

SPICE-2012

International Workshop on Security and Privacy in Cloud Environments

in conjunction with 3PGCIC-2012

Victoria, Canada – November 12-14, 2012

<http://www.ece.uvic.ca/~kinli/SPICE>

Workshop Co-Chairs

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Program Committee

An International Panel of Experts to be announced

Conference URL

<http://www.ece.uvic.ca/~kinli/SPICE>

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Important Dates

Paper Submission:	June 30, 2012
Author Notification:	July 8, 2012
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Conference Dates:	November 12-14, 2012

Introduction

Cloud computing has emerged as a core paradigm shift for providing Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS) solutions. Industries and governments are strongly interested in using cloud approaches to simplify and consolidate their IT systems and services, where this may be either through commercial cloud offerings or via private cloud instances. Core concerns though exist and remain with respect to the levels of assured security and data privacy that are enforceable via cloud technologies, which has delayed overall adoption rates. Clearly, as it matures, homomorphic cryptography may directly address many of these issues over the long run, but in the near and mid term more pragmatically deployable solutions are innately required.

Scope and Interests

This workshop focuses on security and privacy assessment techniques, and attack and data loss mitigation strategies suitable for deployment on today's cloud platforms and those of the immediate future. Of particular interest are research works that seek to provide quantitative assurances of the levels of security and/or data privacy that they provide. Original works addressing state-of-the-art issues in security and privacy in cloud computing environments are solicited in (but not limited to) the following areas:

- Assessment of privacy assurances within clouds
- Methods to assess private/proprietary data leakage within clouds
- Mitigation strategies for information leakage within clouds
- Assessment of assured levels of security within clouds
- Cloud-enabled moving target defense approaches
- Novel cyber-attacks against cloud instances/platforms
- Evaluations of commercial/open source cloud platform security/privacy

Submission Information

Original full paper of at most 6 (six) pages including figures and references in PDF (Proceedings Style: two columns, single-spaced, 10 font, page numbered) should be submitted through <http://www.ece.uvic.ca/~kinli/SPICE>. Submission of a paper should be regarded as a commitment that, if the paper is accepted, at least one of the authors will register and present at the conference. Accepted papers will be published by the Conference Publishing Services (CPS) and archived in the Digital Library. Extended version of selected papers presented at SPICE-2012 will be considered for publication in special issues of several international journals.