

Privacy Composition Policies for Older Adults in Geriatric Centers

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Abstract

Policy composition has been studied
Contributions of our approach
Provide a way to specify
- Purposes
- duration of validity for a “personalized” policy
- grantor/grantee, or licensor/licensee in a “personalized” policy
- resources in a “personalized” policy
Medical-scientific use case with a distributed architecture
Take into account the point of view of data producers (patients). This is
not frequently the case, in general, privacy terms are specified by institu-
tions that will use/collect data and data-producers only sign (i.e., one-way
policy terms)
Easy of use
More expressiveness
- in a triple of the form «s p o» where s (subject) is a licence, p (property)
are (among others) allows/prohibits/obliges and o (object) are terms (?)
organized in purposes, operations (legal terms ?). See figure
- say clearly that all other terms not specified are prohibited

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1 Introduction

2 Related Work

In the era of Web of Data, privacy is a relevant concern. The compatibility and composition of policies and licenses are topics

3 Our approach

We propose the next architecture

We established that every user must manage their own data. For this reason, every entity should create privacy policies for their electronic resources as simply as possible, and in a machine-readable format.

Figure X show the workflow of a policy (reference to emmanuel's diagram)

The algorithm we propose is...

4 Policies: an apply case of use

4.1 Usage scenarios

Every week a physician visit the residence to check the residents. He searches for the relevant data of each consulted resident, so he uses the system to get the information. The relevant information is related with vitals signs (temperature, blood pressure, pulse, weight, etc.), meals, medicaments, and, if it is the case, the anomalies or additional comments from caregivers.

We define some policies in the context of older adults in geriatric centers: a patient's policy, a scientist's policy and a residence's policy. We combine them according to the scenarios presented above. For the merge of two or more policies we use the next rules:

5 Evaluation

5.1 Experimental setup

5.2 Dataset

5.3 Results

6 Conclusions and Future Work

References

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