

Preventing Account Takeover Fraud With Multilayered Defense

Why Businesses Must Rethink Digital Trust

The Need For Strong Fraud Defense

Account Talleaver (ACO) has emerged as one of the main diameging threat is digital foad, mobiling large enthing and providing large enthing diameter. Frod econol benefits, feeded, e-commerce, and board particular contentials, and positioning out of the production of the contentials, and positioning an exercise. ACO is supported to the contentials and positioning an exercise. ACO is represented business and planting an exercise. ACO is represented business in the content of the contential position of th

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The Fragile Foundation Of Digital Trust

The Translation of the digital economic depends on trust, a fingille set independeble bridge that undersire modern global economics. Every reads gastered planning stamps, files decorate, or final-date terraction chips heavy at that bridge, ecoling confidence in the system businesses and consumers rely an other-terror than most cover thought or for the state of the country.

ne cumpo more un organise cumo mess, sociarente (LLC, se 2004 legrages Year, su remain comemistent and highly profisio. Criminals explot orinio banking, emis, and social media accounts. nanething stolen unidentals and presonal data with alaming ease, trital makes XYO expecially.

tengerous is the loss likelihood of consequences; with many financial institutions sharing (IMAMA-nelated cases as customer negligence, insudarus reap high instama while facing minimal accountability. ITO is not Just a technical financh: it represents a systemic brankdown in soling arting digital train. It turns

slickle platforms into patients to explaination, leaving individuals valueable and businesses exposed, the FEE titles will Other Complains Content (CEL) 2023 report understones the state of this Eleval, revealing at U.S. otherorime insecs surcessed \$16.0 billion, with Identity that and ATO comprising a significant biotic.

he conduction is close that XIO is more than a security issue. It is a strategic business challenge that, repeats bening, firstch, e-commerce, and social platforms. To understand how so fight it, we must first somine the forces building its growth.

Key Drivers Of Account Takeover Frand

ATO freed finites on weeknesses spread scross the digital accounts of European delean street out.

 Date Breaches: Massive breaches constantly supple states credentials that fuel ATO carepaigns.

4. Device Threats: Compromised phones and laptops enable

impersonation sactics manipulate victims into bypossing seleguerds.

> se drivers create o perfect storm with a steady supply of on condentials, exploitable user behaviour, and increasingly amond attack sociation. To gazag the full impact, it is essential unless how IEO manifests showed informat found markets.

According To The FBI IC3, Cybercriminals Deploy A Range Of Techniques To Execute Account Takeover^a



Phishing emails impresonating treated eviding.



logitinate veloites.



Exploiting data breaches by resolling credentials on dark web forums.

herloggen and troken.

Methods Driving ATO Fraud



ingright a collact with allow Alexand Talleaver Bell it is not a stand-share three last a conditional embler of modern financial crime. Pather than existing in isolation, ACO undersine and accelerates a wide stage of haud achieves, magnifying both their scale and impact.



Account Takeouse Threat Landscane

Account Type	2021	2023
Social media	51%	53%
Banking	32%	42%
Email or messaging platform	26%	23%
E-commerce	8%	17%

According to Security orgin 2000-2000 report, "bank accounts related as the second most." Inspired by targeted for accounts related by the second property targeted for free accounts from the pulsar accounts property for free accounts of the second property for the second property from the second property from the pulsar accounts of the second property from the second property from the second property from the conduction of the second property from the second

As digital ecosystems examed, ATO in to longer confined to solitate descriptions from cooling media and a commerce to linearital services and communication plat forms. This cooling and the first commerce the upper need for stronger and testimation, protective from the upper need for stronger and testimation, protective found detection, and much invited to exort in strategies.

Emerging Threat Vectors That Scale ATO Fraud

Deepfakes And Synthetic Identities

undergoord malests, arming even unkilled attaliene with voltes, laming even unkilled attaliene with voltes, laming under solors, and fashified documents. With three took fashioties up spoof forwards derection during silentity welfasters, conduct highly communing soloriel regimenting colls, and of eventuelle images to cardioct persentation and injection attacks on fastal fasimither systems.

that bond highlights a chock markly about deepfales from an enabling the establish of traditional MFA and identity vorification, transforming AFD from a simple predental that lower lists a hunderwestal challenge of digital authoriticity.



Dhighing to A-Consion

PresS platforms provide sundor philating kits, false logis templates, and automated conductal harvesting bods. By lovering the borner to certs, in the late in a cert of the c





Regulatory Guidance On Authentication And ATO Prevention

Sector-specific regulatory authorities have repeatedly emphasized the risks posed by ATO haud and the necessity is requested substrated. Our promotes the Extenti Expecial

Threat Landscape
 Credential comprenies through phishing or

malwane remains a resign risk.

nstrutions must assess vulnerabilities regulae Sentitrina hindroid aures and teamantions.

2. MATERIAGO I NATIVE DE CADA DE Single factor authentication la inadequata; MFA e anniversar arrangem commis ses mandanes.

These principles form the beseline, but so truly combet #30, prosessations must entitline an integrated, adaptive framework



Unified Integrated Defence Strategy

Point solutions wash as personants or weak MFA checks are no longer sufficient. Today's fould landscape demands an integrated framework that combines presention, detection, and recovery. This approach onsures that accounts are not only protected again.

Layered controls should work seam-leasily throughout the continues libropist, viairing three colouraling and continuing through daily interactions, while also estanding into recovery when readed. This unified approach ensures consistent protection, stronger traud prevention, and long-seam trast at every stage. The following core capabilities highlight how this strategy is put litra action.













attack detection presents specking and fraud attempts.

Shufti's Multi-Layered Fraud Defense Across The Customer Journey

A source audiomer journey starts from the onboarding, Shulti seedles the user's literality using a multi-layered approach. These serves as a plated trust hospitals from real later has used for servesory if the account in representation.



How Shufti Ensures Seamless Prevention And Recovery

Shufti delivers on end-to-end #70 prevention framework, combining identity verification, device fingerprinting, behavioral biometric and advanced HIFA.

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Category	Feature	Market Option A	Market Option B	Market Option C	Shufti
Gore ATO Defense	Device Fingerprinting	~	×	~	~
	Behavioral Biometrics	×	4	~	V
	Multi-Factor Authentication (NFA)	×	×	~	-
	Knowledge-Based Authentication	×	×	×	- 4
identry Assurance	Verification of Complex Legal Identity Documents (Latin & Non-Latin Soripts)	×	×	United	-805.500-ra
Freed Resilience	Recovery Strength (ATO Resilience)	West	Mick	Strong	1107 (100 mg)
	Injection & Presentation Artists Detection (PED)	×	×	United	PRAIRCO

Proactive Defense To Prevent ATO With Risk-Adaptive Multi-Energy Authorities

Shuff Seminger file adaptive authorization to detect and block suspicious logins in real drine. Desice fringespointing and behavioral biometries day enterables seall as a dismitter devices or unusual activity, (regarding sterrup MEX when remied, by adding ID to-checks, biometric sooms, and otherword feveres detection, only implement asset gain access, integrity fraudhers.

User enters credentials



Certified Liveness Detection Against Spoofing And Deepfake Threats

Facial biometrics are a strong form of authentication and hence used in Account Taleasus Presention as part of Mathi-Factor Authentication. However, it is valenable to specifying attempts using photos, mains, despitates, or injected video streams. The strategy and in come is beauty independently advanted before as it forces to the complete of the

Presentation Attack Detection (PAD)

Mercifies spoofing attempts such as photos, masks, o



or deephale media sawares from ston pipeline by validating device-



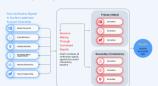


Enrollment-To-Recovery Integrity And The Establishment Of Digital Trust

with performs a storing encolarine co-recovery match to confirm the rightst owner by severitying the original restry decremed selegated field between date, desired integration, and behaviorable between the object in the reprehending assumption, in martification disposance transplaces defences against account radiovers and identify that, desired top that we in order to the composition of others, upfined the integrity of the recovery preview. This aligns will insularly effects, where stronger environment up that the composition of the compos

> According to the 2004 EDA-ECB Report on Psymeet. Fraud,* tonesactions authenticated via training Customer Authentication (SCAI) shows significantly lower haud mass than non-SCAI consections. If demonstrate that safet sidnistic verification/enrollment.

Verification Signals Driving Secure Account Recovery



Advanced Data Matching Reinforces Enrollment Integrity By Validating Information With Accuracy And Consistency.

This area was compliance, minimum from at this and solve units increases from in the recovery recovery





Behavioral Intelligence Strengthens Account Integrity By Detecting Anomalous Login Attempts Across Devices And Regions.

Behavioral Intelligence

Your Log In History





Layered Fraud Signals Provide Businesses With Deeper Visibility Into Hidden Risks Across Devices, Documents, And Crestentials

This integrity-drives approach ensures that velowabilities are addressed before they compromise digital trust.

Fraudost Parameters		• Leeding • Medicalities • Might find
A) fellometer		
Face proof is taken from another across	 Document prod's a screenified 	 Fruit and backade images are not of the same desurrent
Copy of the image found an web		
g PARM		
	Provide to different from obsument country	P country's different from decument country
P musty's different from document mustry		
1. Plane Number		
Plant is disposable		
gg (nel		
Domain's disposable	The density is not registered.	

Use Cases For ATO Prevention Across High-Risk Industries

Both the fresh and social models included to be command with regard that make them expectably valumedable to account indications that the fresh that the properties of the pro



After Phishing Compromise



From Account Takeover

Alexander Charles

Shaff is fault as a high-sources, walkingwed hand deleton platform designed to be an digital recomptivities for hand state replane, failed embreas identities we florities, denote frequenting, behavioural blomentics, and advanced liverant deletorion in one services framework This integrated approach weakfeldings a warned digital baseline or onboording, combinately with welfooten legislimate seems, and provides maillest moreously if accounts are not compositioned.

With diploid coverage of 10,0001 to finonomente, solvant mon Latin sorgit support, and industry-lating ligilation and presentation statisf, distancios, shuffs involves organisations to outgace encolong account subsense freque white resistancing a let involves own engine from the pulsarious freque white resistancing a let involves own engine from the office of the state of the state of the state of the displaces to businesses to protect digital fruit at state.