



Secure Provisioning Services in Cloud-Edge Systems

Guest Editor:

Prof. Dr. Valentina Casola

Department of Electrical
Engineering and Information
Technology of the University of
Naples Federico II, Napoli, Italy

Deadline for manuscript
submissions:

closed (28 July 2022)

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.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

Contact Us

Applied Sciences Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
X@Applsci