KYC models Ragnar Toomla TalTech / SEB

Landscape

Customer



- Multiple and duplicated information requests and points of contact
- Long onboarding process
- Time consuming renewals

Financial institution



- Increasing KYC costs
- Data quality
- Changing regulatory targets
- Risks of KYC failure
- Scrutiny by regulators
- Sub-optimal customer experience

Regulator



- Difficult to oversee individual FI approaches and processes
- Complex international standards
- Recent top tier banks' KYC failures

Financial crime becoming more sophisticated



De-risking trend

- Fl's opting to exit entire categories of customers
- Whole segments of consumers and entire product lines are being abandoned
- Safer to avoid high-risk clients altogether than to manage the associated compliance costs



- May lead banks to outlaw entire lawful industries
- Could force some of these entities and individuals to turn to service providers with limited AML capabilities or to the shadow banking system

In order to help ensure the future health and security of the financial system, it will be imperative for all players to work together

Typical customer on-boarding process



Source: Study on eID and digital on-boarding: mapping and analysis of existing on-boarding bank practices across the EU, 2018.

Example process in case of shared KYC utility



Source: Infocomm Media Development Authority of Singapore (IMDA). 2017



Source: Adl and Haworth 2018; Sengupta 2017

The SWIFT KYC Registry

A single source to share & collect your KYC data for Correspondent Banking



Industry Collaboration

Standardized baseline

Extensive information including legal entity data, ownership, client and product segments, detailed AML questionnaire, tax/FATCA/CRS information

Up-to-date information

Time-stamped data. Any changes are communicated in realtime to correspondents



Data verification by SWIFT

All data verified by SWIFT compliance professionals



Cooperative business model

Unlimited number of users, volume-based pricing and guaranteed maximum spend



Secure, user-control access

User Approved sharing of KYC data

SWIFT KYC registry for corporates



- 1. Bank X requires access and approaches the Corporate via the KYC Registry
- The Corporate receives notification that Bank X requests access to their KYC data
- The Corporate approves basic or extended access of Bank X ☑
- Access to data is unlocked on the KYC Registry
- A notification is sent to users at Bank X that KYC data has been made available by the Corporate.

The permission is valid until pro-actively revoked or surrendered.



Industry

Collaboration

D.KYC (Deloitte Know Your Customer)

Managed Services outsourced utility services, plus transaction tracking and CDD

Deloitte.

About

- Launched in 2018
- Provided by Deloitte Luxembourg
- Integrated managed service that combines numerous KYC/AML/CTF services, expertise, and workflow management.

Features

- Counterparty onboarding Initial risk scoring and due diligence
- Ongoing monitoring and due diligence
- Watchlist and adverse media screening
- Documents verification/qualification
- Oversight & Reporting
- Data hosted in Luxembourg

D.KYC operating model



External data

Singapore MyInfo Personal Data Platform



Source: https://www.slideshare.net/ISS-NUS/myinfo-product-journey-govtech-Singapore

Consent based data sharing



Now available at:



Освс







Jurisdictional

Source: https://www.slideshare.net/ISS-NUS/myinfo-product-journey-govtech-Singapore

Streamlining private sector services

Jurisdictional



Source: https://www.slideshare.net/ISS-NUS/myinfo-product-journey-govtech-Singapore

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MAS working with group of banks in Singapore to build joint KYC utility for countering money laundering and terrorism financing

Methods of detecting and preventing the abuse of the financial system cannot remain static, as criminals are constantly finding more creative ways to perpetrate crimes.

by Priyankar Bhunia - 27 October, 2017 in Cyber Resilience, FSI/Fintech, News, Singapore



In a speech delivered at the Association of Banks in Singapore (ABS) Financial Crime Seminar on July 2017, Mr. Chua Kim Leng, Assistant Managing Director, Monetary Authority of Singapore (MAS) talked about how banks can work smarter on the AML/CFT (anti-money laundering / countering the financing of terrorism) front.



Popular News



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Singapore's Bank Intel-Sharing Plan in Coma' on Cost Concern

By Chanyaporn Chanjaroen and Andrea Tan

October 12, 2018, 3:44 AM GMT+3

- Utility is meant to save costs of opening corporate accounts
- Costs of the plan exceeded expectations, MAS's Ravi Menon says



Ravi Menon on Oct. 13 Photographer: Seong Joon Cho/Bloomberg



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Design desicions

- 1. Mutualisation one single KYC record
- 2. Centralisation not decentralisation
- **3. Exclusion** of private individuals and private banking
- 4. Harmonised policy and operating model
- 5. Customer interaction by bank not Utility
- **6. Ownership model** separate company, with independent management. Banks will not have any ownership.

7. Adoption strategy

- ensuring ecosystem connectivity with other data sources
- ensuring the ability to ingest and output many different types of data formats
- exploring ways to increase adoption rate of the Utility, e.g. regulators mandating the use of the Utility



Evolution of digital identities

Centralized Identity	Federated Identity	User- centric Identity	Self- sovereign identities
Identity is centrally assigned by authority	Usage of multiple services with a single account	Focusing on the control of personal data by the user	Every person creates and manages their own digital identities
Ex: Assigning IP addresses in early 90s by IANA	Ex: Microsoft Passport	Ex: OpenID, Oauth, Facebook Connect	Ex:ID2020

Source: Allen 2016

1.1bn

people are unable to prove their identity.

WORLD BANK, ID4D Dataset

ID 20 20

Ten Principles of Self-Sovereign Identity

Self-Sovereign

Digital Identities

- **1.** Existence. Users must have an independent existence.
- 2. Control. Users must control their identities.
- **3.** Access. Users must have access to their own data.
- 4. Transparency. Systems and algorithms must be transparent.
- 5. Persistence. Identities must be long-lived.
- **6. Portability.** *Information and services about identity must be transportable.*
- 7. Interoperability. Identities should be as widely usable as possible.
- **8.** Consent. Users must agree to the use of their identity.
- 9. Minimalization. Disclosure of claims must be minimized.

10.Protection. *The rights of users must be protected.*

Source: Allen 2016

Self-Sovereign Identity model



Source: Ankur Patel, Principal Program Manager, Identity, Microsoft 2019

Opportunities

- person ultimately has full control
- increases the freedom of the individual
- trustworthiness no longer directly tied to local governments
- protection of privacy as an important design objective (GDPR)
- selective sharing of personal data with service providers follows the idea of data economy and privacy by default/design
- transparency created by self-governance could also strengthen the European digital single market by removing barriers of missing trust

Challenges

- challenge to offer solutions that help persons to manage the additional administrative efforts sufficiently comfortable
- protection of the privacy of persons
- difficulty of prohibiting profiling by third parties
- data formats and standardized interfaces for securely exchanging evidences and digital identities
- distributed ledger technologies have limitations in terms of speed and volume

Conclusion

- Less corruption, tax evasion, money laundering, and other criminal activities
- More consistent information
- Better information management
- Reduced risks
- Cheaper and easier to create new relationships