Special Issue

Internet of Things (IoT)-Based Cloud, Fog, Roof and Dew Computing

Message from the Guest Editor

Recent years have witnessed the proliferation of the Internet of Things, as billions of IoT devices have been connected to the Internet, generating massive amounts of data. However, it is challenging and infeasible to transfer and process trillions of bytes of data using the current computation architecture, whether due to bandwidth constraints, uncontrollable latency, and privacy concerns. However, with the emergence of diverse IoT applications, it has become challenging for different computing paradigms to deal with these heterogeneous IoT environments.In this Special Issue, the recent efforts and advances made in the domains of IoT based cloud, fog, roof and dew computing will be discussed. The topics of interest for this Special Issue include, but are not limited to, the following: 1.System architecture of cloud, fog, roof and dew computing for IoTs. 2. Task offloading, resource allocation, service placement, and system optimization in IoTs. 3. Intelligent IoT applications based on cloud, fog, roof and dew computing paradigms. 4.Data mining and knowledge discovery in IoTs. 5. System security and data privacy in cloud, fog, roof and dew computing-based IoTs.

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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