

A4Cloud Workshop on Accountability, Risk and Trust in Cloud Services (A4Cloud Risk Workshop)

in conjunction with Cloud Security Alliance EMEA Congress 2013

27 September, at the Balmoral Hotel, Edinburgh, Scotland

<http://www.a4cloud.eu/riskworkshop>

Accountability for Cloud and Other Future Internet Services (A4Cloud) is a European Seventh Framework Programme (FP7) collaborative project under Sub-programme Area “Trustworthy ICT.” The Project Consortium consists of 13 partners including academia and industry from eight European Countries. A4Cloud is a 42 month project started in October 2012.

A4Cloud Objective

Cloud and IT service providers should act as responsible stewards for the data of their customers and users. However the current absence of accountability frameworks for distributed IT services makes it difficult for users to understand, influence and determine how their service providers honour their obligations. A4Cloud will create solutions to support users in deciding and tracking how their data is used by cloud service providers. By combining methods of risk analysis, policy enforcement, monitoring and compliance auditing with tailored IT mechanisms for security, assurance and redress, A4Cloud aims to extend accountability across entire cloud service value chains, covering personal and business sensitive information in the cloud.

A4Cloud solutions will support service providers in preventing breaches of trust by using audited policy enforcement techniques, assessing the potential impact of policy violations, detecting violations, managing incidents and obtaining redress. A4Cloud aims to improve the acceptability of cloud-based infrastructures where critical data is perceived to be at risk. It will develop techniques for improved trustworthiness of cloud ecosystems as prerequisite for accountability. Therefore it will create policies and tools that enforce responsibilities while striking a balance between transparency and privacy, and determine issues and constraints for regulators, corporate and institutional service providers, users, and their end-users.

A4Cloud will have a lasting impact on the competitiveness of the European ICT sector by addressing major perceived barriers to trustworthy cloud-based services. These include concerns about complexity and enforceability of legal, regulatory and contractual provisions, socio-economic and corporate constraints, issues of trust for service-users such as risk-mitigation, privacy, confidentiality and transparency, and operational challenges such as interoperability and enforcing and monitoring compliance.

The Theme and Objective of A4Cloud Risk Workshop

A4Cloud Risk Workshop aims to provide a venue where technical experts and major stakeholders from the field exchange their views and best practices about the notions of accountability, risk and trust in cloud services, future Internet services and cloud service mashups. It is a major milestone for the requirements elicitation related to cloud risks in A4Cloud Project.

The Format and Tentative Agenda of the Workshop

The workshop will have four consecutive sessions. Each session will be 90 minute long and start with a 15 or 25 minute presentation provided by a technical expert from A4Cloud Consortium. After the presentations, the audience will be split into three syndicates of 9-10 participants, one moderator and one observer. Moderators and observers are from A4Cloud Consortium members. Then each syndicate will use focus group methodology to exchange their views and perceptions on the topic of the session in 75 minutes.

The minutes of the workshop will be reviewed by two external reviewers, and edited. The minutes including the presentations will be released to the workshop participants after the workshop. The detailed agenda of the workshop is as follows:

Time	Topic	Remarks
08:00-08:30	Registration	
08:30-08:35	Introduction of A4Cloud	
08:35-08:45	Introduction of workshop participants	
08:45-09:00	Presentation on top threats to cloud computing	Presenter and Session Chair: Erdal Cayirci, University of Stavanger. CSA's document on top threats dated Feb 2013.
09:00-10:00	Open discussions on threats to cloud computing Expected outcome: Risk perception analysis with respect to specific threats for cloud computing.	Register if there is any shift in risk perception by the stakeholders. What is specific about the cloud? Do stakeholders understand the different risks in the cloud?
10:00-10:30	Coffee Break	
10:30-10:45	Presentation about the use cases	Presenter and Session Chair: Jean-Cristophe Pazzaglia, SAP
10:45-12:00	Open discussions on: - The risk analysis of the use cases - Identification of threats with particular concern for the use cases - Deriving specific requirements for the use cases. Expected outcome: Partial risk analysis of the use cases.	After the plenary presentation, the workshop will be split to three syndicates (i.e., one for each use case). The risk analysis of the use cases will be based on the To-Be scenarios.
12:00-12:50	Lunch	
12:50-13:15	State of the art survey presentation on trust and risk modelling including risk and trust metrics	Presenter and Session Chair: Leonardo Martucci, Karlstad University
13:15-14:30	Open discussions on trust and risk modelling tailored for cloud computing. Expected outcome: Inputs from the stakeholders for cloud risk and trust models.	After the plenary survey presentation, the workshop will be split to three syndicates. The quantitative metrics should also be addressed during the open discussions.
14:30-15:00	Coffee Break	
15:00-15:15	Presentation about accountability based approach with respect to risk.	Presenter and Session Chair: Massimo Felici, Hewlett-Packard
15:15-16:30	Open discussion on which way an accountability-based approach change risk/trust in cloud computing, and the relationship between accountability, risk and trust. Expected outcome: Feedback on how accountability relates to risk and trust	Topics in this session will include risk and trust metrics for the accountability based approach.
16:30-16:45	Feedback from the participants	
16:45-16:50	Workshop Closure	

The Timeline for the Workshop

Dissemination of the Workshop Information Package:	Sep 14, 2013
Workshop:	Sep 27, 2013
Completion of the Workshop Minutes:	Oct 11, 2013
Review of Workshop Minutes:	Nov 11, 2013
Release of Workshop Minutes:	Nov 29, 2013

Registration

For registration, please visit <http://www.a4cloud.eu/riskworkshop>

The Organization for the Workshop

Co-chairs: Anderson Santana de Olivera, Erdal Cayirci
Editor for the workshop minutes: Erdal Cayirci
Reviewers: Maartje Niezen, Nick Papanikolaou