

Networking Session No. 77, ICT 2008

“Privacy, Identity Management and Dependability in Emerging ICT-based Interaction Scenarios: Trustworthy Fulfilment of Requirements beyond purely Technological Innovation”

Summary

Lyon, 2008-11-26, 15:30-17:00 CET

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1. Presenters

- Katja Liesebach (Goethe University Frankfurt / PICOS Project)
- Christian Kahl (Goethe University Frankfurt / PICOS Project)
- Markus Tschersich (Goethe University Frankfurt / PICOS Project)
- Massimo Felici (University of Edinburgh / InDeED Project)

2. Presentations

- **Introduction** (Katja Liesebach)
 - o Motivation for the networking session: Presentation and discussion of emerging IT-based interaction scenarios combined with recent results and ongoing activities from European research projects
 - o Objective: Discussion and exchange of knowledge and experiences in the scope of trust privacy and IdM aspects of future interaction scenarios
- **Climbing towards trust, privacy and identity management in emerging ICT-based scenarios: Requirements** (Katja Liesebach)
 - o Future forms of ICT-based interaction scenarios: General motivation and introduction
 - o The challenges to cope with trust and privacy issues in ICT-based interaction scenarios from the perspective of different stakeholders
 - o Introduction to the PICOS project as one approach dealing with trust, privacy and IdM issues in mobile and online communities.
 - o First endeavour that has already been accomplished: Building of scenarios and derivation of requirements as a prerequisite for the design and implementation of a trustworthy and privacy-respecting IdM platform. The presentation mainly highlighted the process of gathering the requirements from the different exemplary communities.
- **Climbing towards trust, privacy and identity management in emerging ICT-based scenarios: Architecture** (Christian Kahl, Markus Tschersich)
 - o Second endeavour and a step that is currently a work in progress: Describes the method to bridge the gap between the collected requirements and the technical architecture of the PICOS platform that is being developed. The presentation focussed on the aspect of refining and describing the requirements in order to identify the core architectural elements step by step.
- **Seeking an Experimental Approach to Trust: Multidisciplinary Perspectives** (Massimo Felici)
 - o Presentation regarding the concept of trust by choosing a multidisciplinary perspective.

3. Discussion and Outcome

- Directly referring to the presentation of Massimo Felici, the “nature” of trust and the possibility to measure or quantify trust was discussed. As trust was considered being a very

subjective construct, it can be measured only indirect at best e.g. by analysing people's behaviour and decisions.

- Following up on a question about the meaning of reputation within communities, the role of reputation systems as tool to respond to intra-group trust problems was discussed by the panel. The importance of reputation systems for putting short term decisions into a strategic context was emphasised.
- The structure of the requirements was explained in more detail, especially by giving concrete examples of identified requirements.
- The question was raised, whether use cases had been presented to the users. The panel detailed how the requirements had been collected in collaboration with members of the focused communities. It also explained that use cases had been identified, representing typical behaviours of these members. The importance of the "Contextual Framework" deliverable was highlighted for further information, as this deliverable contains scenario descriptions for each focused community.
- One participant asked, whether there were any user trials planned to collect feedback from the potential users of the PICOS platform. The panel emphasised that user feedback is and was an essential element during the PICOS platform development cycles. Therefore, comprehensive user trials were planned. The feedback is planned to influence the next version of the prototype so that the stakeholders and users are involved and in order to ensure that their requirements and needs are considered.
- A question was asked, regarding the disclosure of information in social networks in principle and what level of privacy the project expects to achieve for such communities. It was pointed out that at this early stage of research on privacy in communities it would be difficult to measure privacy levels and to target a particular level.

The goal of PICOS is rather to contribute in several ways to enhance services for mobile communities, especially with respect to privacy, identity management and trust. This is intended to be achieved not only by technical means and concepts but also by creating awareness for the relevance of such topics.

- A question was raised on the position of the PICOS Platform within the context of other Web 2.0 applications/services (e.g. if it is a community, meta-community or rather a mash-up). The panel outlined, that the PICOS Platform is not a community itself, but a framework that provides community-related services with respect to trust, privacy and IdM.
- One participant mentioned that people will have different ratings on requirements and asked how this is considered. The panel answered, that the PICOS project does not have the intention to search for appropriate weightings. These are individual decisions that have to be taken by the provider of the community according to the needs and interests of its target group. PICOS is rather aiming for a toolbox that the community provider can use to adapt its own community according to such requirements and needs.
- In conclusion it was agreed that the PICOS project is an important step towards privacy, identity management and trust in emerging ICT-based scenarios. However further requirements may emerge with the further development of communities, as communities and their relation to privacy, identity management and trust are not yet completely understood. Therefore future projects should like PICOS embody application scenarios that help to reality-check their theoretical findings and should also build on the approach of PICOS to include all stakeholders.

4. Further Information

- All presentations of the session can be downloaded from www.picos-project.eu
- InDeED Project Website: www.indeedproject.ac.uk
- PICOS Project Website: www.picos-project.eu