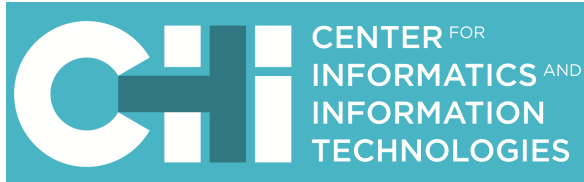


Data-Privacy Services in a Trusted Sky of Multiple Clouds

Computer Systems Research Group



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Objectives

- **Distributed Systems and Computer Networks**
- **Cloud Computing Security and Dependability**
 - Data-Privacy Solutions for Internet Clouds
 - Reliability, Availability and Privacy Under the User Control (Independence from Cloud-Providers)
 - Encrypted Processing on Cloud Encrypted Storage Solutions
- **Security and Dependability Services for Ad-Hoc and Sensor Networks**
 - Intrusion-Tolerance, Byzantine Fault/Intrusion Tolerance and Dynamic Recovering
 - Secure Routing Protocols for Scalable Ad-Hoc and Sensor Networks

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Methodology

Distributed Systems Design Principles and Paradigms

- System Modeling, Prototyping and Experimental Assessment
- System-Approach: Solutions designed with system-level criteria, tested with real use-cases and demo/validation applications

Methodology and development processes oriented to:

- Middleware Dependable Services for Internetworked Clouds
- Toolbox of Reusable Components and Stackable Services and Protocols for Intrusion-Tolerant Wireless Ad-Hoc Sensor Networks

Expected Results

- Results related with project initiatives:
 - **SITAN Project**
 - > <http://asc.di.fct.unl.pt/SITAN>
 - **TSKY Project**
 - > <http://asc.di.fct.unl.pt/SITAN>

Current Collaborations and Funding:

