

IBM z16 and AI

SOLVING ANTI MONEY LAUNDERING

Highlights



- Achieve low latency inferencing with first-in-industry IBM z16™ integrated accelerator



- Achieve high throughput while analyzing real-time transactions with IBM z16 on chip AI accelerator

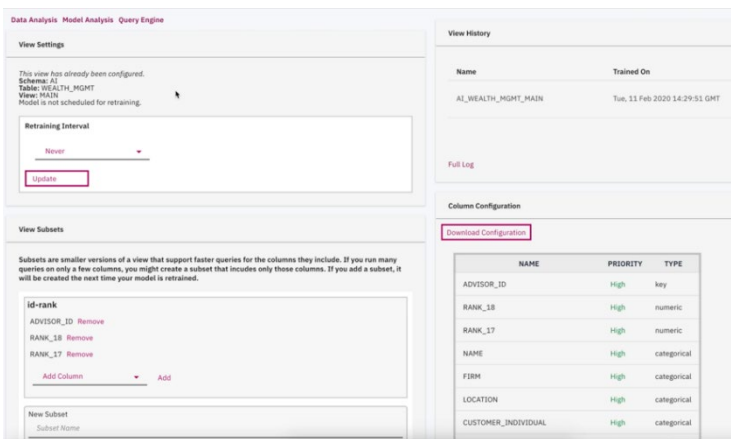


- Identify money laundering patterns without the need to deploy complex software

Anti-money laundering(AML) efforts consist of laws, regulations and procedures which are designed to prevent criminals from exchanging money obtained through illegal activities—i.e., “dirty money”—into legitimate income, or “clean money.” While money laundering is an international crime, many rules are local, and they can sometimes conflict with federal policies, making it very difficult for financial institutions to remain compliant with rules and regulations. Some banks have even decided to suspend services in countries that make it hard to stay compliant or have a reputation for facilitating money laundering.

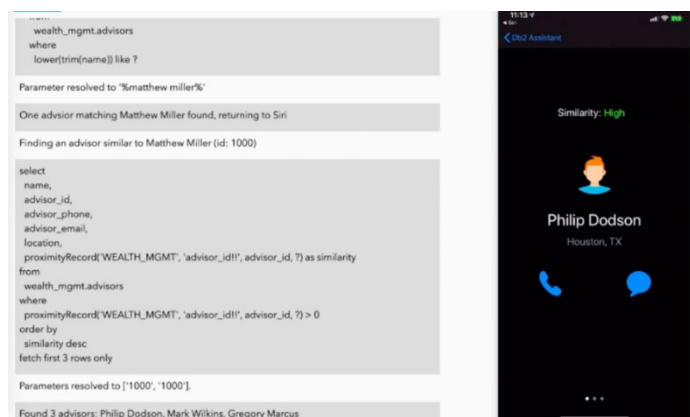
Using AI applications running on IBM z16, not only identify various money laundering patterns but also prevent them from happening in real-time.

Detect patterns easily



- Explainable AI – Understand why the models flag fraudulent transactions or account with SQL Data Insights
- Simplicity – Identify patterns with simple SQL knowledge and without the need for Data Scientists
- Federated Learning – Share AI models not data with other entities to improve model accuracy and enhance data privacy

- Train anywhere deploy on IBM z16 – Train the model on Public Clouds, Private clouds, On-Premises but deploy them on IBM z16 platform
- Enterprise-ready AI model deployment- Operationalize models within transactional applications to enable real-time insight. Choose from several scoring approaches, including RESTful APIs, Java™ and CICS® integration, optimized for the highest performance.



Advantages

-  Flexible and scalable platform to deploy fraud models and data
-  Score all transactions and leave none behind yet meet all stringent SLAs
-  Detect laundering, adapt more dynamically to all types of Money laundering and deter laundering in real-time
-  Data Privacy and Compliance across Geographies by sharing and improving on AI models rather than Data



SQL Data Insights

Non-realtime solution



Realttime solution



IBM Watson[®]
Machine Learning
for z/OS[®]

&



IBM
SnapML

Db2[®] for z/OS SQL Data Insights

Find patterns across various data using semantic, similarity, analogy and dissimilarity queries

AI on IBM z16 AML solution

Identifies various AML scenarios including scatter gather problem

Anti Money
laundering on
IBM z16

Scikit learn/ SnapML

Train models anywhere including IBM z16

Watson Machine Learning for z/OS

Deploy AML model trained anywhere on IBM z16 for inference

Want to know more? Contact aionz@us.ibm.com

Disclaimers: Cited by a third-party industry analyst.

AI on IBM z16 supports PyTorch, TensorFlow, Keras, Anaconda, Spark, and others