Web and WSN’S Integration: The Web of Things (WoT)

Abstract

The novel trend of IPv6 over Low power Wireless Personal Area Networks (6LoWPAN) has enlivened the compromise of Wireless Sensor Networks (WSNs) and Smart objects with the ubiquitous Internet. Meanwhile, the Term CoAP stands for Constrained Application Protocol has made it possible to bestow resource obliged devices all along RESTful web services functionalities and thus to organize Wireless Sensor Networks and smart things or objects with the Web. The exercise of Web services on top of IP based Wireless Sensor Networks holds up the software reusability and reductions the capriciousness of the application change. This exertion spotlight RESTful Wireless Sensor Networks. It depicts CoAP, highlights the principal appears differently in relation to Hyper Text Transfer Protocol (HTTP) and reports the delayed consequences of a fundamental investigation exhibiting the benefits of CoAP in regards to compel usage diverged from Hyper Text Transfer Protocol (HTTP). We have depicted the arrangement and progression of an end-to-end IP based auxiliary arranging (architecture) joining a CoAP more than 6LowPAN Contiki based Wireless Sensor Networks with a Hyper Text Transfer Protocol (HTTP) over IP based application. The application consents a customer...
to get to Wireless Sensor Networks data particularly from a Web program.

**References**


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Index Terms

Computer Science

Wireless

Keywords

WSN'S, WWW, WoT, CoAP