

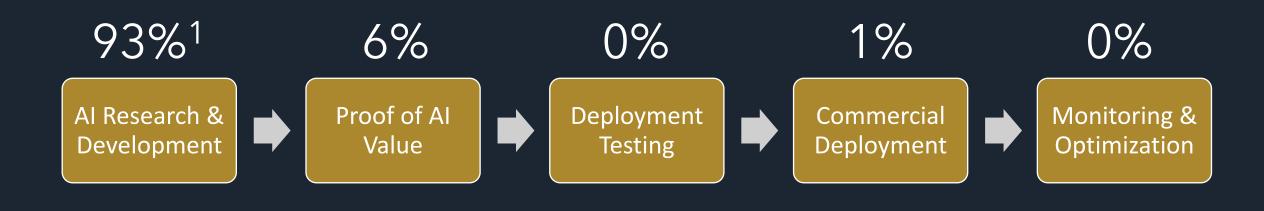
Enabling ethical & secure computing on PHI data

Fall 2022

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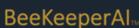
Healthcare AI is not reaching the bedside!



De-identified Data	Computing on Protected Health Information (PHI)
Data is Shared or Laked	Data and all computation occurs within the data steward's HIPAA compliant cloud environment
Signal Finding, Inference, Training	Validation, valuation, deployment & monitoring (inference and training are also supported by BeeKeeperAI)

¹The number of published biomedical AI studies within the phases of the AI development lifecycle

BeeKeeperAl_™





A confidential computing, zero-trust platform enabling sightless computing where:

- PHI never leaves the data steward's HIPAA compliant environment
- PHI is never seen nor shared
- Algorithm intellectual property is protected









Optimal use cases for BeeKeeperAl

Using protected health information (PHI) safely, securely, and ethically



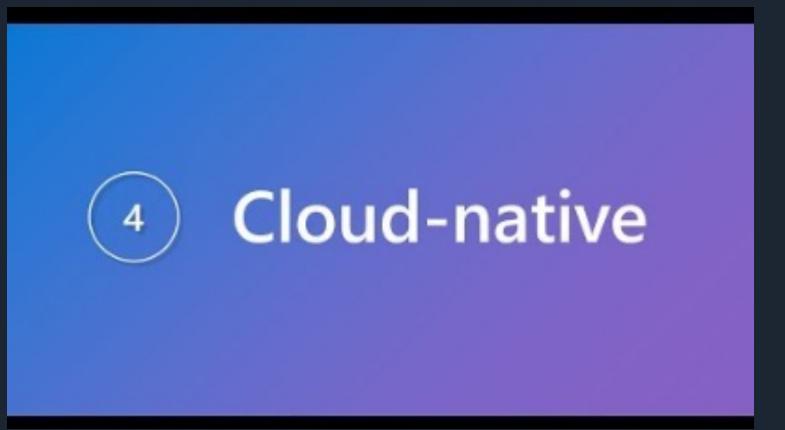
Optimal for any project requiring:

- Data that can not be de-identified (e.g., retinal images, genomic data, etc.)
- Data that is too sensitive to risk exposure (e.g., mental health, etc.)
- Small data sets that risk re-identification (e.g., rare disease)
- Data de-identification tools and effort would be cost prohibitive

"Without BeeKeeperAl we would not have the ability to test algorithms we believe can make a real impact for at risk patients and for the healthcare providers tasked with diagnosing and caring for them."

Robin Roberts, Co-Founder / COO & Head of Strategy Novartis Biome, Novartis Pharmaceuticals Corporation

SaaS application hosted in Microsoft Azure infrastructure

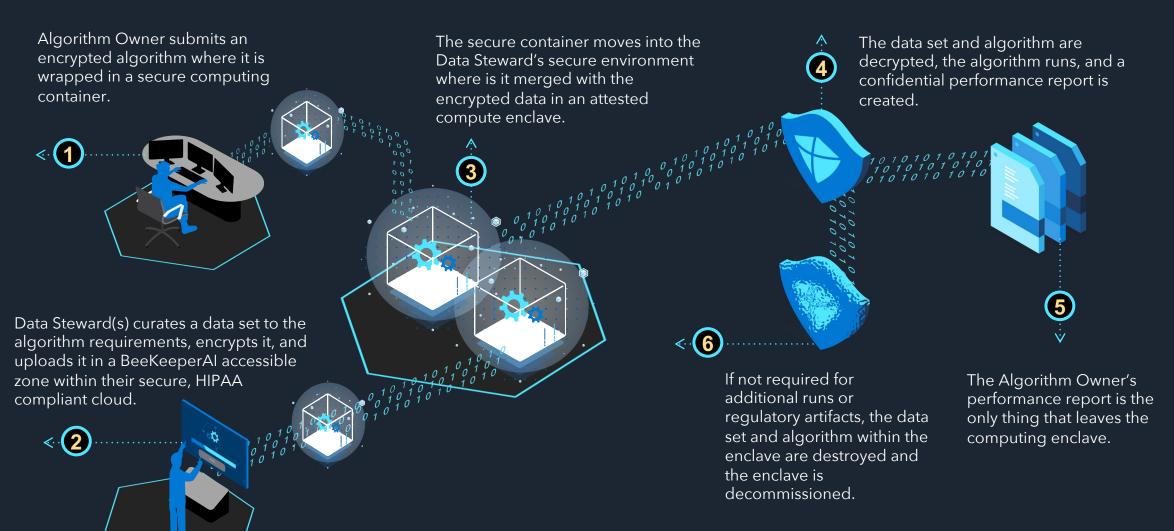






Satya Nadella Microsoft CEO Opening Keynote at BUILD 2022

Confidential, sightless computing infrastructure



Advantages: Easy to implement & highly secure



Azure Marketplace



A healthcare friendly, HIPAA compliant, confidential computing environment required to store data, transport the model, and access the Intel hardware.



Software Guard Extension (SGX) technology provides the processor-based vault where the algorithm runs against the encrypted data.



Marc d. Paradis, Vice President, Data Strategy, Northwell Holdings

Additional advantages



Let's change the future together.