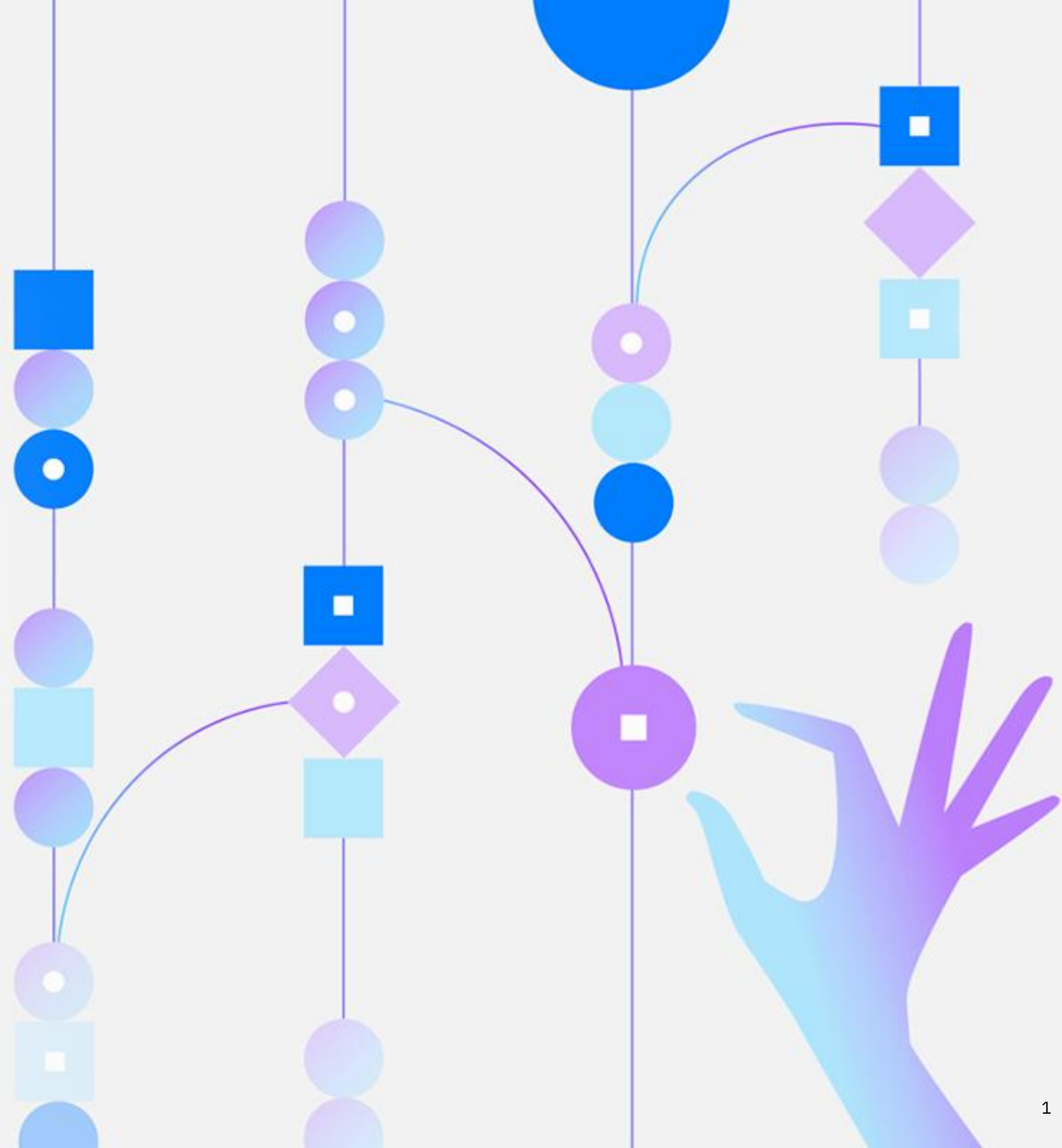




KYC-AI


# Accelerate KYx (Customer, Vendor, Counterparty) **investigation and reduce operational costs**

IBM Consulting, June 2025




# The case for change in Third-Party Risk Assessment and Due Diligence

## The Challenges | Hurdles in Corporate KYx Operations




### High Manual Review and Exception Handling

Rule-based engines lack adaptability and require manual intervention. Analysts spend excessive time validating discrepancies and resolving document issues.



### Lack of Intelligence and Learning

Traditional systems do not learn from past cases. Minimal use of AI/ML for dynamic risk scoring, behavior prediction or intelligent recommendations.



### Time Consuming EDD for High Risk Entities

Enhanced due diligence involves deep research. Lack of automated link analysis and poor graph data tools make this process slow and error-prone.

## The Impact | Slow process, high cost, Poor CX


### 30-50 Days

Average onboarding time for corporate clients ( target 1-2 weeks)

Due to manual document validation, fragmented system and complex tracing.

### Operational Cost

Due to lack of automation, manual EDD steps, repetitive tasks, document quality issues.



### Compliance Risk and Cost

Driven by poor audit trails, inconsistent risk rating updates, missed red flags due to fragmented tech.

**The Need** | AI-powered KYx process to transform high-cost, high-risk verification and due diligence flows across customers, suppliers, vendors, partners, and employees.

- ### Agentic AI for self adaptive workflows

1

Agentic AI automates navigating disconnected systems to verify customers, suppliers, and vendors instantly

Value: Reduce operational costs by eliminating time wasted by analysts.
- ### Guarantee Consistency

2

A single AI agent applies policy rules uniformly across all entity types, removing the variability and risk of human interpretation.

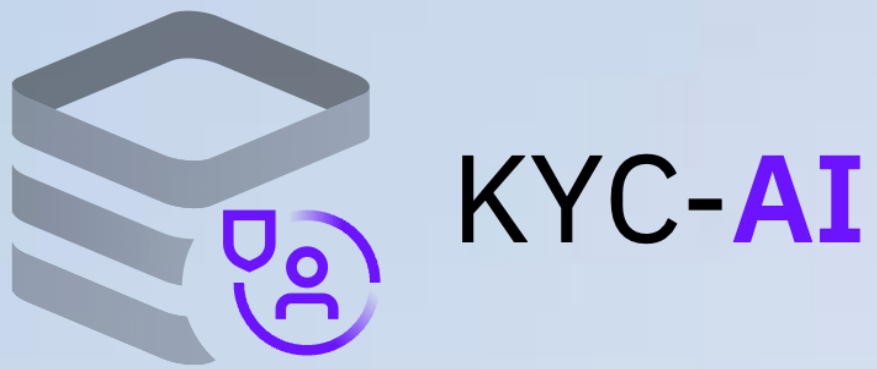
Value: Mitigate compliance failures, reducing the reputational risk
- ### Automate Repetitive Work

3

AI agents handle redundant data entry with perfect accuracy, freeing human analysts to focus on critical, high-value tasks.

Value: Boosts operational efficiency and eliminates costly human errors.





# An advanced Agentic AI accelerator to scale your compliance

IBM’s Agentic AI streamlines third-party compliance across customers, vendors, suppliers, partners and employees with a smarter, more transparent, and user-centric approach to due diligence.

## App Overview


KYx-AI is IBM's next-generation platform transforming Know Your X (KYx) operations — including KYC, KYV, KYS, KYP, and KYE compliance workflows. Generative AI and autonomous Multi-Agent Systems, the platform automates over 50% of traditionally manual tasks — onboarding, risk reviews and lifecycle monitoring for third parties.


Seamlessly integrating with existing systems, KYx-AI transforms compliance workflows into fast, accurate, and continuously improving processes. The result? Faster decisions, lower costs, and a smarter compliance engine — all with human oversight built-in.


### Use Cases


- Supplier & Vendor Vetting
- Energy Trading & Risk Management
- Partner & Employee Screening
- Customer & Investor Onboarding
- Lifecycle Monitoring & Risk Scoring


## Capabilities


- 

**Agentic AI System**  
State-of-the-art AI systems to produce high-quality reports
- 

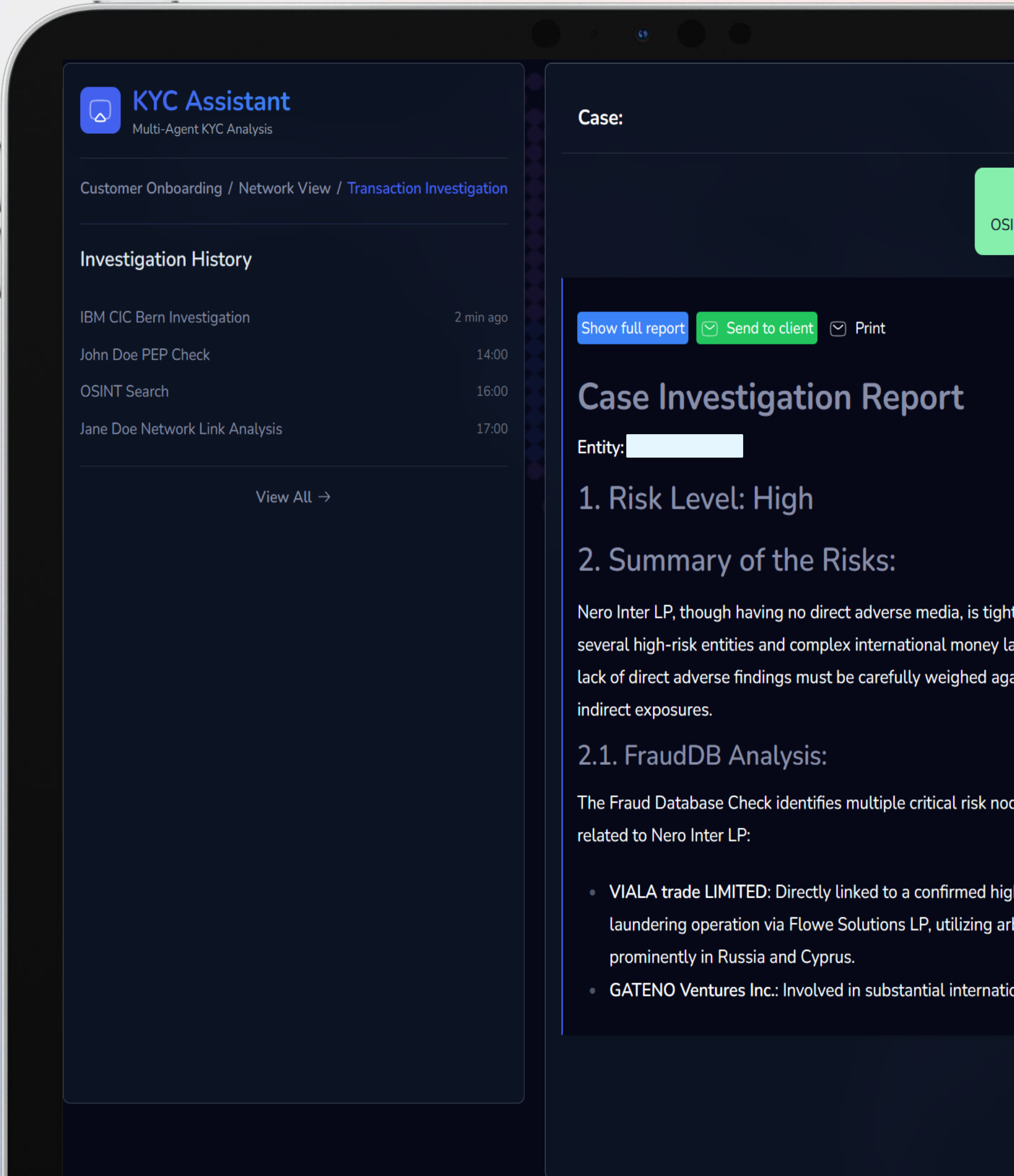
**Plug-In Capabilities**  
Integrate with case management, transaction monitoring, onboarding
- 

**Advanced RAG**  
System autonomously determines relevant contents from all inputs
- 

**Versatile AI Model Integrations**  
runs with watsonx.ai, AWS, Azure, Hugging Face, etc.
- 

**Customizability**  
every individual aspect of the application can be customized
- 

**Security, Compliance & Privacy**  
solution provides enterprise-grade security, privacy & compliance





# KYC-AI

## AI-Led Business Value Across Third Parties

Our AI platform automates KYx and compliance, accelerating third-party onboarding and ensuring continuous due diligence while significantly reducing costs.

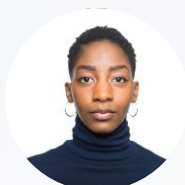
### Personas



**Daniel**  
Risk & Controls SME

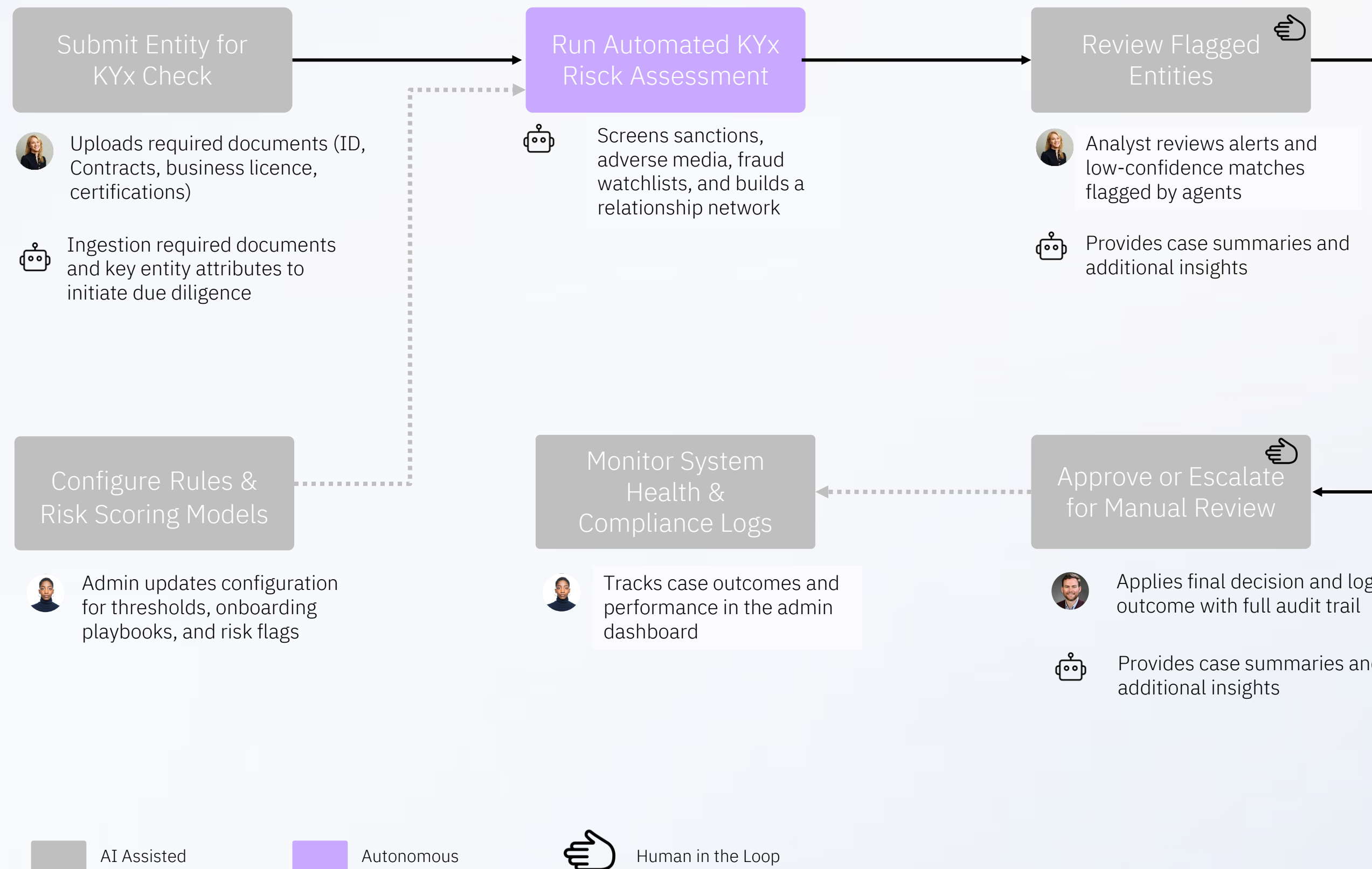


**AVA**  
Third-Party Risk Analyst



**Priya**  
KYx Platform Admin

### Workflow



### Benefits & Value

**60-80%**

Reduction in time spent on manual KYx reviews

**50%+**

Increase in analyst productivity, review and decisioning speed

**90%+**

Coverage in sanctions, adverse media, and PEP detection



#### Accelerate KYx

Speed up onboarding with AI-driven automation.



#### Continuous Monitoring + Due Diligence

Ensure long-term compliance with proactive case mgmt.

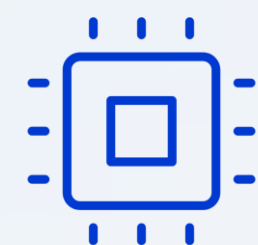


#### Unwrap Entity Relationship

Reveal hidden connections between entities and counterparties, suppliers and partners.

*\* This journey is illustrative, and will vary based on the client's specific requirement*

# Features and Innovations



## Accelerate Compliance with Confidence

KYx-AI reduces onboarding and due diligence timelines across third-party relationships — including customers, suppliers, vendors, partners, and employees — by automating up to 80% of routine checks using intelligent agents.



## Reveal Hidden Risks and Relationships

Surface complex third-party networks and detect links to fraudulent actors, disqualified vendors, shell entities, or sanctioned individuals using advanced network enrichment, OSINT scans, and continuous compliance monitoring.



## Adaptable, Scalable, Cloud-Ready

Deploy across any cloud provider with seamless integration into onboarding, supplier management, workforce risk systems, and case monitoring tools. Fully customizable to enterprise policies and data models.



## Automate with Oversight

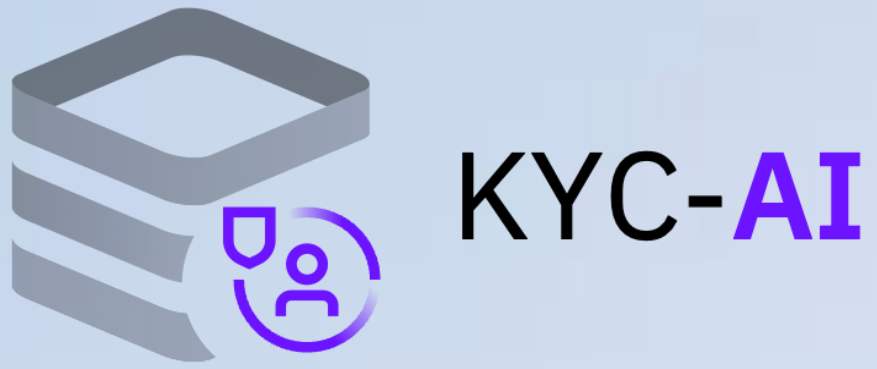
Ensure accuracy, explainability, and auditability through a human-in-the-loop workflow, customizable playbooks, and traceable agentic investigations.



## Reduce Cost and Compliance Risk

Minimize manual effort, reduce compliance headcount strain, and cut costs linked to slow onboarding, fragmented third-party data, and regulatory exposure..





# KYC-AI

## 5 Key Features

KYx-AI delivers a powerful set of features purpose-built to accelerate, automate, and strengthen compliance across all third-party relationships.



Multi-Agent Orchestration for Compliance



Graph-Based Risk Detection and Network Analysis –including relationship mapping for customers, suppliers, partner and employees



Due Diligence Timeline and Case History – Track case progress, decisions, and escalations across all third-party types.



Interactive Case & Document Intelligence



AI-Driven Document Processing

### KYC Assistant

Multi-Agent KYC Analysis

Customer Onboarding / [Network View](#) / Transaction Investigation

#### Graph Filters

All Entities

Persons

Companies

Addresses

Visibility Distance

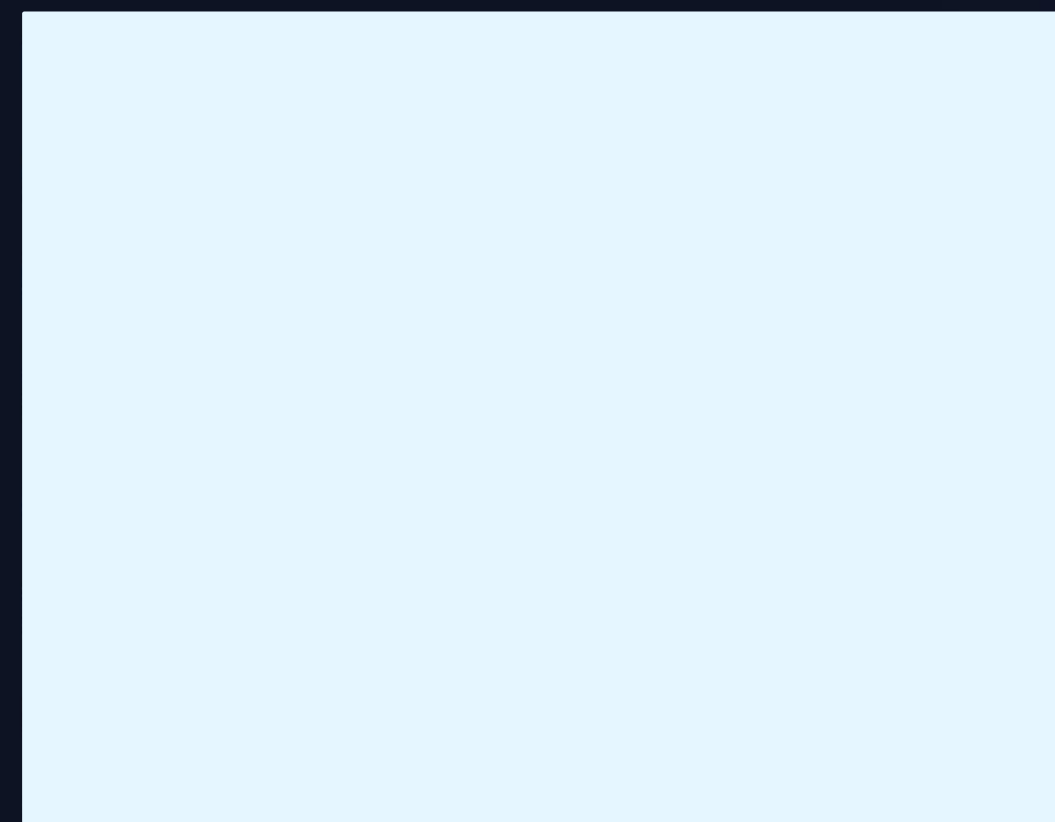
— 1 +

Mark Fraudulent:

Entities

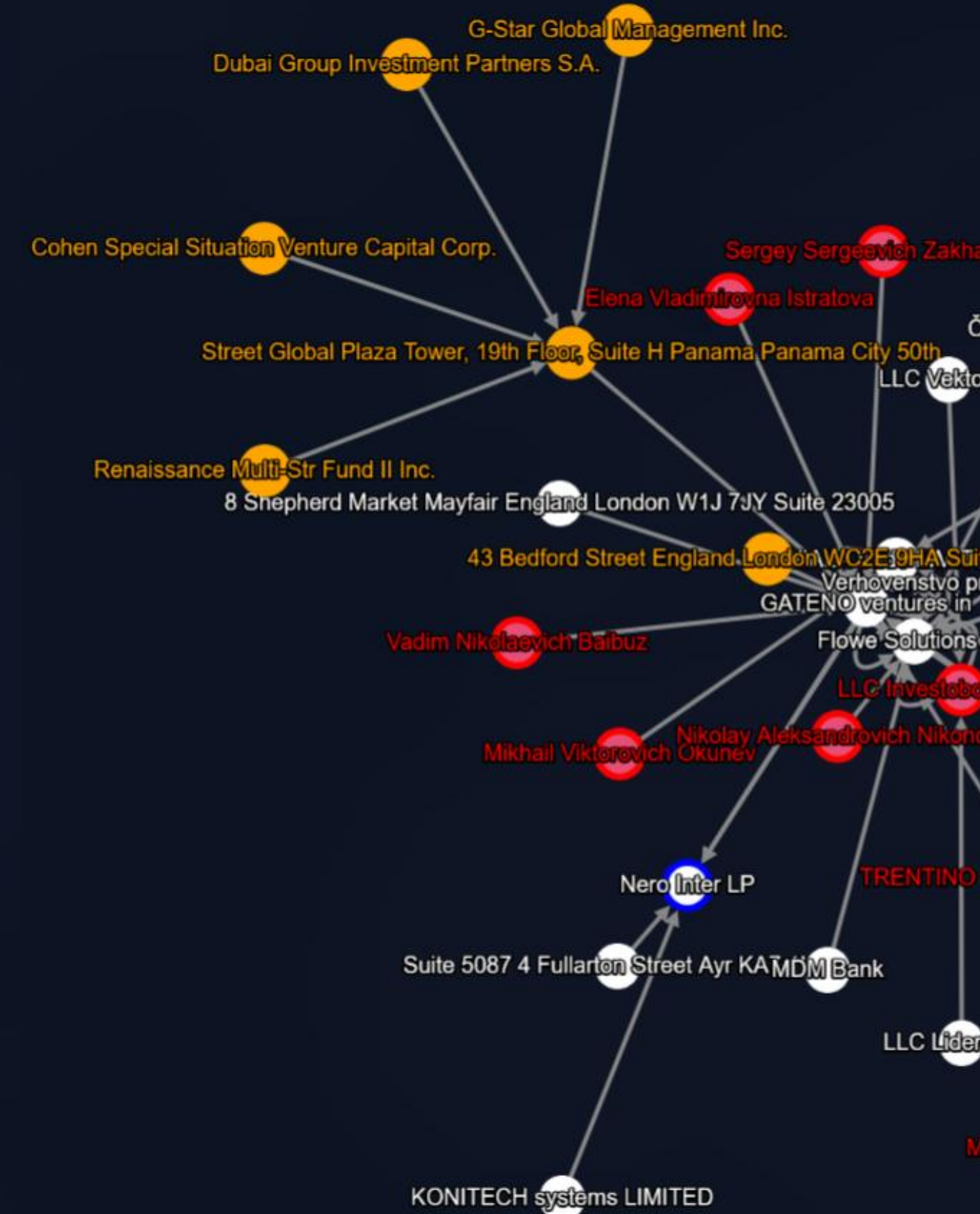
Connections

#### Due Diligence History



Entity: -

Select entity to view details



Risk Level

High


Medium




# AI App for Banking Operation

## Problem


When onboarding is delayed by incomplete data and missing documentation – it impacts everyone in the process:




Tina is the FA impacted by   
↑ time to revenue



Sam is the analyst impacted by   
↓ experience



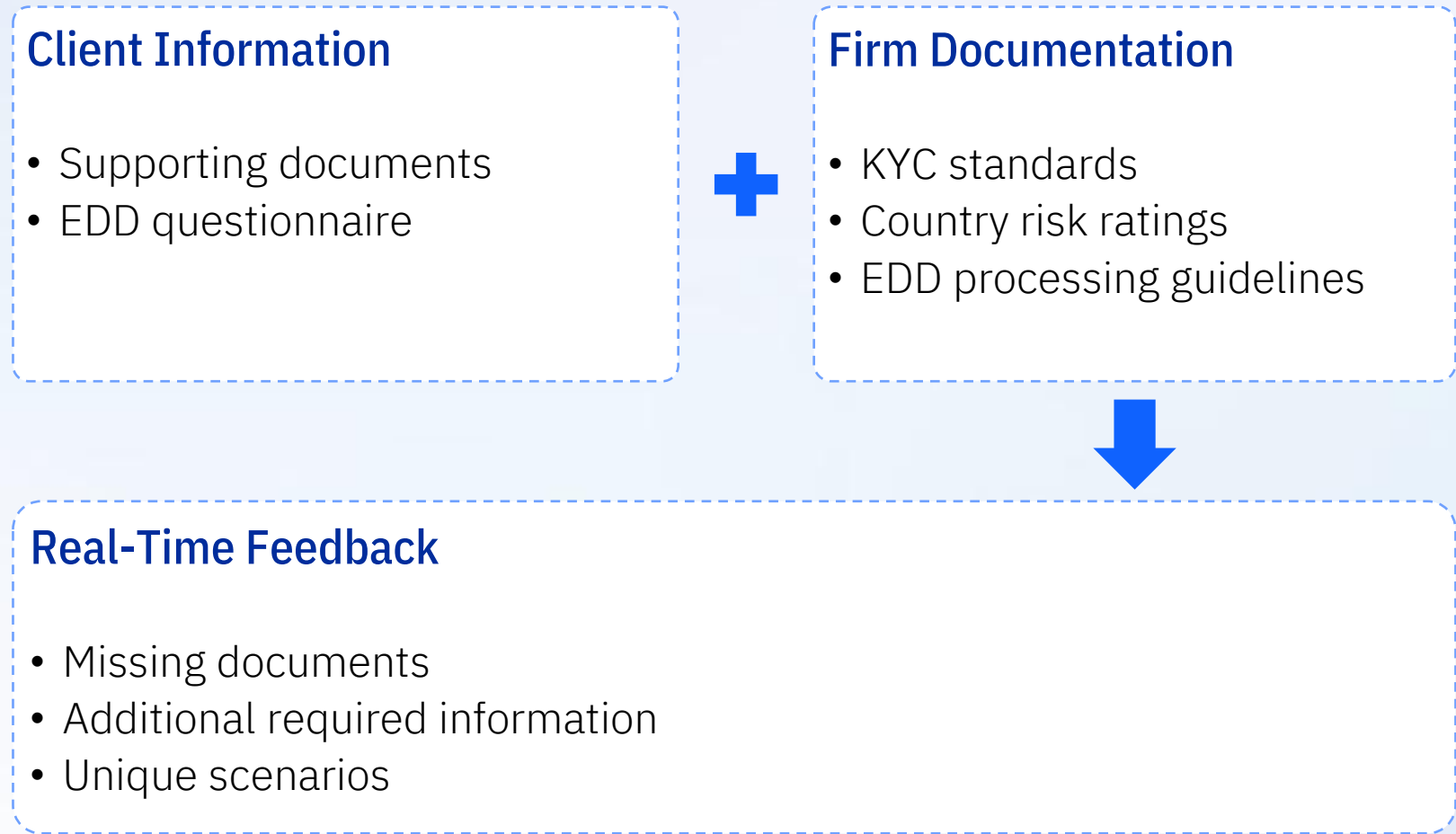
Grace is the customer impacted by   
↓ experience



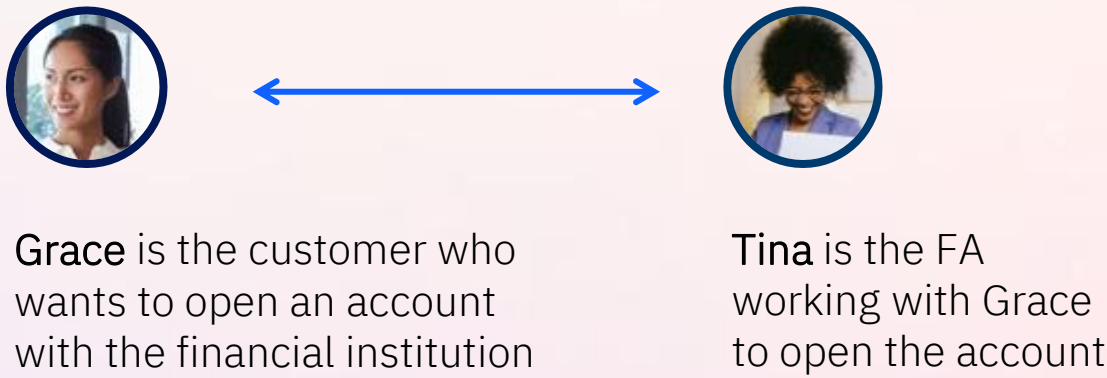
Jennifer is the team lead impacted with   
↓ quality

## IBM Solution

The AI Branch Assistant Validation does a preliminary check of the account information



The FA gets real-time insights on what to address with the customer prior to submittal



If approximately half of the ‘return-to-front office’ files are avoided

▼

50% ↓

Months to disposition

20-30% ↓

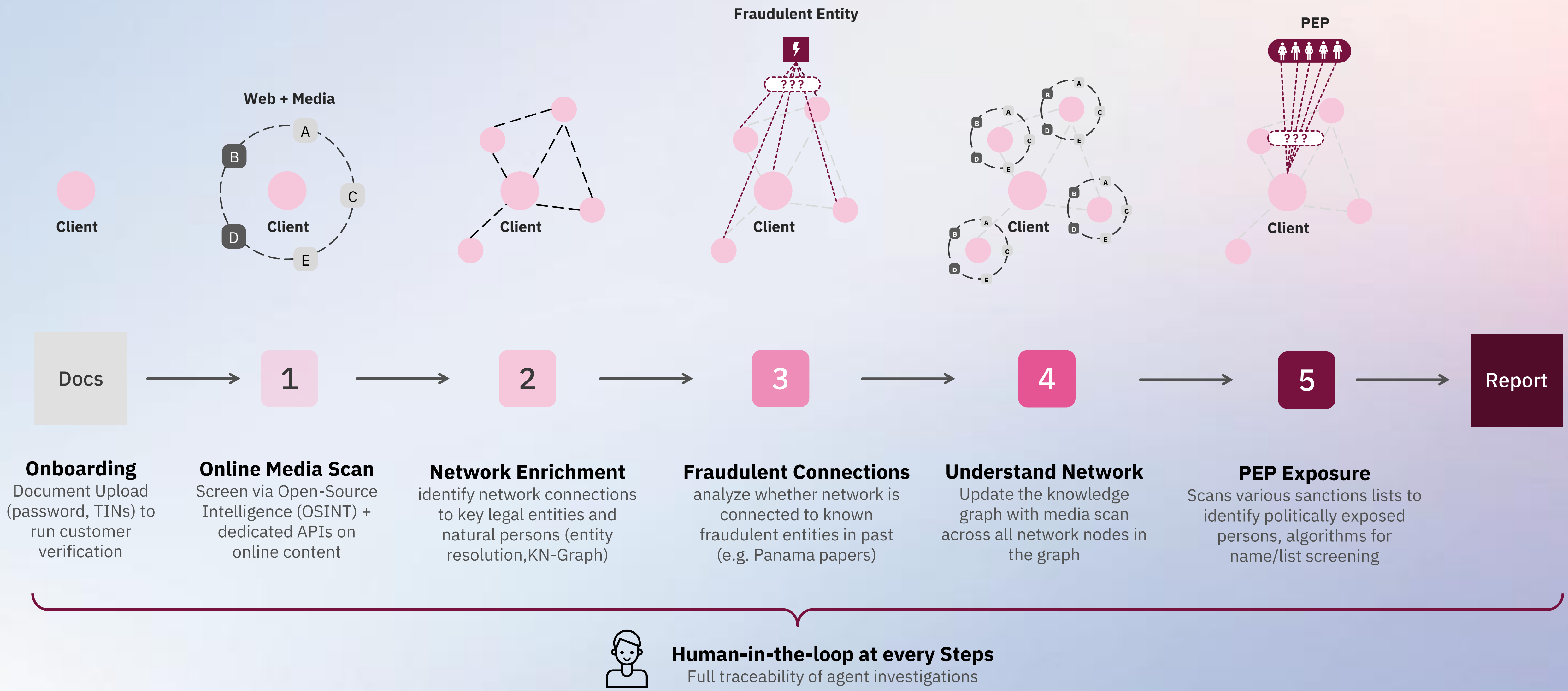
Rework reduction

~1 ↓

AML Review Touchpoints



# IBM's Agentic KYC Solution | Underlying Capabilities





### Due Diligence History

IBM CIC Bern Due Diligence	2 min ago
John Doe PEP Check	14:00
Collect Documents from Sara for OSINT Search	16:00
Jana Doe Network Link Analysis	17:00

[View All →](#)

### Prospect Customer:

Start Date: 3/7/2025



Placeholder for the main investigation results or data visualization.

### Report

[Show full report](#)

Type in the name of the person or company you want to investigate

[Include new KYC Profiles](#)

☒ Information Collection ☒ OSINT Search ☒ Network Link Analysis ☒ Fraud DB Check ☒ Contextual Understanding ☒ PEP/Sanctions Check ☒ Final Report

### Prospect Customer:

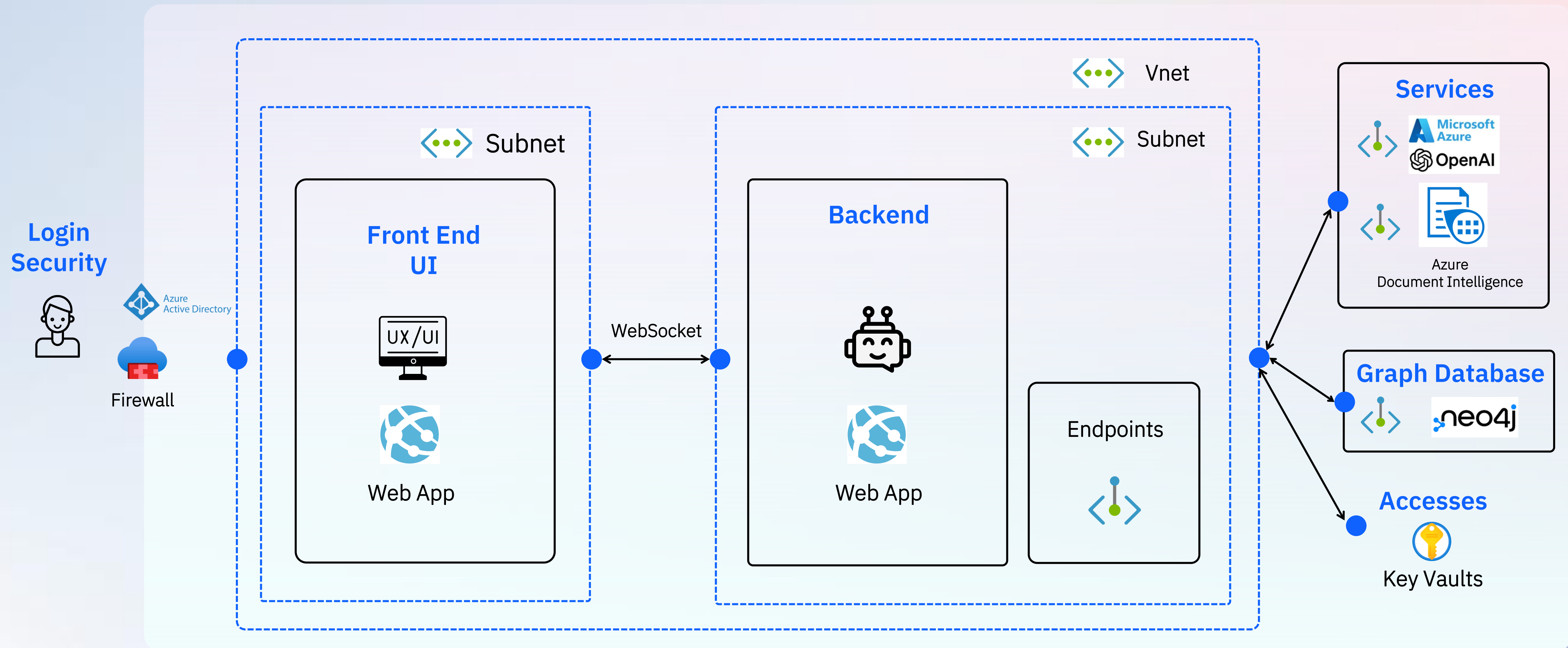
Registered Name: Incorporation Date:

Address:

Business Purpose:

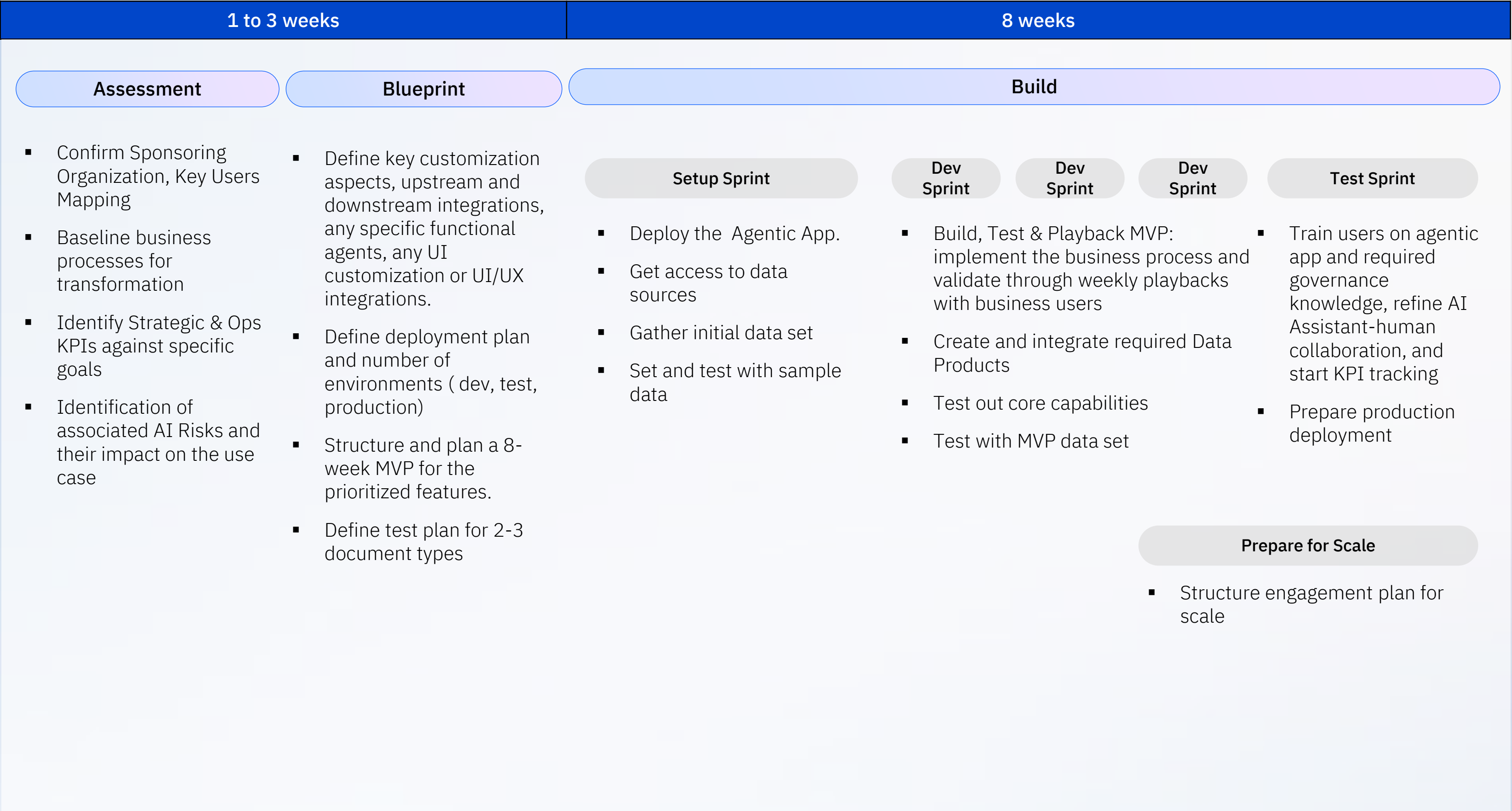


Our solution can be onboarded within any Cloud provider in a **Scalable, Secure** and **compliant** fashion.





# Indicative Delivery Timeline



## GenAI Assistants, Tools, Assets

- Agentic AI Readiness Score Framework
- ICA Assistant to classify process activities
- Mapping process mining metrics to Agentic AI Readiness Scores.

- ICA Assistant to generate first mapping to agentic architecture
- Agentic app Reference architecture

- Base App deployment code and containers
- GIT Repos
- Documentation and Deployment Guide

## Delivery Squad

- Delivery Executive
  - Agentic AI technical Lead
  - Technical Architect
  - UX Designer
  - Data Scientist
- AI Engineer
  - Full Stack Developer
  - DevOps
  - Test Specialist

## Assumptions and Dependencies

- 1 Setup and onboarding:

Environment access prior to project kickoff

  - Asset will be deployed in one development environment and availability zone
  - Azure resources provisioned
  - Required knowledge store finalized

IBM development team onboarded to environment within first week of project
- 2 SME time commitment:

SME input needed:

  - Data set knowledge
  - As is process and expected results
  - UI validation

SME feedback within three (3) business days
- 3 Base deployment:

  - Will cover core base features of the app within 8-10 week MVP
  - Following query types will need additional development effort
    - Tool integration like raising ticket in workflow tool like service or any other type of integration with external API
    - Hyper personalization by connecting to user data
    - Queries based structured data sources like data base
    - Complex queries which require custom calculation before responding to user question

Get in touch and find out more



**KYx-AI**

Find out more and request  
a demo in ICA4AA Agentic  
App Library

[Click here](#)



Read more about the  
technical documentation in  
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