

The utilization of algorithms for cloud internet of things application domain: a review

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Frontiers of Computer Science, DOI: [10.1007/s11704-019-9056-6](https://doi.org/10.1007/s11704-019-9056-6)

Problems & Ideas

- Problem of previous researches are yet to consider the utilization of algorithms, deployed for the management of things resources (data and physical features) in the cloud-enabled IoT paradigm.
- Ideas: CloudIoT Application Domain
 - Medical Health Domain
 - Manufacturing Domain
 - Agricultural Domain
 - Smart Environment
 - Simulation and Programming Language Packages

Main Contributions

A detailed analysis is presented on how the data resources and the physical features of the IoT devices are managed effectively and efficiently by the existing algorithms.

The comparison of various programming languages, as well as the simulation software packages deployed, to design and evaluate the performance of these algorithms are presented.

The various network communication protocols utilized both for internal and external interaction by the CloudIoT system components were discussed. Consequently,

The future work as discussed in previous researches is also presented in this article, which paves the way for future research directions.