

SILENTDATA

Introducing SILENTDATA

Privacy-preserving open banking

June, 2021

Cyber and data privacy risk



Verifier

“Please prove that you meet our onboarding requirements, including identity and affordability”



Customer

“I’d prefer **not** to share my personal data...”

Cybersecurity Risk
Identity Theft,
Commercial
Sensitivity
GDPR

Privacy-preserving proofs for customer banking data

SILENTDATA enables governments, enterprises and financial institutions to receive privacy-preserving proof about customer data held in various siloed systems including open banking



Verifier

“Please prove that you meet our onboarding requirements, including identity and affordability”

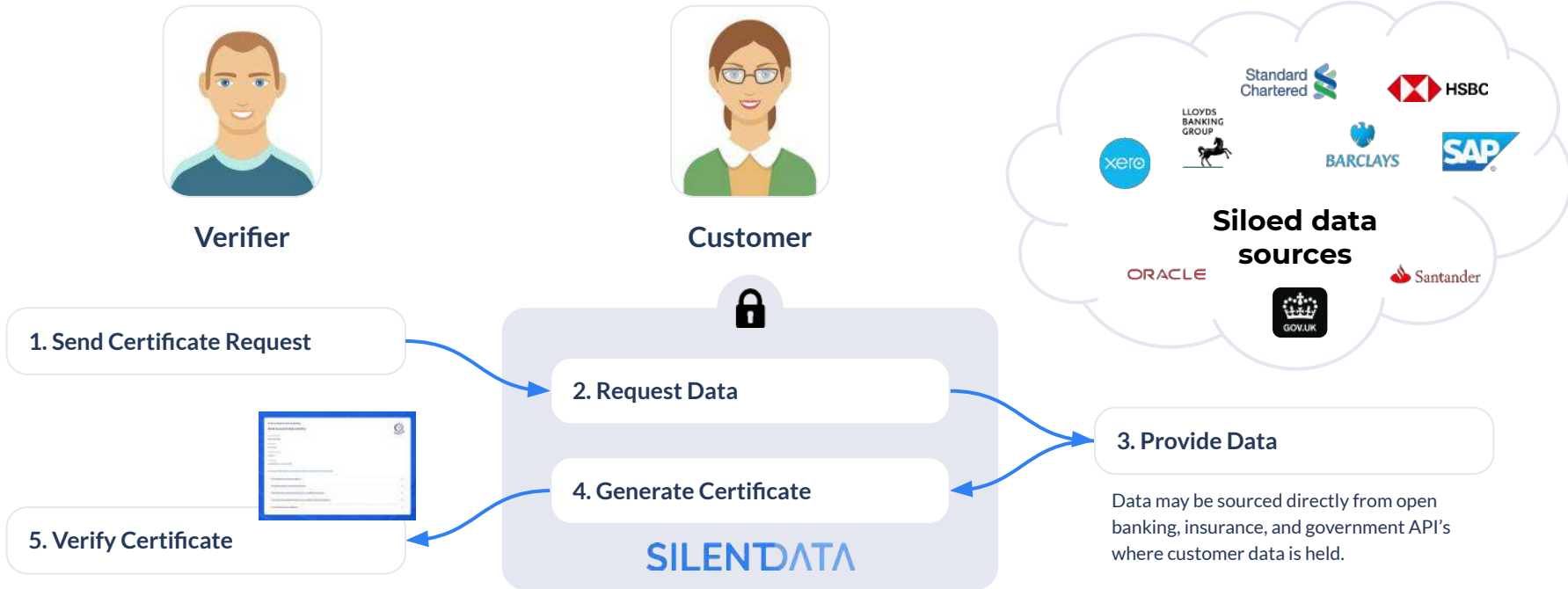


Customer

“Here’s privacy-preserving digital proof of data held at my bank, and government systems”



Reduced cyber and data privacy risk



Certificate may be verified offline, proving compliance with requirements, origin of data, and time of data retrieval.

Customer grants access to SILENTDATA "vault" to retrieve data and generate certificates for verifiers.

Privacy-preserving digital certificates

SILENDDATA

Proof Certificate

This digital certificate was created using a confidential bank account check

[Learn more](#)

[Download proof data](#) 

Proof of income

Consistent income over 3 months of £1000



This certificate confirms that in the last 3 months this bank account as received an income each month above £1000.

Account holder

MR ADI BEN-ARI

Institution

Santander (UK) - Personal and Business

Timestamp

23/04/2021, 14:05:59 BST

[See more information about the certificate and how it was created](#)

Proof that the certificate is signed 

Proof that the data came from the bank 

Proof that the processing took place in a confidential enclave 

Privacy-preserving digital certificates

Identity

Name, address, bank details match



Financial Confirmations

Confirm receipts of funds from third party bank account

Compliance

Proof that no transactions with AML watchlist entities



Customer

Check in advance that a party has the ability to pay



Proof of funds

Minimum account balance of £2,500

Account holder
Matics Limited

Timestamp
26/03/21, 11:41:56 GMT



Reduce your risk by ensuring that customers have sufficient income



Proof of income

Consistent income over 3 months of £1,500

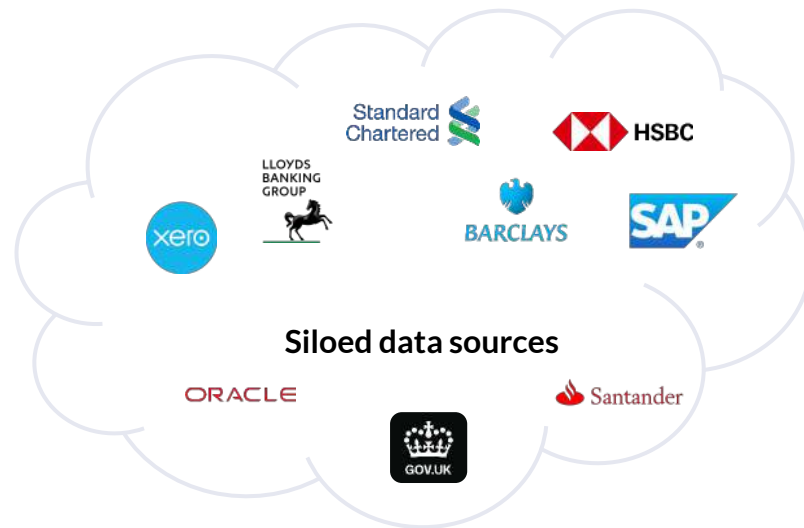
Account holder
Derryl Manfred

Timestamp
26/03/21, 11:41:56 GMT



Integration with existing solutions

- Compatible with existing web API's and siloed data sources such as open banking, insurance, accounting, ERP, and government systems
- No changes required to those systems for privacy-preserving certificates to be generated (standard web HTTPS and OAuth API's supported)



Competitive advantages

- SILENTDATA uses patent pending technology to enable confidential bank account checks that don't reveal personal and sensitive data, even to the platform host
- Maximum data privacy and verifiable proof
- SILENTDATA reduces cyber and lending risks for financiers
- Certificates are verifiable offline, or even in a smart contract

International standards and affiliations



Applied Blockchain is signed up to World Economic Forum Presidio Principles for blockchain solutions



Applied Blockchain is a member of the ISO/TC 307 Blockchain and distributed ledger technologies working group



Silent Data follows OPAL data privacy principles developed by MIT, described in "Trusted Data: A New Framework for Identity and Data Sharing"

Achievements

Selected as a top 30 solution by the Bank of International Settlements (BIS) in their 2020 TechChallenge showcase



Selected for the 2020 UK Financial Conduct Authority (FCA) Digital Sandbox Pilot



SILENTDATA



Company overview

“Enabling exchange of information with added trust and data privacy”



Adi Ben-Ari
Founder & CEO

Summary

Founded	2015
Employees	30
Headquarters	London
Field of Business	Blockchain Technology
Product Focus	Confidential open banking

Funding history

2017	£1.5m	Shell, Calibrate
2020	£2.25m	QBN Capital, Calibrate

Applied Blockchain was invited to advise the UK Government at the Houses of Parliament, House of Lords, Department for Culture Media & Sport, and UK Export Finance and was selected as Industry Representative at the inaugural All-Party Parliamentary Group (APPG) on Blockchain.

Applied Blockchain is currently participating in the FCA Digital Sandbox: <https://www.digitalsandboxpilot.co.uk/>

Management team and board



Adi Ben-Ari
Founder & CEO



25+ years leading enterprise software projects in banking, energy, telecoms



Francesco Canessa
CTO



15+ years leading technologies. Serial winner of banking hackathons



Andrew Campbell
Head of Architecture



15+ years leading enterprise client engagements



Mario Gemoll
Head of Product



12+ years leading deep technology projects. M.Sc. University of Oxford



Andy Tung
Advisor, QBN Capital

Board member at Standard Chartered Bank, Cathay Pacific, Orient Overseas Container Line, Hong Kong Logistics Development Council, former CEO at OOCL



Frank Tong
Advisor, QBN Capital

Former Global Head of Innovation & Strategic Investment at HSBC, former CEO of HK ASTRI. HKMA



Philea Chim
Board, QBN Capital



Keith O'Neill
Board, Shell

Company

Long term relationships, from the most innovative startups to the largest global enterprises



"... together with our partner Applied Blockchain"

Ben van Beurden
CEO at Shell



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Find out more about our products and services

 appliedblockchain.com

 info@appliedblockchain.com

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