

PRACTICE

Privacy-Preserving Computation in the Cloud

PRACTICE is a key enabler for new business processes in Cloud Computing and introduces computation technologies that keep the used data secure. The fundamental technologies are:

- **Secure Multiparty Computation (MPC)**
- **Fully Homomorphic Encryption (FHE)**

The PRACTICE project aims a **secure cloud framework** that allows for the realization of advanced and practical cryptographic technologies providing sophisticated **security and privacy** guarantees for all parties in cloud-computing scenarios.

An advanced and comprehensive framework represents a key factor for the achievement of the following project goals:

- **Data confidentiality and integrity**
- **Computation on encrypted data**
- **Flexible architecture and tools**

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