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# SafeCloud



Secure and Resilient Cloud Architecture



@safecloudproject



SafeCloud Project

#### Motivation

Good infrastractures raise fundamental questions related to the privacy, integrity, and security of official data storage and processing tasks. There are major privacy and security concerns about data located in the closed, especially when data is physically located, processed, or must transit outside the legal justicition of its rightful owner. These questions are cannot by not answered satisfactority.

#### Objectives

SafeCloud will re-architect cloud infrastructures to ensure that data transmission, storage, and

- Partitioned in multiple administrative domains that are unlikely to collude, so that sensitive data can be protected by design;
- Entangled with inter-dependencies that make it impossible for any of the domains to temper with its integrity.

data management stack, from communication to storage and processing.

#### Partners



## Platform Components Self-Good developed restable components for receive All selects for closel composition

- Secure Communication
- Secure Precessing

#### **Products and Solutions**

#### CLOUD&HEAT

Crediblicat integrates energy efficiency with state of the art safe closel computing and sterage services. Clocalities emphasizes this efficient SafeCode project by Integrating the secun communication and secure sterage solutions of the SafeCode platform but in seve services.

## maxdata :

SaleCloud provides Haudats a disabase with secure query processing and secure strongs. With this solution, personal data is protected from potential adversaries such as cloud providers, hashars and unaufhorized government agencies.



deCloud project, Cybernetica expicees a novel multi-cloud secure querying solution.



the SafeCloud project. This start-up is developing a flexible cloud platform capable of different compressions between functionality, privacy, performance and scalability.

#### **Project Information**

Project Number: 633884 Project Coordinator: INESCTEC Scientific and Technical Director: UniNE Innovation Director: INESCTEC Execution Periodo 01/09/2015 - 31/08/2018 Budget: 6.3.3M Programme: Turns Research and Innovation

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