

Exploitation and Dissemination Activity Report

Type of the Activity:

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<input type="checkbox"/> Sharing results Activities
<input checked="" type="checkbox"/> X Training Activities
<input type="checkbox"/> Others Activities
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Summary of the Activity:

TAROT -- 16th International Summer School on Training And Research On Testing

Invited Talk

Speaker: Eda Marchetti – Isti CNR Pisa

Schedule: from 10 to 11.15 - 23rd of October 2020

Title Enhancing Authorization Systems with Data Protection Compliance

The General Data Protection Regulation (GDPR) defines the principle of Integrity and Confidentiality, and implicitly calls for the adoption of Access Control Systems for regulating the access to personal data. For this an essential step is to augment access control systems with concepts from the GDPR, and encode the most suitable provisions of the GDPR as Access Control Policies (ACPs). This requires organizations to deploy and test adequate fine-grained access control mechanisms. This talk explores the available proposals for the automatic enforcing and testing of the data protection regulations and discusses their main challenges.

Objective of the Activity

TAROT (Training And Research On Testing) is a network created to foster the mobility of students, faculty members and research scientists working in the field of testing of software and communication systems. This summer school brings together lecturers, researchers, students and people from the industry across Europe for one week of presentations, discussions and getting to know each other.

Meta Data of the Activity

Location	Porto Portugal
Link	https://web.fe.up.pt/~tarot2020/index.html
Duration	19-23 October 2020

Level of Impact	Around 40 participants (number of people or organizations that could get impact by the activity)
Other information	

Participants In the Activities and their Roles

Participant's Name	Organization	Role in the Activity
Eda Marchetti	CNR- ISTI	Speaker
Said Daoudagh	CNR- ISTI	PhD participant



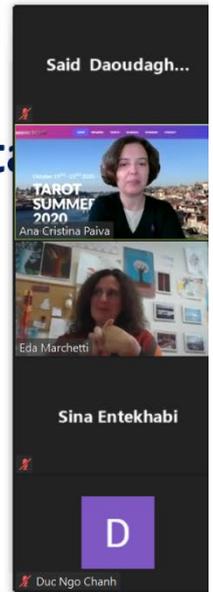
Cyber Security for Europe



Enhancing Authorization Systems with Data Protection Compliance

Eda Marchetti

Institute for Information Science and Technologies "Alessandro Faedo" (ISTI)
Pisa - Italy



Ciao



Eda Marchetti, senior researcher@CNR-ISTI-SEDC Lab

Background: Software Testing, in particular

- Privacy (GDPR) and security specification and enforcement
- Monitoring and testing of security and privacy mechanisms
- Model-based testing and monitoring
- SOA, component-based, cloud-based testing
- Business process modeling and testing



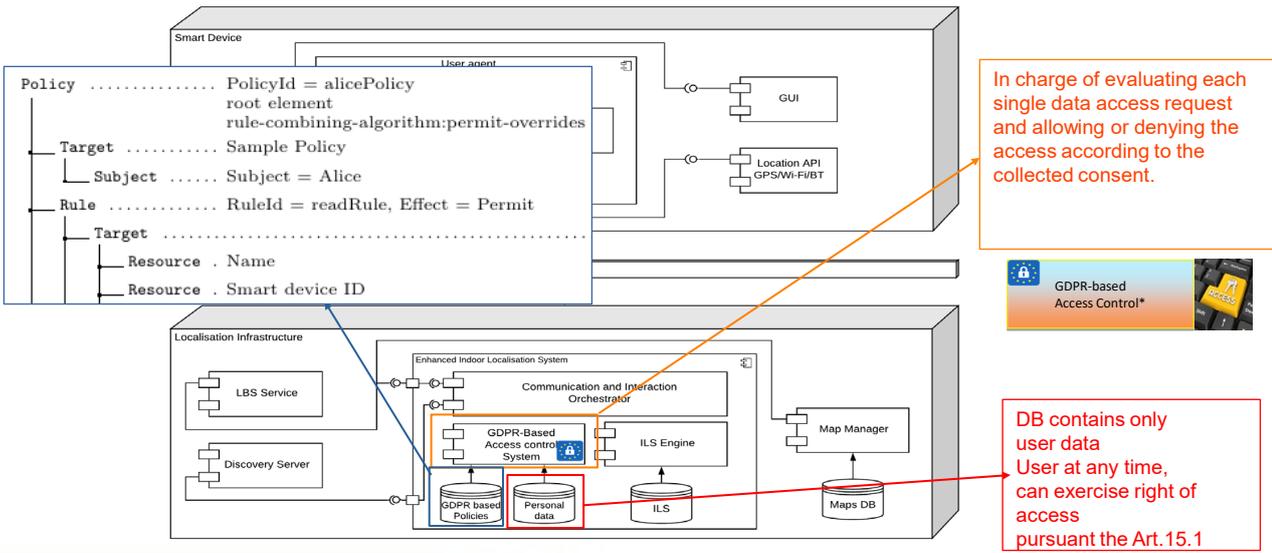
Access Control Development Life Cycle



How to Compose the Puzzle



Improved Architecture



Future work

- Improving telegram prototype
- Using GDPR-Based ILS for improving user experience with Covid-19 safety restrictions



I want to thank all speakers



General Chair
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Faculty of Engineering of the University of Porto, Portugal



Ana Cavalli
Telecom & Management SudParis, France



Anna Rita Fasolino
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