



FP7 Proposal discussion for Call 1

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SecurIST Networking session
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Multilayer Approach for Dependability and Security System

- System to be managed are getting more and more complex. Impossible to cover them with a unique level approach
- Additionally:
 - Different kind of control access or policies to manage the dependabilities and security properties of systems
 - Need a traceability/provenance of the actions taken
 - Need of a multilayer coherent management



Multilayer Approach for Dependability and Security System

Outline:

- Framework to integrate semantic/metadata to each protected information enabling the grant of a rule-based visibility (null/partial/full) depending on:
 - sensitivity of each piece of data,
 - profile of the requester,
 - security capabilities of the infrastructure,
 - current threat level
- Define mechanism to allow different planes of information with possibilities of:
 - Reasoning and conflict resolution
 - Manage inter-layer interactions and translation
 - Enforcement mechanism to manage the final systems
- Gaps:
 - Multilayer reasoning and information consistency

Potential research consortium

- Looking for a small consortia
 - Actually partners coming from DESEREC and POSITIF EU project
- Partners that could provide an added value:
 - Final users
 - Hierarchical composition of policies
 - Large scale distributed system coordination
- Any comment ideas send to:
 - skarmeta@dif.um.es
 - andre.cotton@fr.thalesgroup.com