عنوان مقاله:

Hybrid of Cloud Computing and Distributed Cluster Based WSN Including Low Power Camera

محل انتشار:

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خلاصه مقاله:

In this paper we discuss the idea of combining wireless sensor networks, image processing and cloud computing starting with a state of the art analysis ofexisting approaches in this field. Here, we present the concept of a WSN infrastructure as a WSN Cloud, which provides services to multiple application andData collection systems which adheres to the cloud computing paradigm. Transformation of data derived from sensor networks into a valuable resource for information hungry applications will benefit from techniques being developed for the emerging Cloud computing technologies. In particular, it is too difficultto test parallel and distributed systems sufficiently although dependable systems such as high-availabilityservers usually form parallel and distributed systems. To solve these problems, a software testing environment is proposed for dependable parallel and distributedsystem using the cloud computing technology. The recent availability low-cost and low power images sensors and communication networks allowed the development of many new applications, such as security, environment, building and home remotemonitoring, health monitoring, industrial sensing andtraffic control. The concept of distributed visual sensor networks is now possible due to the pervasive diffusion of low power processing and wireless networking.

کلمات کلیدی:

Pervasive Computing, WSN, Image processing, Cloud computing

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