FORTYTWO

BRINGING IDEAS TO LIFE

QUANTUM-SAFE DIGITAL TRUST PLATFORM

- Cryptographic Identity.
- Zero Trust Access.
- Secure & Provable Operations.

DIGITAL TRUST is the measure of confidence users have in an enterprise's ability to:

- Keep them safe & secure from cyber threats.
- Provide privacy & provability in digital interactions.

π-CONTROL is a cryptographic identity based platform:

- To ensure secure & provable digital operations.
- Helping Banks, Governments & Enterprises to build & deliver digital services securely.

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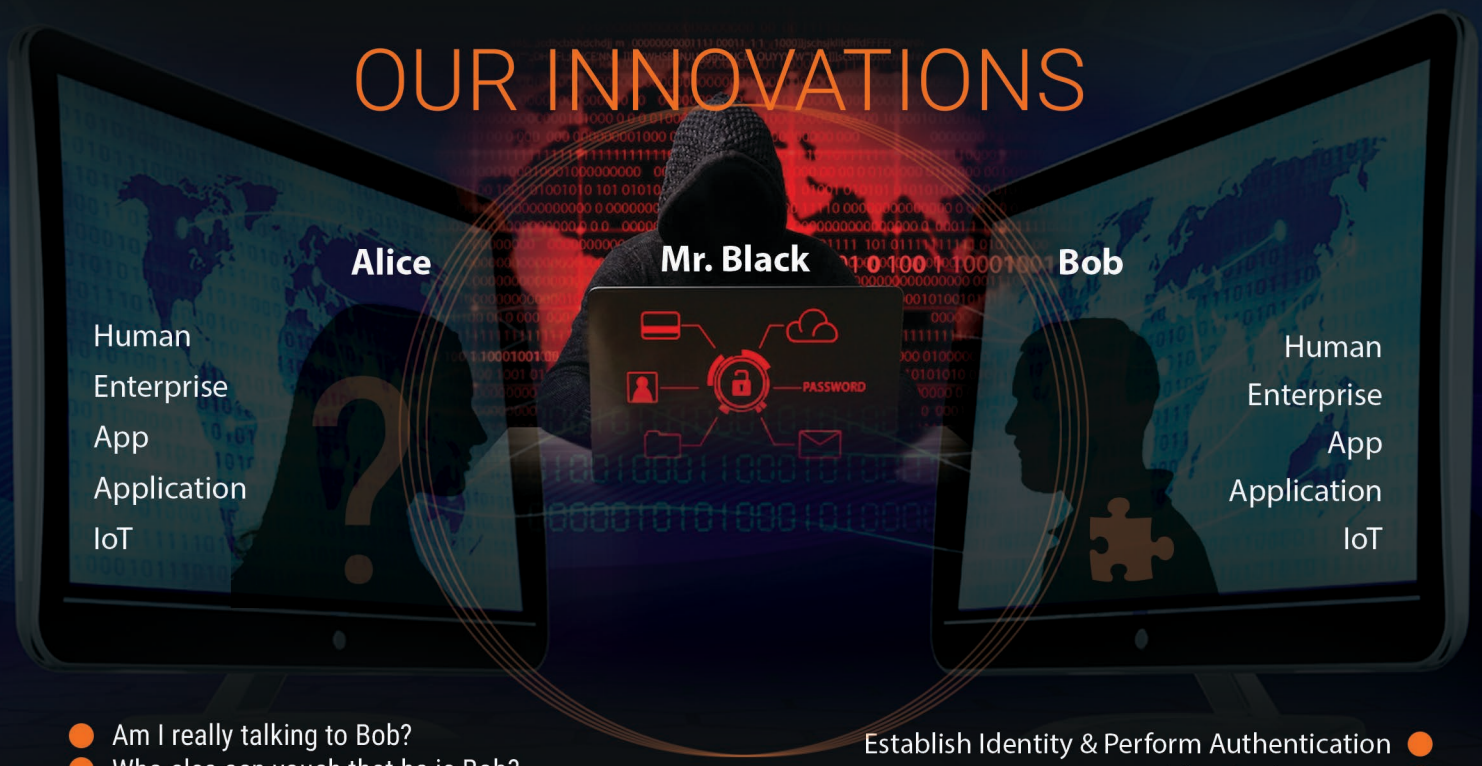
OUR INNOVATIONS



- Am I really talking to Bob?
- Who else can vouch that he is Bob?
- Can anybody else listen to what I need to tell Bob?
- Is the information reaching to Bob the way I am sending?
- Can I prove that it was indeed Bob who sent this info?

Establish Identity & Perform Authentication
Identity Assurance
Confidentiality
Message Integrity
Non-repudiation

PILLARS OF DIGITAL TRUST

Digital Identity

The ideal identity model should be provable, tamper-proof, unique, portable and most importantly in control of the representing entity

Secure Access

Given the explosion of services, blurring digital boundaries the need is to have perimeter-less and all-pervasive zero trust access.

Provable Operations

Non-withstanding the compliance and regulations if every digital operations is provable the trust in the ecosystem goes up manifolds.

1 I-AM® CRYPTOGRAPHIC IDENTITY TECHNOLOGY

Re-imagining the digital identity as Sequence (hash-chain) of events rather than static contextual identifier

Identity for Everybody (Humans/Enterprises) **and Everything** (Apps/API/Devices/Things)

Birthdate verified by school → TaxID veriied by govt. → Biometric verified by bank A → Email verified by bank B → Mobile Number verified by Telcom

TIME →

- TAMPERPROOF
- UNIQUE
- SELF-SOVEREIGN
- PORTABLE
- PRIVACY
- DYNAMIC
- PARTICIPATIVE

2 ACCESS42 – ZERO TRUST ACCESS TECHNOLOGY

VPNs are thing of past, also one cannot have all assets (e.g. APIs) protected through VPNs.
ACCESS42 makes sure all of your resources are DARK and are only VISIBLE & ACCESSIBLE to authorized users.

Internet works in paradigm of
FIRST : Connect & then
SECOND : Verify

RESULT:
Anybody including attacker can connect. Resulting in continuous increase in the attack surface

We change paradigm to
FIRST : Verify & then
(quantum-safe authentication)
SECOND : Connect
(Form end-to-end encrypted tunnel)

RESULT:
No one but only the verified users from authorised machines are allowed to connect and access their permitted digital assests/resource

3 Control – Digital Trust Platform

The platform does all of these and more to ensure secure and trusted digital operations for **everybody** and **every thing.**

HOW ARE BANKS USING THIS?

PROBLEMS

User Experience Friction – multiple identities across isolated system
Securing identities – against growing attack vectors.
Securing Transactions – across multitude of banking channels.
Provability in transactions – across different banking transactions.
Compliance – ensure compliance with regulatory frameworks.
Embedded Banking – ensure friction free, secure and compliant embedded banking.

SOLUTIONS

- ✓ **Central Identity and Authentication Module** – Platform creates a Cryptographic Identity Fabric to assimilate and federate identities resulting into one identity system.
- ✓ **Password-less Authentication** - Remove user friction and password attack vectors.
- ✓ **Multifactor Authentication** – Versatile MFA to suits every digital service need.
- ✓ **Provability Consent/ eSignature** – non-repudiation for all of your transactions, improve compliance.
- ✓ **ERPConnect** – A case of embedded Banking, where user performs transaction right from their ERP system without even visiting Bank's digital service.
- ✓ **Federated Authentication** – Grow your trusted digital ecosystem with your fintech partners.

For Enterprises :

Challenges of Digital Transformation

- Digital Transformation resulting into
- Increase in digital assets
- Shift-up (cloud migration)
- Blurring of digital perimeter
- Complex identity infrastructure

CONTROL OFFERS

Tools to implement ZERO TRUST strategy

I-AM® Identity fabric technology to unify identity infrastructure and have one-login to all services. I-AM® is standards compliant for no-code integration.

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in fortytwo labs

It's a platform and platform creates numerous possibilities. You give us the problem and we will deliver solution basis the platform.

ABOUT US :

Fortytwo Labs is working is the field of cryptography from last **6 years.**
The platform is trusted by several **Banks, Defense and Enterprises alike.**
When we say it is military grade take it in literal sense. We have filed several patents and are continuously innovating in the field.

We believe in open innovation and have co-innovation partners who gets benefitted with first mover advantage. If you like to be one of them. Do get in touch!

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