



**Leading you into
a Future with
High Trust and
Minimal Fraud**



A Decade Apart – The Shifting Landscape of Authentication

2006



Dynamic form of authentication



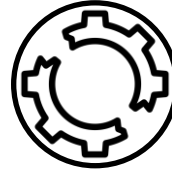
Cost effective



Easy to use



2024



Extremely vulnerable

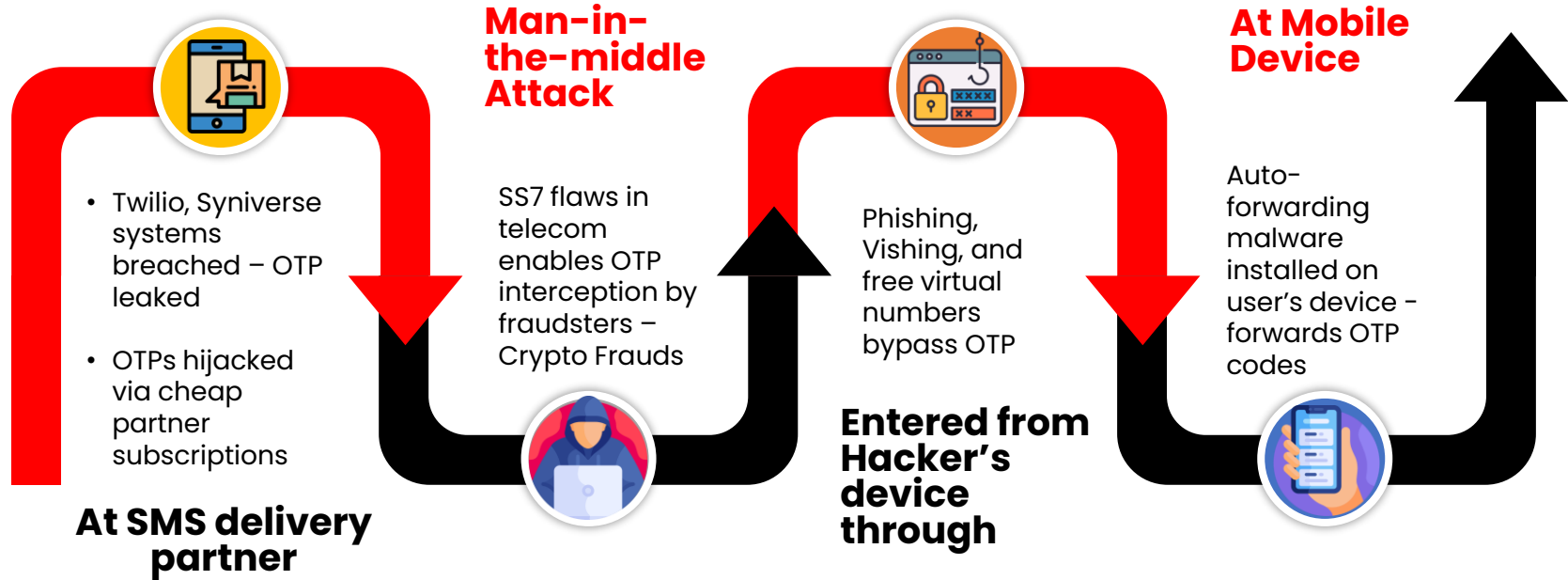


Highly expensive today



Negligible security

OTP is vulnerable at all stages of its lifecycle



Existing solutions have outlived their utility



Point Solutions –
Lack of
continuous
verification

Purely Predictive Solutions –
Leads to false
positives and
false negatives

Phishable Solutions –
Authenticator
s, OTP codes
are phished
easily

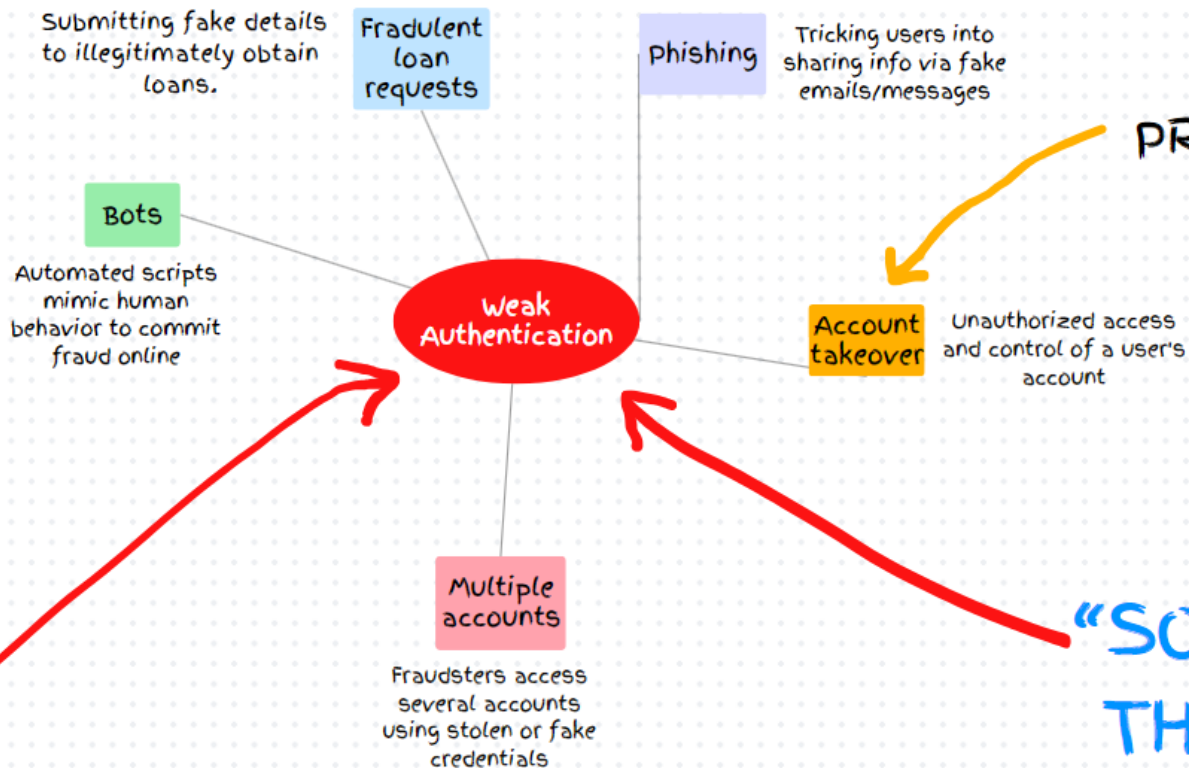
Weak Device Binding

We provide Enterprises with a Cost-effective 1-click User Verification Solution of the Highest Security with Uninterrupted Customer Experience.

Do not try solving a sub-problem caused by your **"MAIN PROBLEM"**



"MAIN PROBLEM"

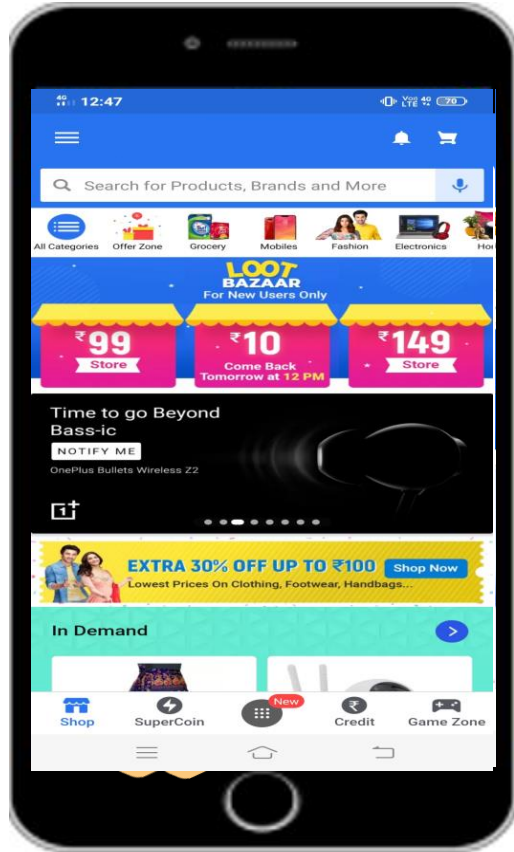


"SUB PROBLEM"



"SOLVE THIS"

Mobile App Login Before AShield



User clicks on Login

User Types in his/her 10-digit Mobile Number and clicks 'Continue'

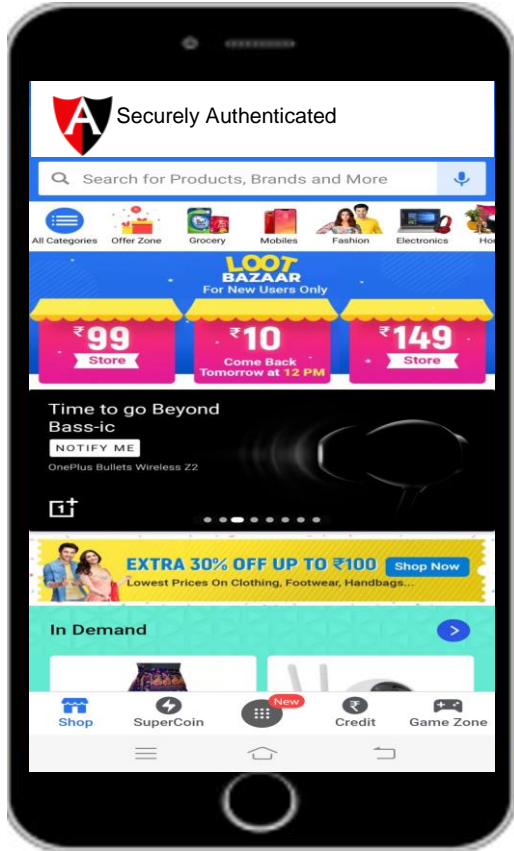
6-digit OTP is sent to User. User has to additionally key it in, and then click 'Continue'

User is successfully logged in, on successful verification of OTP, after **18+ clicks**

Limitations of OTP Login before AShield:

- Multiple clicks, crippling **Customer Experience**.
- Extremely prone to **Phishing attacks**. OTPs have been compromised at all stages in their lifecycle.
- OTPs have an average User Drop-off Rate of **18-24%**.
- OTPs can be intercepted for as little as **\$16**.

Mobile App Login After AShield



User clicks on 'Login'

User is **Securely Authenticated** in just **1-Click**

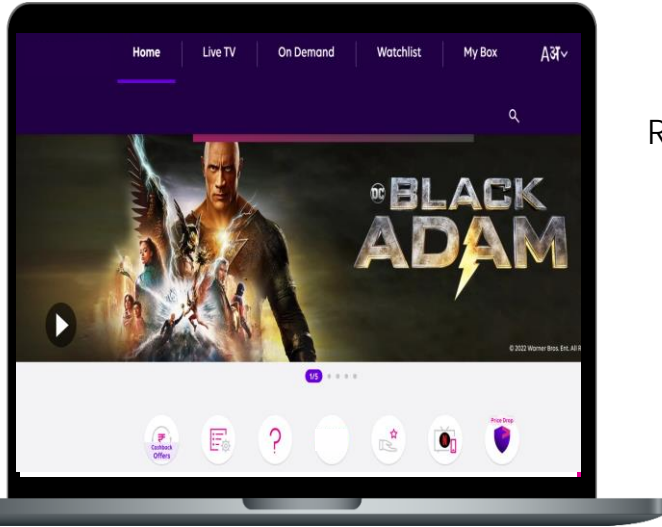


OS-based Passkey verification (FIDO)

Login Benefits After AShield:

- One-Touch Rapid Login with **Top-Notch Security**, enhancing **CX**.
- The only truly **Phishing-proof** user verification solution.
- Leverages **OS-level encryption bound to Enterprise domains**, preventing fraudulent access if device is stolen.
- Provides **Continuous Security** throughout user journey.
- **Active SIM Presence & Device Fingerprint** is detected at every step.

Browser login before AShield



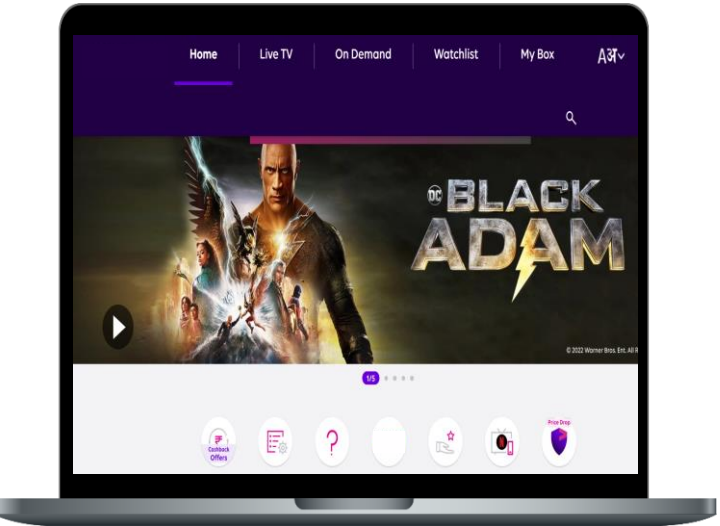
User only needs to enter Registered Mobile number and OTP for verification

OTPs alone provide insufficient security for account access

Limitations before AShield:

- OTPs are powerless against advanced threats and are phishing-prone.
- Every time the user comes in, they have to enter the Mobile number and OTP, crippling CX.
- Increasing user drop-off on the platform.

First time Browser login after AShield



The User enters Mobile Number & OTP ONCE for user verification



OS-based Passkey verification (FIDO)

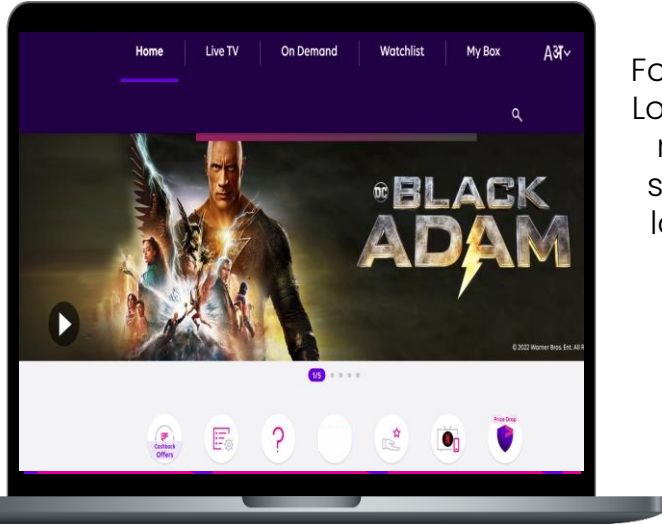


Enterprise Server



- Highly secure Crypto shares are created and distributed for further authentications.
- AShield keeps one Crypto share, while the other 2 are stored with Enterprise and the device
- OS-level Encryption bound to Enterprise domains leveraged for subsequent seamless access

Subsequent Browser logins after AShield



For subsequent Logins, the user needs just a single click to log in to their account



Enterprise Server

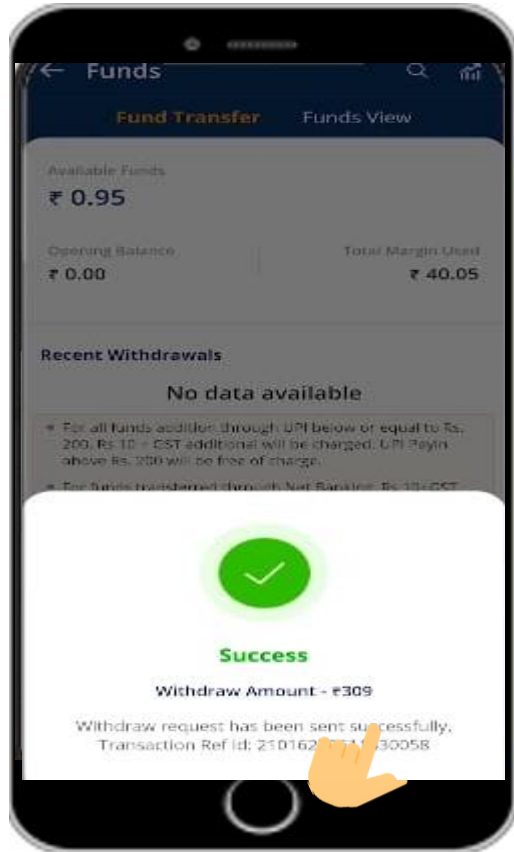


- Crypto shares are validated.
- User is successfully authenticated.
- Old shares are destroyed.
- New shares are created and distributed.

Benefits after AShield:

- **Seamless perpetual Login experience** for the users.
- Ultimately helps in **saving OTP cost.**
- Can be used to seamlessly secure user verification in other business critical areas.
- User input for OS-level passkey verification, triggered optionally, for secure device binding.

Wallet transactions before **AShield** – Prone to fraud



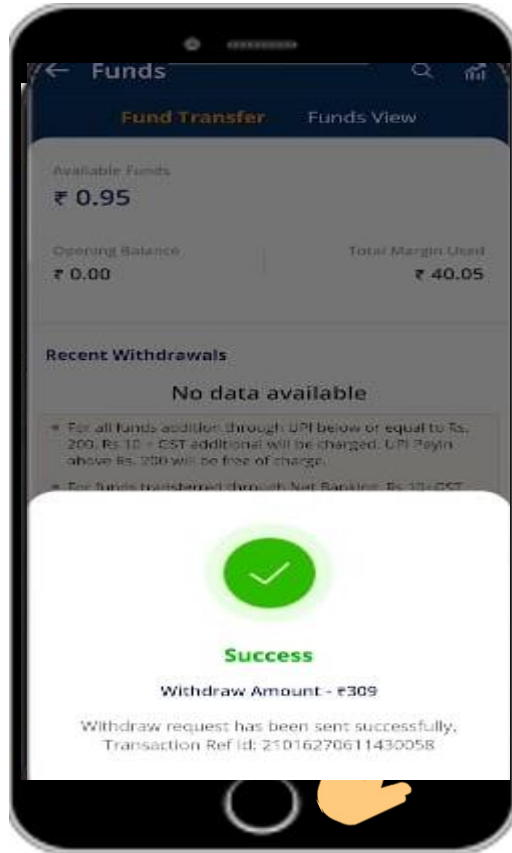
Post ATO, fraudsters initiate fraudulent money requests and withdrawals

With no user verification process here, financial fraud takes place

Limitation before AShield:

- Post account takeover, fraudsters can initiate false money requests.
- **No mode of authentication** to prevent fraudsters from generating fraudulent transactions.
- Any mode of authentication introduced will be phished and reduce conversions.

Secure Wallets with AShield



Only **legitimate users** can initiate money transferring requests

User is **Securely Authenticated** in the background with **No additional Click**

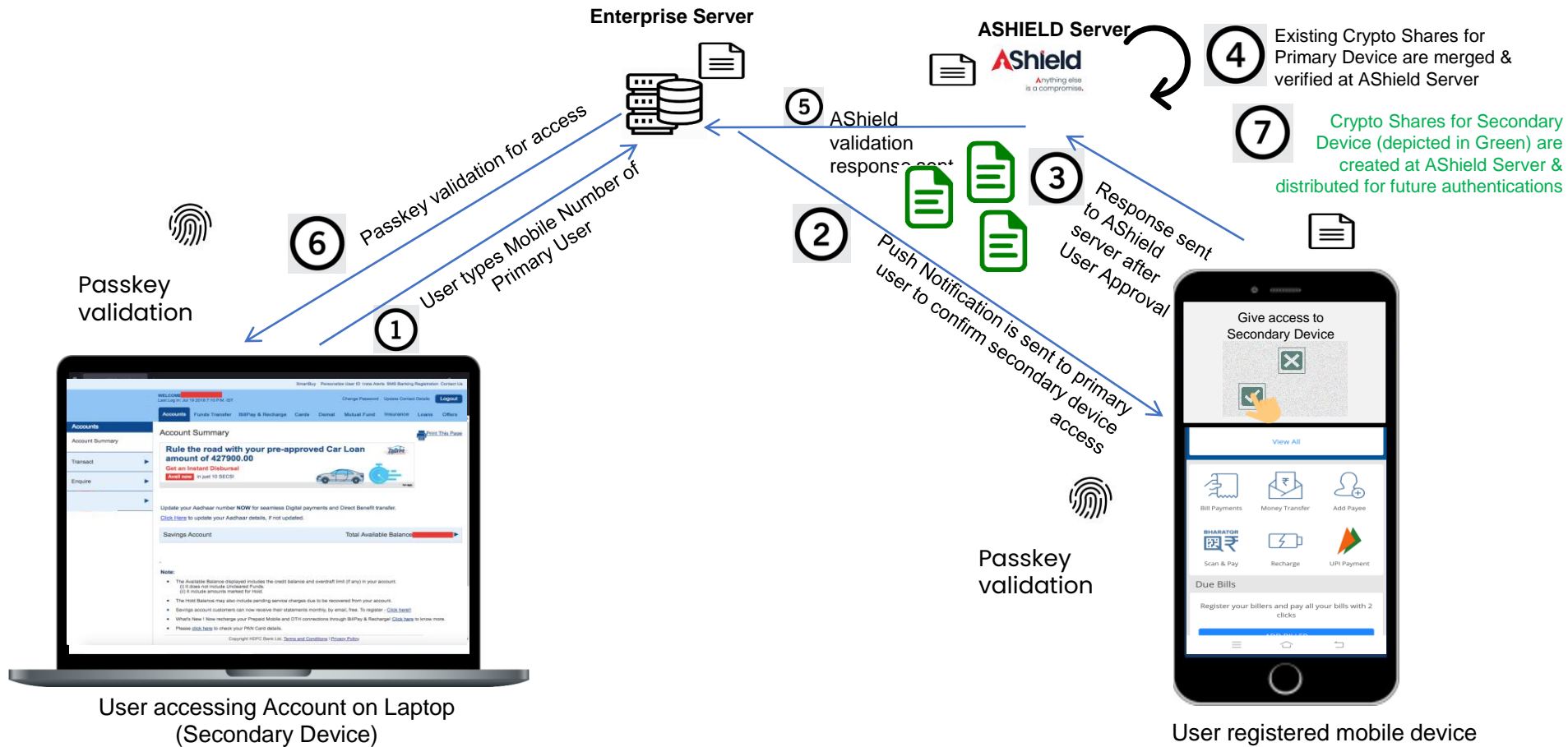


OS-based Passkey verification (FIDO, triggered optionally)

Benefits after AShield:

- Genuine users will be able to transfer money after secure verification that happens in the background without hampering current CX
- Best Security is achieved with no change in the current process.
- User input for OS-level passkey verification triggered optionally for device binding.

AShield Secured Multi Device Access



AShield: Revolutionizing Security for Bajaj Finserv

Bajaj Finserv, one of India's leading fintech giants, struggled **with fraudulent activities including fake accounts and account takeovers**, affecting customer trust and operational efficiency.

Solution: AShield introduced a seamless **one-click authentication solution**, eliminating traditional OTP methods that were exploited by fraudsters. This innovative approach not only closed the gateway for fraudulent activities but also enhanced customer experience by reducing friction

Impact:

- **Customer Experience:** Improved journey by minimizing friction.
- **Cost Savings:** 20% reduction in SMS costs.
- **Transaction Success:** Over 300 million successful transactions.
- **Fraud Prevention:** Blocked 60 million fraudulent attempts.

AShield's innovative solution ensures security and user-friendliness, protecting Bajaj Finserv's extensive user base while optimizing costs.

The undeniable value of **undoing** OTPs & Passwords



**2 Beta Customers
in the US**

2.8 BILLION+

Live Commercial
Transactions Processed

AShield – Against the Point Solutions of OTPs and Password. A Superior Comprehensive Solution that drives down the cost.

Insulated from Imposters
through
One-Touch **Sign-In** and
Securing Every Customer Transactions

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