













on detail operation 4 steps of IoT services. The first step is sensing step that classifies sensor devices. The second step is data management that classifies the preprocessing of data and maintenance of data. The third step is the processing step that divides and combine operation modules. The fourth step classifies IoT services into their own actions. To proof proposed classification algorithm, we sort 37 IoT services that perform its own processing from surveyed over 100 commercial IoT services. They are classified into 19 groups. The 10 groups of them that have more than one service. By experimental analysis, each group is grouped together by their purpose.

In this paper, our classification algorithm is based on service operation steps. In further works, we are going to study similarity based classification algorithm for sharing service modules and analysis data.

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