

Special Issue

Secure Provisioning Services in Cloud-Edge Systems

Message from the Guest Editor

Cloud computing, edge computing, and IoT have significantly changed from the original architectural provisional models with a pure adoption of virtual resources (and services) towards a transparent – and adaptive – hosting environment where cloud providers, as well as “on-premise” resources and end-nodes, fully realize the “everything-as-a-service” provisioning concept. With edge computing, data storage and computation power may be optimally distributed closer to the data source or in the cloud, to eliminate lag-times or save bandwidth, but new security challenges arise. The optimal secure design of these architectures, including the selection of optimal services to acquire, is not-trivial in the cloud–edge context, due to the involvement of several constraints and types of cloud resource offerings, and the impact on cost, performance, and safety. This Special Issue is focused on foundations, methodologies, and mechanisms that support the provision of secure services in the new cloud–edge architectural models through design, modeling, and evaluation of systems.

Guest Editor

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Editor-in-Chief

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