ENCRYPT Platform

A privacy-preserving data analytics platform tailored for data owners, researchers and service providers.
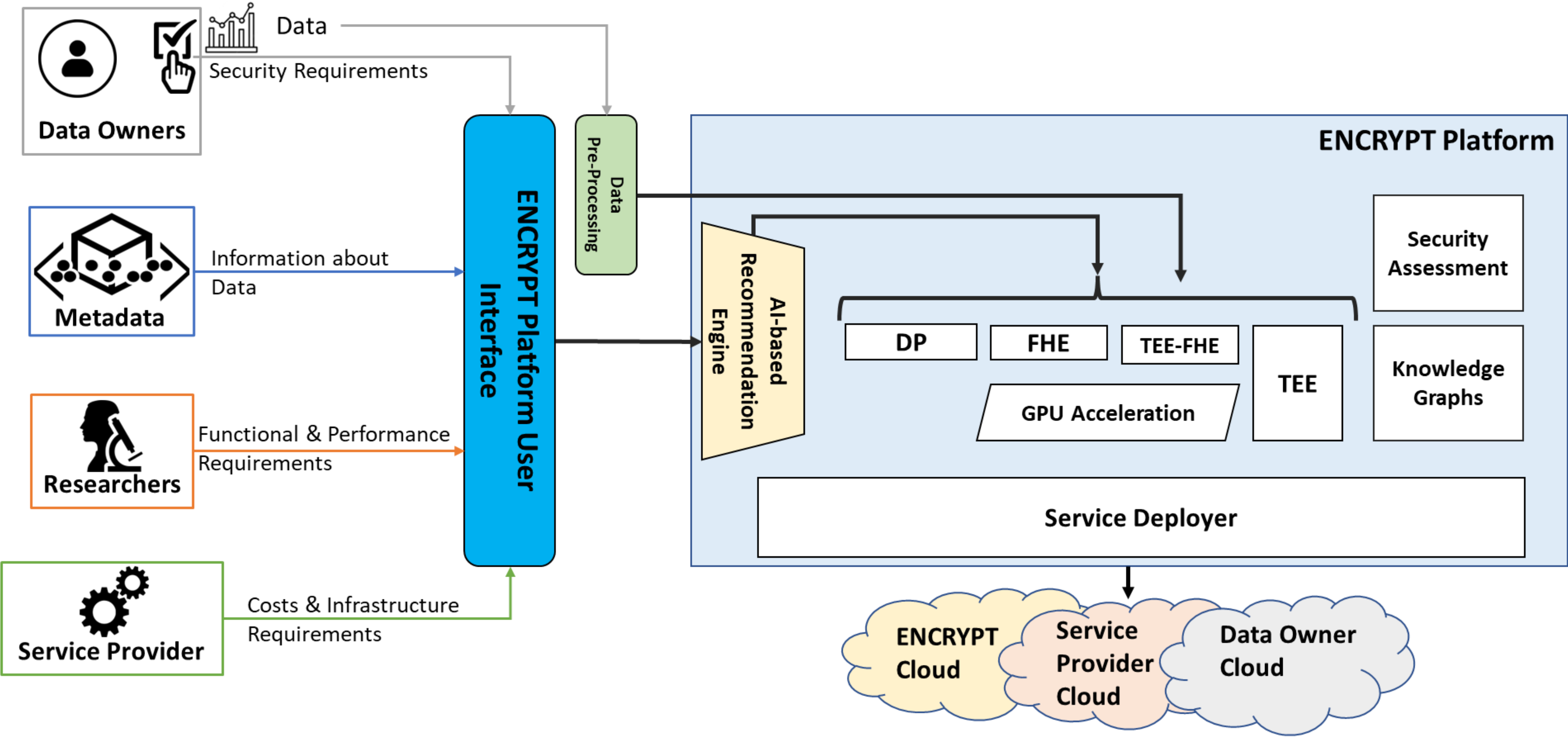
What Is the ENCRYPT Platform?

The ENCRYPT platform provides configurable, optimizable and verifiable privacy-preserving techniques tailored to the needs of data owners, researchers and service providers. It supports technologies like Fully Homomorphic Encryption (FHE), Trusted Execution Environment (TEE), Differential Privacy (DP) and their combinations (e.g., TEE+FHE), including GPU acceleration.

Platform Capabilities

Capability	Description
Configurable	Selects best Privacy Preserving techniques per context
Optimizable	Matches user-defined constraints (performance, cost, privacy)
Verifiable	Ensures reproducibility, transparency, and auditability
Accelerated	Uses GPUs to speed up FHE-based tasks

The data owner authenticates, records dataset metadata, and defines constraints and requirements. → The researcher authenticates, selects data, methods, and receives a recommended Privary Preserving solution. → The data owner is notified of the selected PP solution, pre-processes the data, and uploads it. → The researcher gets the result