Special Issue

Security in Cloud Computing, Big Data and Internet of Things

Message from the Guest Editors

The growing popularity and development of cloud computing, big data, and internet of things (IoT) technologies have rendered security a predominant topic of research. In the era characterised by digital connectivity and big data, it is crucial to process, manage, and use shared data effectively in a secure manner. Cloud computing provides various elastic and scalable IT services, while also presenting privacy and security problems. Service models such as SaaS and PaaS require security at different levels of service. Additionally, modern cloud technologies based on distributed serverless architectures and ephemeral assets such as FaaS make security even more important. This Special Issue focuses on novel research addressing security issues in three main areas: cloud computing, big data, and the internet of things, from the perspectives of theoretical models and mechanisms, technology, and applications. Topics of interests include (but are not limited to):

- Data security;
- Data encryption;
- Data leakage
- Cloud protection;
- Virtualization;
- Broken authentication;
- IoT secure communication;
- Secure lifecycle management.

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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.

Editor-in-Chief

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