WEBINAR

RESPONDING TO CBUAE:

How to get rid of SMS OTP by 2026

WHAT WILL WE TALK ABOUT?

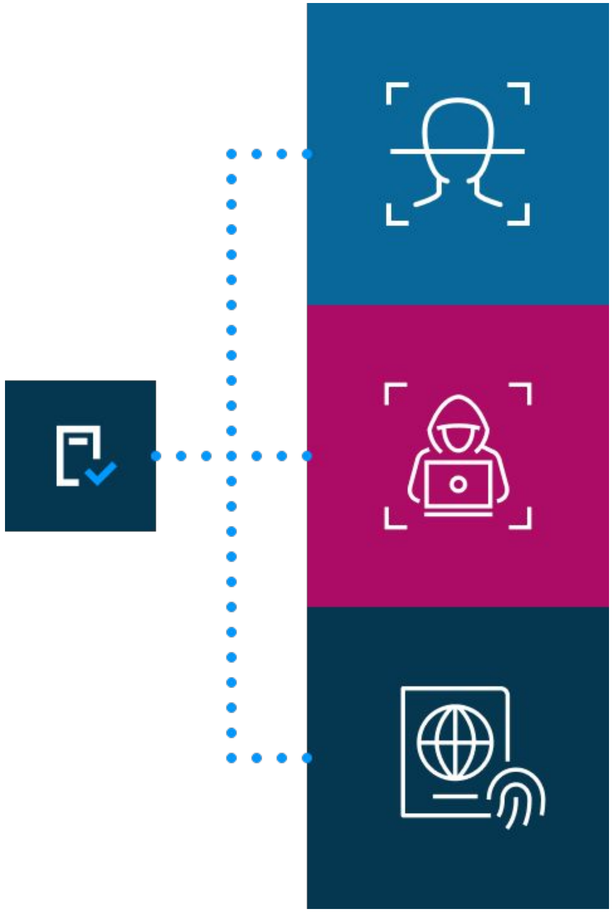
- CBUAE Mandate: The Shift Towards Modern Authentication
- Why SMS OTP Is Failing
- Mobile-First Authentication: What It Looks Like
- Going Beyond: Quantum-Safe and Password-less Future
- What to Look for in a Secure Mobile Authentication Platform
- Implementation Roadmap: A Smooth Transition for UAE Banks & Fintechs
- What sets Wultra apart
- Q&A

CBUAE MANDATE IS HERE, OTP DEPRECATION IS NOT OPTIONAL

- Time is short – compliance deadlines are fast approaching
- Many banks are asking: what comes next?
- This webinar will give you: clarity, options, and a roadmap

NEW AUTHENTICATION STANDARDS

- **Risk-based, robust methods**
- Banks are required to implement strong, adaptive authentication, including:
  a) **Strong MFA levering Biometric - facial recognition** (e.g., Emirates Face Recognition)
  b) **Advanced fraud monitoring** and session suspension on suspicious activity
- **Integration with national identity**
- Solutions must integrate with UAE Pass, Emirates ID, soft tokens, and biometrics
  - **Emirates ID** = Physical identity + smart chip
  - **UAE Pass** = Digital/mobile identity + login/auth/signing platform



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WHY SMS OTP IS FAILING?

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WHERE OTP IS USED TODAY

- Online banking logins
- Transaction Approvals
- Ecommerce Payments
- Recovery/ Resets

WHY IS OTP FAILING?

- Easily intercepted
- Poor User Experience
- Expensive to maintain
- Not compliant with strong MFA requirements

MANDATE TAKEAWAY

- OTP No longer secure
- Banks must transition to stronger authentication standards

MOBILE-FIRST AUTHENTICATION

Using a mobile app to log in and sign transactions in any digital channel using cryptography.

MULTI-FACTOR AUTHENTICATION

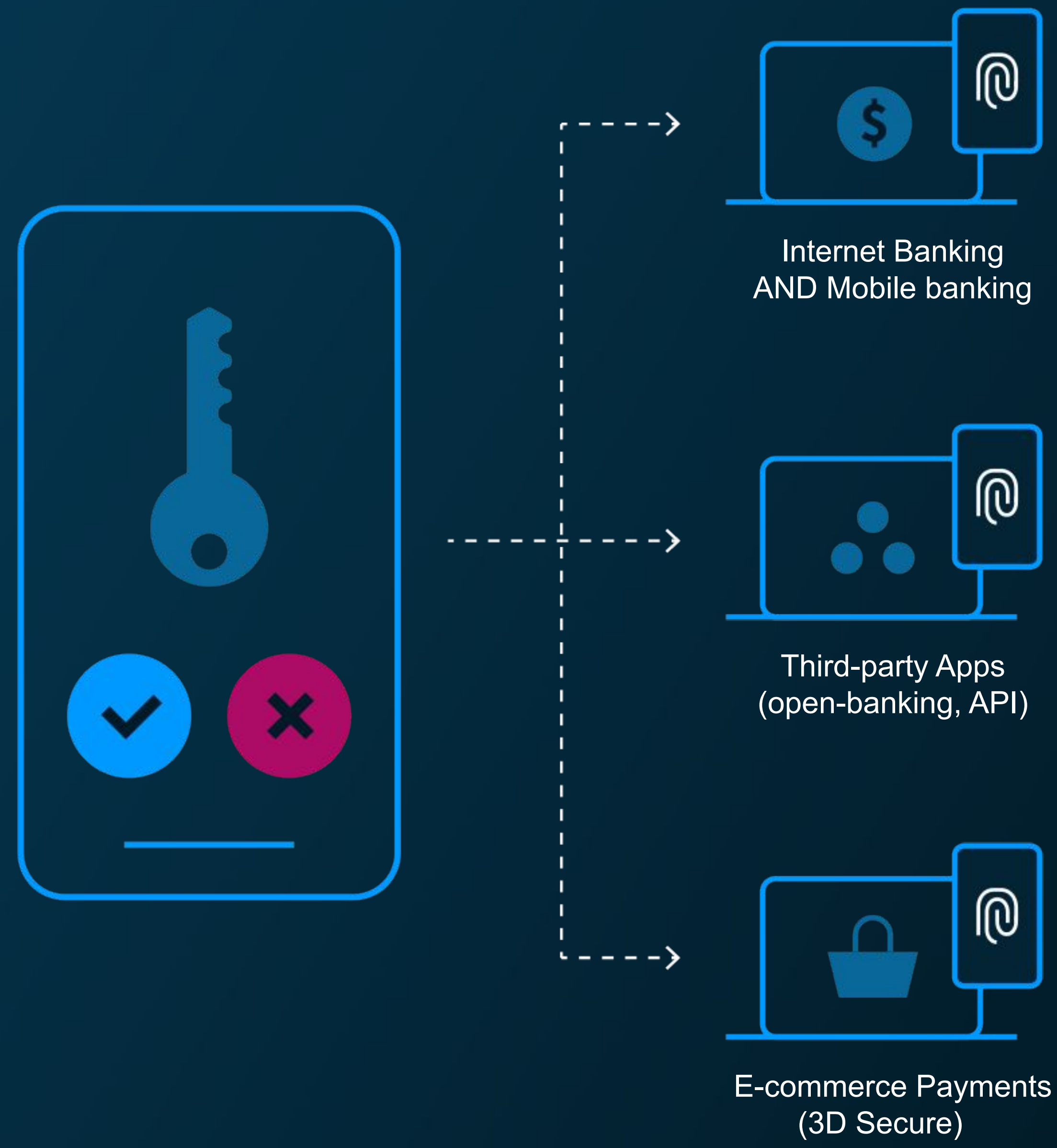
1ST FACTOR

Possession
Registered mobile device

2ND FACTOR

Knowledge
PIN code or password

Inherence
Device biometrics (Face ID, Touch ID)



02

GOING BEYOND — QUANTUM-SAFE AND PASSWORD-LESS FUTURE

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THE CHALLENGES AHEAD

- Cyber threats evolving faster than ever
- Deepfakes & social engineering on the rise
- Quantum computing risks looming over encryption

WHAT'S NEXT
IN AUTHENTICATION

- Passwordless login (FIDO2, passkeys)
- Quantum-safe cryptography (post-quantum algorithms)
- Cross-platform authentication standards
- In-app protection and zero-trust by default

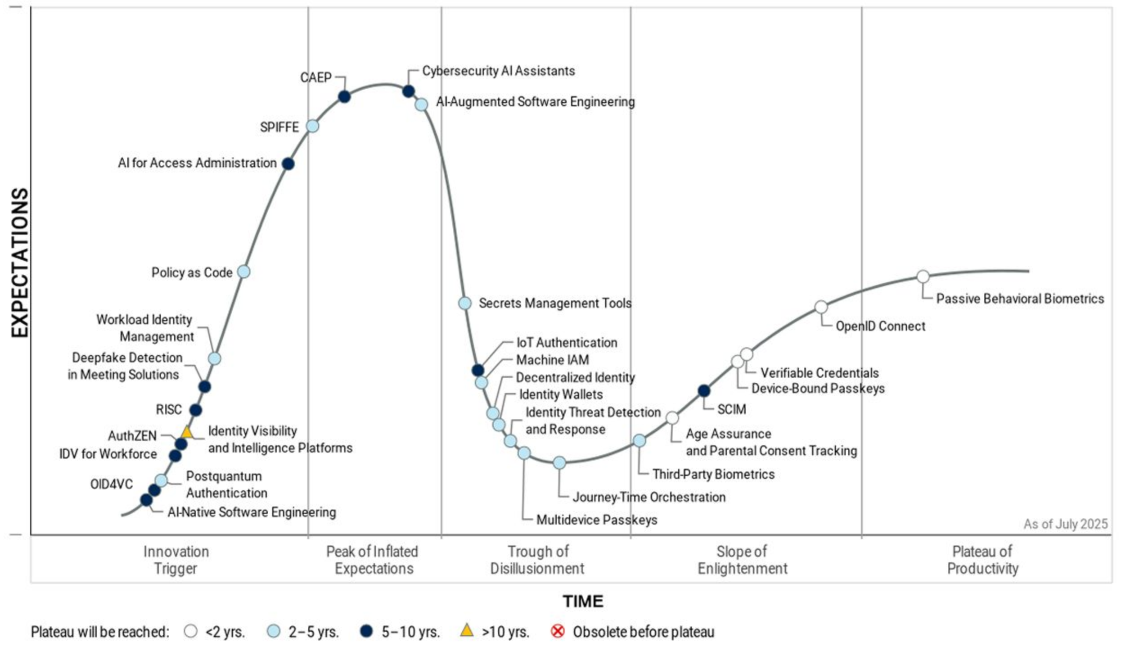
Wultra is mentioned
as the **only vendor to be recognized as a Sample Vendor** in the post-quantum authentication category.

Download the report for free

Gartner, Hype Cycle for Digital Identity, 2025, published on 14 July 2025, By Nayara Sangiorgio, Nathan Harris.

HYPE CYCLE FOR DIGITAL IDENTITY 2025

Post-quantum authentication mentioned for the first time on the Gartner® Hype Cycle™ for Digital Identity, 2025.



Gartner

03

WHAT TO LOOK FOR IN A SECURE MOBILE AUTHENTICATION PLATFORM

ADVANCED FEATURES YOU SHOULD LOOK FOR

POST-QUANTUM CRYPTOGRAPHY

We use modern cryptographic algorithms designed to withstand quantum attacks.

PUSH NOTIFICATIONS

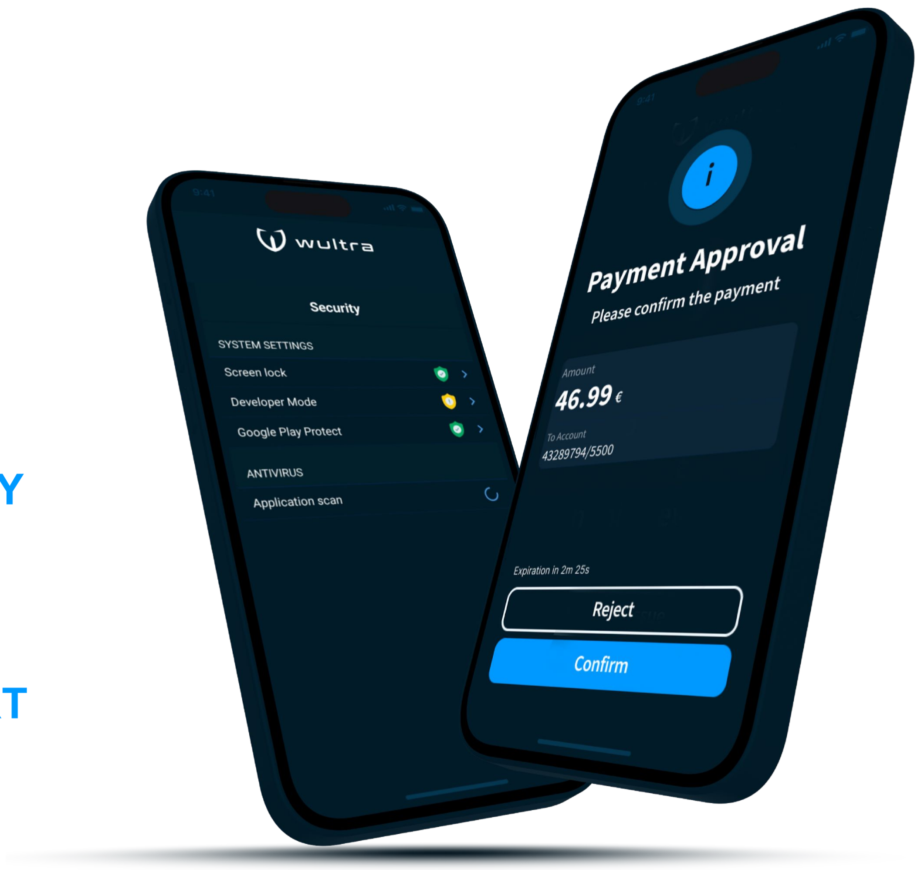
One tap to confirm - top UX and no more mistakes due to rewriting codes.

PROXIMITY-BASED SECURITY

Use Bluetooth or QR codes to ensure devices' proximity during authentication.

FACE ID / TOUCH ID SUPPORT

Easily log in and approve payments with facial biometrics or a fingerprint scan.



SOCIAL ATTACK PREVENTION

Analyze customer's context and prevent damage caused by possible deception.

LOGIN WITH QR CODE

Blazing fast authentication initiated with the standard phone camera.

WHAT YOU SEE IS WHAT YOU SIGN

Ensures security, transparency and trust in every transaction thanks to dynamic linking.

SECURE PIN CODE

Enforce a strong PIN and don't leave a trace of it in memory.

POST-QUANTUM AUTHENTICATION

Future-proofed cryptography to protect customers from the quantum threats.

HYBRID SCHEME

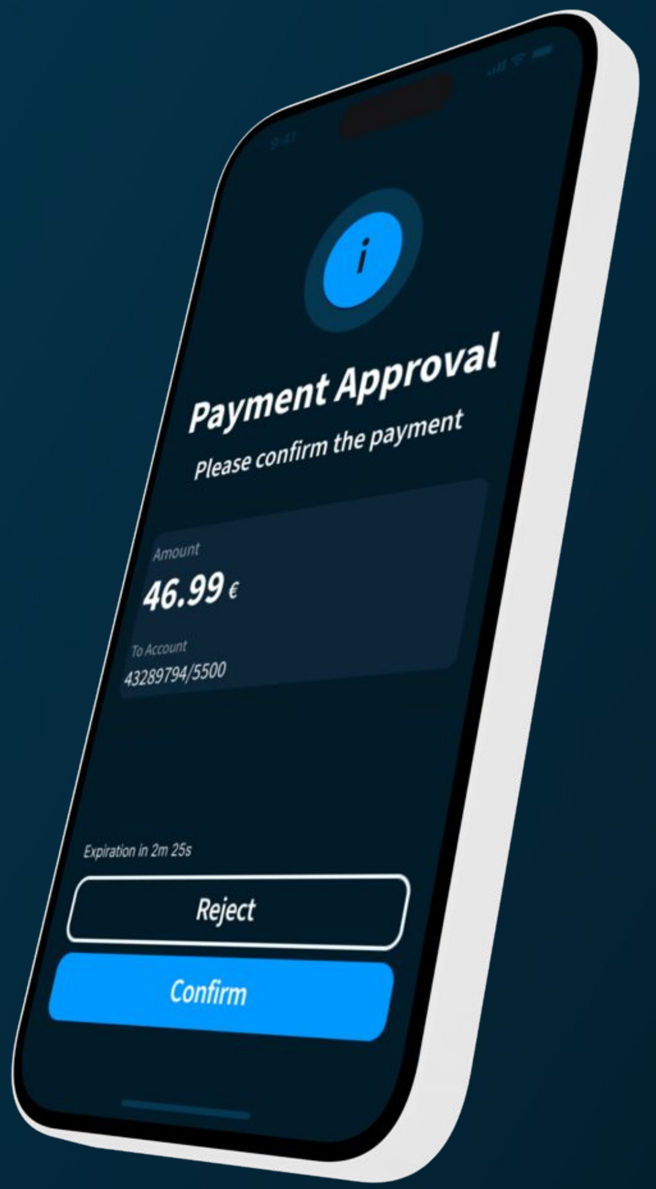
EC + CRYSTALS
Trusted algorithms + future proof

CRYSTALS

ML-KEM (KYBER)
KEM, establishes key for AES-256.

ML-DSA (DILITHIUM)
Digital signatures.

NIST
National Institute of Standards and Technology



05

IMPLEMENTATION ROADMAP

MIGRATION

Do your users use mobile application?

ACTIVE USERS OF MOBILE APP

ACTIVATION OPTON

- Seamless activation with **existing credentials**

USERS WITHOUT MOBILE APP / FORGOT CREDENTIALS

ACTIVATION OPTONS

- **Digital onboarding** (trusted photo ID documents or previously enrolled biometric data are required)
- Activation via **web app**
- **Branch**
- **Activation code** is delivered by post, email, SMS (risk of phishing attack!)

EASY MIGRATION – SMS TO MOBILE APP

Seamless migration for current app users

Create one-time **tutorial pathway** in the web and application

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Offer as **many channels** as you can securely afford

CUSTOMERS WITH THE CURRENT APP

Activation of the new authentication element
is seamless from the user's perspective.

Download and Install the App

Log In

Log in to the app with the current authentication means.

Recieve Notification

Receive an information about the new authentication.

Set Up PIN

Set up a new PIN and activate biometrics.

Activation Succesfull!

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WHAT SETS WULTRA APART

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ABOUT WULTRA

Wultra provides **modern, post-quantum authentication designed** for banks and fintech companies, ensuring secure, seamless access to digital services.

FOUNDED	CUSTOMERS
2014	70+
COUNTRIES	**TEAM**
22	50+

SATISFIED CUSTOMERS WORLDWIDE

COMMERCIAL BANKS AND BANK GROUPS

Raiffeisen Bank
ERSTE Digital
otpbank
ČSOB
Yettel. Bank
بيت التمويل الكويتي KFH
Santander
MOLDINDCONBANK
بنك الرياض riyad bank
MULTITUDE
VISTA BANK
Partners bankovní služby

… and more

FINTECH

globalpayments
ooredoo
HexTrust
fidoo
benefit plus
POSTA SHQIPTARE
IBISINGOLD we make people independent
honest

… and more

DIGITAL IDENTITY

IDnow.
cz.nic

NPS
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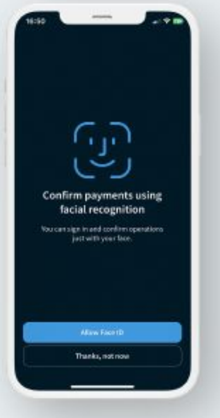
UNIFIED AUTHENTICATION PLATFORM

1. MOBILE-FIRST AUTHENTICATION

MOBILE TOKEN
Standalone App



MOBILE SDK
Plugin for Your App

2. ALTERNATIVE MEANS OF AUTHENTICATION

SECURITY KEY
Hardware token

- **PASSKEYS**
- Built-in Authentication

POWERAUTH INFRASTRUCTURE
Deployed on-prem or in the cloud (SaaS)

SECURED BY IN-APP PROTECTION

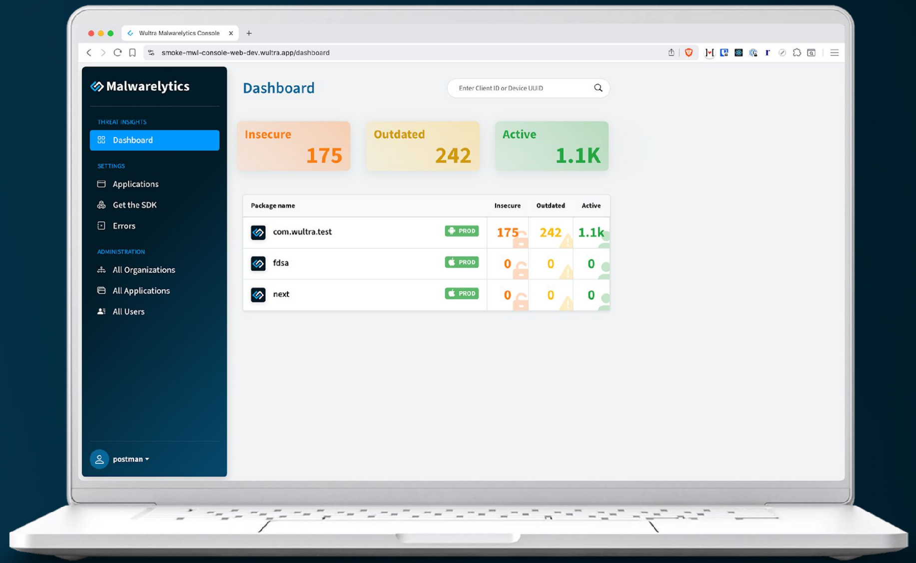
Protect the authentication process
on insecure hardware.

PROTECTS THE RUNTIME OF THE APPLICATION

DETECTS POTENTIAL THREATS ON THE MOBILE DEVICE

Warn or block users straight away.
Feed the data to fraud detection systems.

10 MINUTES TO INTEGRATE



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SUMMARY, Q&A

LET'S KEEP IN TOUCH!

AMAL'S CALENDLY

Scan the QR code
to reserve a 1:1 meeting

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THANK YOU!

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