

**FOUR  
SEC.**  
PICK YOUR PIC



**White  
Paper**

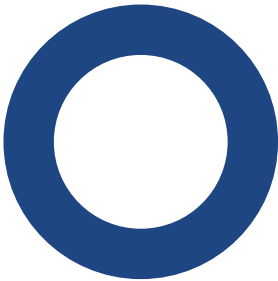
**FourSec  
Graphical PIN**



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# Executive Summary

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This whitepaper introduces the Graphic Security Pin (GSP) from Foursec, an innovative solution aimed at improving security without compromising user experience.

In today's digital world, balancing security with ease of use is a major challenge. Traditional methods can be complex and frustrate users. Foursec offers a more user-friendly approach with the GSP.

The GSP integrates easily with existing systems, providing strong protection for actions like logging in, sending funds, and changing passwords, while keeping the user experience smooth. This paper outlines how the GSP works and its advantages over conventional security methods.

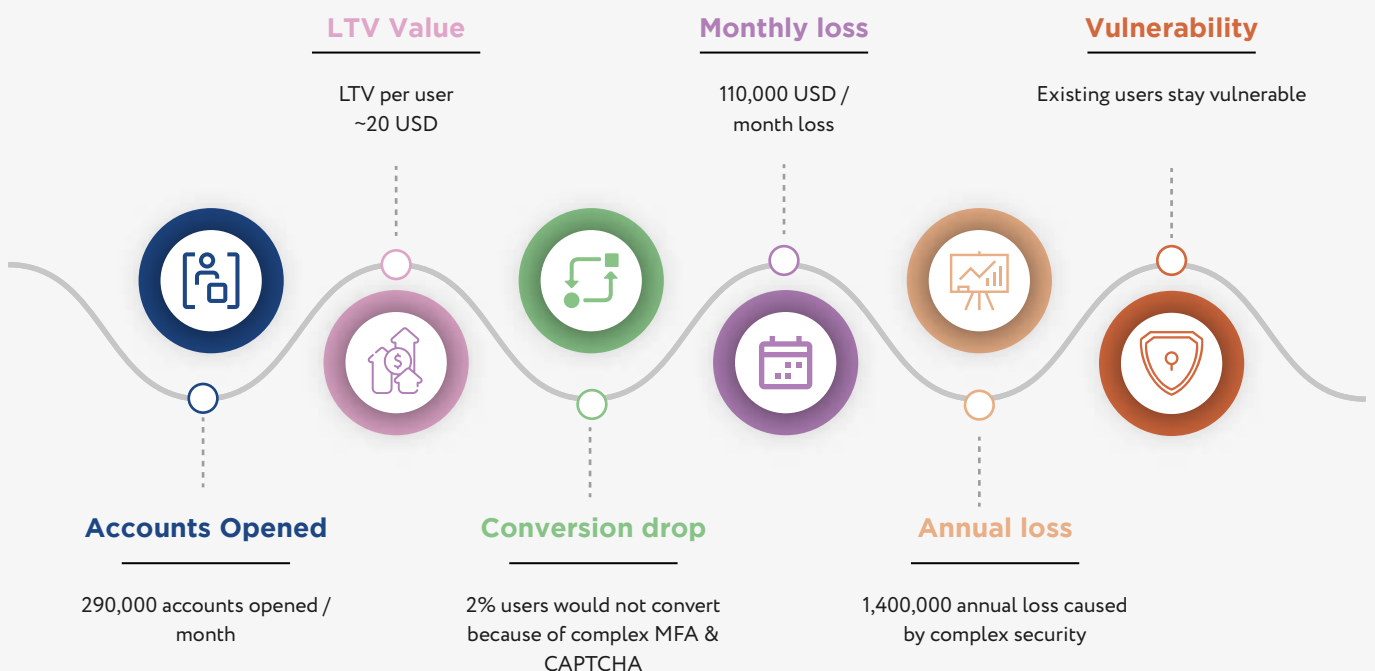
# The Problem

Security measures are crucial for protecting sensitive information and maintaining user trust, but they often reduce conversion rates. Complex authentication processes can frustrate users, leading to abandoned onboarding and lower engagement.

Traditional methods like complex passwords, two-factor authentication (2FA), and captchas, though effective for security, can deter users from platforms that rely on them. Striking the right balance between strong security and a smooth user experience is a key challenge for online platforms aiming to protect users without sacrificing conversion rates.



Here's a real-world example of a conversion drop and its financial and security impact, drawn from a major fintech provider in the crypto industry.



# The Solution

The FourSec GSP is a game-like authentication challenge with key features:

- ⇒ Fast resolution under 4 seconds, compared to industry-average 2FA times of 30 seconds to 1 minute.
- ⇒ Relies on visual perception, making it easy to memorize.
- ⇒ It can't be spoofed or taken over, as there are no tokens or hashes to steal.
- ⇒ Only a human can solve it.

## YOUR PROGRESS SETTING SECRET COMBINATION



THEME

IMAGE

REPEAT THEME

REPEAT IMAGE



FOOD



ANIMALS



CLOTHES



SPACE



SPORTS



TOOLS



TRAVEL



EMOJI

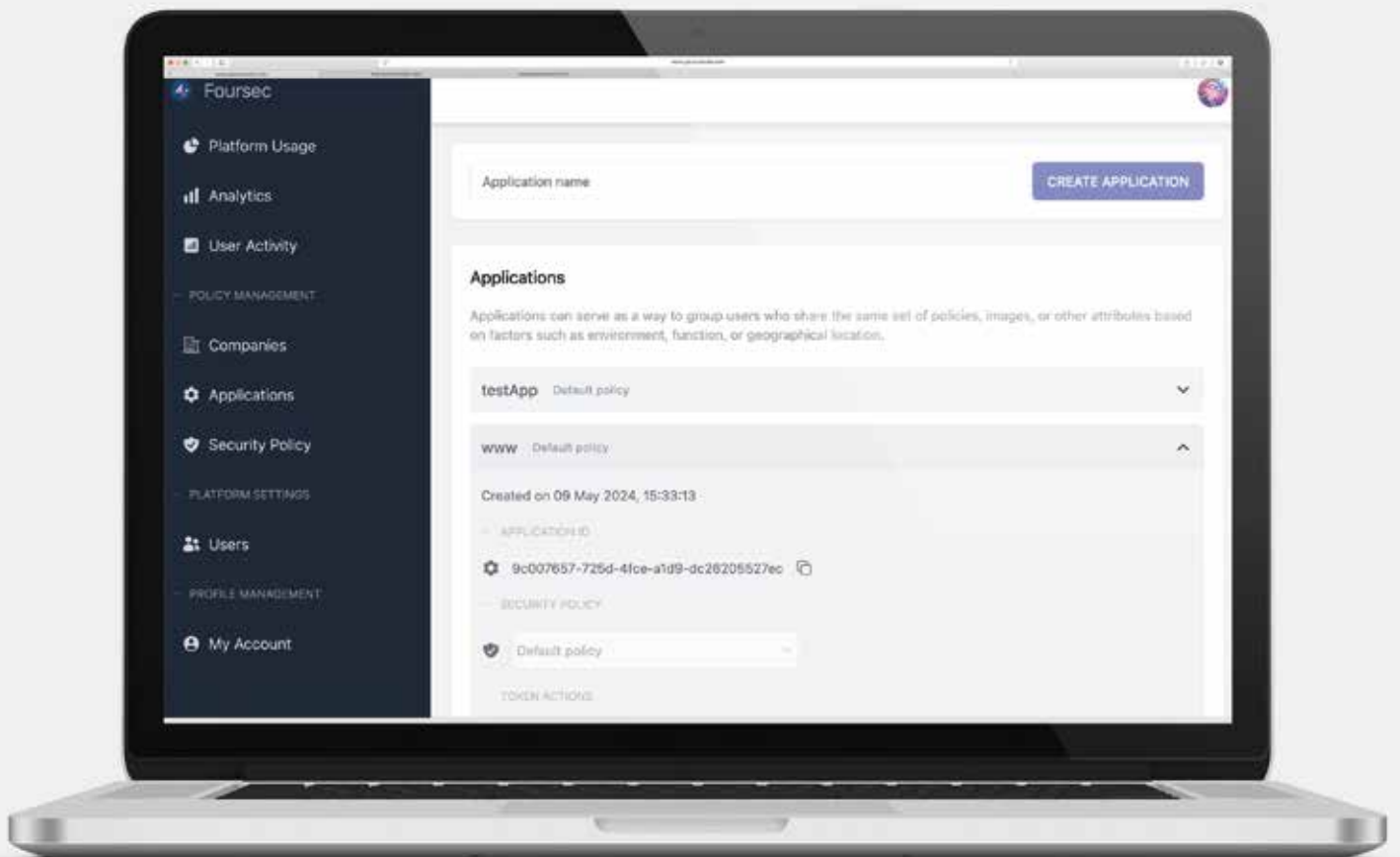


CURRENCIES

# Built-in Management

The FourSec GSP offers a cloud-based management UI for:

- ⇒ Setting security policies
- ⇒ Managing protected environments or applications
- ⇒ Handling user management





# Use Cases





The FourSec GSP offers strong protection and resistance to brute force attacks (including credential stuffing), making it suitable for:

- ⇒ Replacing PINs
- ⇒ Serving as a CAPTCHA alternative for registered users
- ⇒ Acting as a password-less step in multi-factor authentication
- ⇒ Providing session refresh authentication after long inactivity periods.



# Verticals

The FourSec GSP is ideal for businesses needing flexible account protection, including industries like:

-  eCommerce
-  Entertainment (streaming & media)
-  Gaming
-  Gambling

Highly regulated sectors like healthcare, banking, and finance typically require traditional authentication methods and are not our target market.

# Additional Materials



Learn more about us at <https://foursec.io/>



Experience our authentication challenge firsthand at our demo site  
<https://demo.foursec.io>



For feedback, reach out at [info@foursec.io](mailto:info@foursec.io) .



Check out the integration guide <https://foursec.io/deployment>

We're in early preview, so any glitches you find will help us make things better! Your feedback is key to improving our solution.

