Proposal For Full - Thematic Issue

Title of the proposed Thematic Issue: Incidental Security Handling Strategies in Cloud-Enabled Big-Data Computing Networks

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Proposal For Full - Thematic Issue


**Issue Description**

Incident handling strategy is a key strategy that assuages the organisation assets such as confidentiality, integrity and availability (CIA) and reduces the loss as well (e.g. financial, reputation and legal) when migrating to cloud environment. To ensure the cloud security in big-data computing networks, several existing strategies or models can be redeveloped. However, they are inefficient to visualize, geographically disperse and introduce the ephemeral both specialized and jurisdictional for cloud information system. In cloud-enabled big-data computing platform, dynamic cloud virtual machines are visible and accessible through social web that enables hackers to complete a few sorts of assaults, such as Denial of Service (DoS) and other potential attacks. Security logs try to verify the genuine threat and its intensities and access duration.

Most of the systems run on public cloud instances that are not secured enough to withstand such relentless attacks. It is completely dangerous for the cloud-enabled big-data administrations that provides cloud infrastructure. A network access control solution facilitates the delivery of cloud services, which to provide better customizability. Several network-based control solutions for public cloud services have outlined the cross platform compatibility in order to discriminate with different private and public cloud platforms accessible globally. Security threats and vulnerabilities evolve over certain time to provide defensive actions or crime displacement or information security. This defines human manageability, process compatibility and technical supportability to provide a comprehensive information security solution.

One of the major challenges in incident handling is cloud organization that targets the data as it has Intellectual Property Rights to determine the unauthorized access and customer modification and other sensitive data. Besides, data evidential attempts to erase and associated with current or past security incidents that have digital forensics relatively increased the significances of information and communication technologies (ICT) in daily use. Thus, the concept of digital forensic is based on digital evidence that plays a key role for both civil litigation and criminal investigations in cloud-enabled big-data networks.

**Proposal Keywords**

Information Security, Big-data Computing, Threats and Vulnerabilities

**Thematic Issue Type**

Full-length thematic issue

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7 Nos.

**Tentative Date of Submission**

17 – Nov – 2019

**Detail of Article**

# 1

**Title of Proposed Article**

Resilient Architecture for Forensic Storage in Cloud-Enabled Big-data Application Systems

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Detail of Article # 2
Title of Proposed Article: Digital Forensic Investigation Models for Cloud-enabled Big-data computing networks
Contributing Authors: Altan Kocyigit
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Detail of Article # 3
Title of Proposed Article: Cloud-enabled Big-data networking Challenges for organizational security functions
Contributing Authors: Yoney krisal Ever
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Detail of Article # 4
Title of Proposed Article: Cloud Based Big-data E-Government Framework
Contributing Authors: Doo Heon Song
Author Affiliation: Yong-in SongDam College, Republic of Korea

Detail of Article # 5
Title of Proposed Article: Forensic Analysis in Social Networking for Big-data Application Systems
Contributing Authors: Ho-Yeol Kwon
Author Affiliation: Kangwon National University, Republic of Korea

Detail of Article # 6
Title of Proposed Article: Generic Big-data Development Process for Cloud-enabled Computing Networks
Contributing Authors: Fadi Al-Turjman
Author Affiliation: Antalya Bilim University, Turkey

Detail of Article # 7
Title of Proposed Article: Cloud-enabled Big-data Technologies for Industrial Internet of Things
Contributing Authors: Ram Krishn Mishra
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