

Enabling privacy enhancing computing on real world, PII/PHI

EscrowAI™ is a patent-protected, privacy enhancing collaboration platform that protects data sovereignty, individual privacy, and intellectual property at rest, in transit, and, uniquely, during the computing cycle. Our privacy protections enable computing on real world, clinical data and other privacy-protected information, eliminating the need for de-identification, freeing up the ability for multi-site collaborations on highly sensitive data.

EscrowAI security advantages

EscrowAI has the following important security features:

- The Data Controllers' organization retains full control of the data. With EscrowAI, data stays in the Data Controllers protected organizational infrastructure.
- Strong encryption protects data at rest, in transit, and in use. Data is encrypted with AES-256-based ciphers and all network connections use TLS 1.2.
- Data is protected in use. Data and algorithms are isolated within a hardware-based Trusted Execution Environment. Secure attestation ensures the authenticity and integrity of the TEE, and all process are isolated and occur within memory encrypted with hardware-based keys.
- Algorithm intellectual property is protected. Algorithm owners retain the protection of their intellectual property.

What's required to activate EscrowAI

A Data Controller must have the required Azure infrastructure to support data access and deployment of confidential compute TEEs within their hardened Azure cloud environment. BeeKeeperAI will be deploying a hybrid on-premise solution in Q1-'25.

The following is the one-time provisioning of Azure services in the Data Steward's Azure subscription that is required to allow EscrowAI to automate provisioning and decommissioning Trusted Execution Environments in the Data Controller's Azure subscription (including confidential virtual machines and confidential container groups).

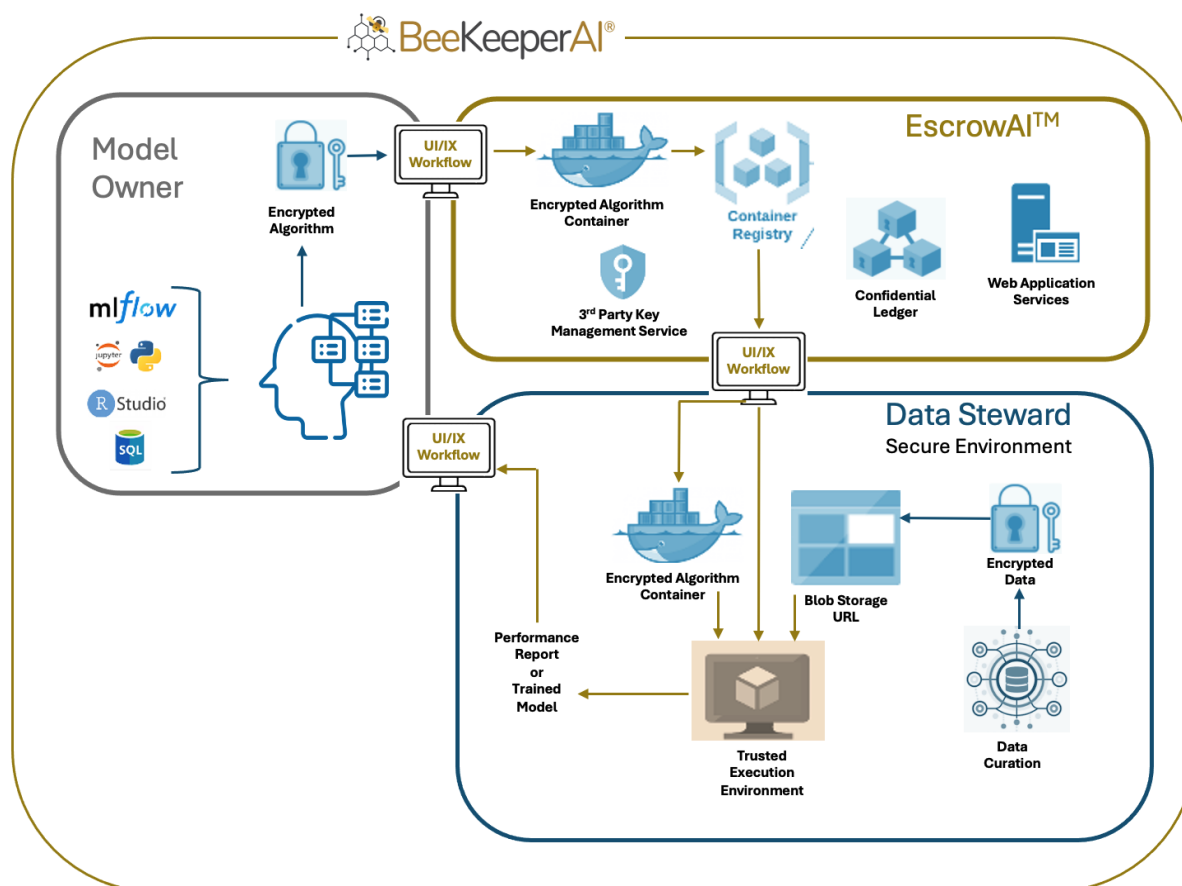


- Create a resource group for your Confidential Computing VMs
- Provision a VNET
- Enable Azure Resource Providers
- Import the EscrowAI application into Azure

This work typically requires a few hours to completed.

How EscrowAI works

The following collaboration workflow summarizes the user interfaces for the entities providing the data (data steward, controller, processor) and the algorithm developer/researcher.



BeeKeeperAI is a registered copyright of BeeKeeperAI. EscrowAI is protected by US patents 11,531,904; 11,748,633; 12,001,965; 12,099,630; 12,093,423; and other patents pending.