requirements are different than the traditional database requirements. WSN Data management solutions are applied to IoT but WSN is just a part of IoT and it needs another solution for data management. In this paper we will focus on different types of IoT data, data management and their challenges in IoT. This paper also considers database requirements for IoT and focuses on selection of DoT by considering type of devices and their capabilities.

References


**Index Terms**

Computer Science

Databases

**Keywords**

Database management challenges, Internet of Things, Database for IoT (DoT).