Network Cost Reduction in Cloud/Fog Computing Environments

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Message from the Guest Editors

Cloud computing has attracted significant research attention in recent years, as a result of delivering alternative and more affordable access to high computational power and large storage.

While cloud computing has successfully countered some limitations, the increasing number of IoTs devices and the low-latency applications demands for big data volumes in real-time have tested the cloud computing computational and storage performance. As a result, fog computing emerged as part of cloud computing in order to cope with the new demands.

Regardless of the service model of a cloud computing environment, there is a common goal of every cloud-computing provider, namely: network cost reduction. Network cost, in this Special Issue, is assumed to derive from the following: (i) network metrics (e.g., network latency), (ii) information and communications technology (ICT) resources, and (iii) cloud/fog computing cost in terms of financial costs.

This Special Issue invites original research papers on new algorithms, protocols, architectures, technologies, and solutions for the Special Issue, "Network Cost Reduction in Cloud Computing and Fog Computing Environments".

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Special Issue

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Message from the Editor-in-Chief

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