

# Secure login and audit-trail with guaranteed authentication using biometrics

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# Current state of application security

Passwords are 'end of life' but widely used and shared between users

Audit trail becomes important

Privacy must be consolidated

New laws: compulsory reporting of security breaches

# 'Strong' authentication

Something you know

Something you have

Both are transmissible



# Our vision: biometrics

Guaranteed identity

Phone or tablets will be the future key

Biometric data must be stored  
on local device not 'in the cloud' / on a server

Current authentication solutions cost is too high  
(e.g. tokens, NFC-cards, etc)



# Our solution: Secure Login



Mobile app using SDK: HoyosID

Wide range of uses

Login to websites and apps

Authenticated audit trail

Authorized online payment

Access to machines (ATM)

Access to physical rooms

# BOPS: Biometric Open Protocol Standard

Certified IEEE (2410 - 2015 ) standard  
like USB, Wifi, BlueTooth



Server contains no biometric data

Contains keys for authentication and intrusion detection

SaaS or on-premise

# Biometric authentication



4 Finger (4F)



Face



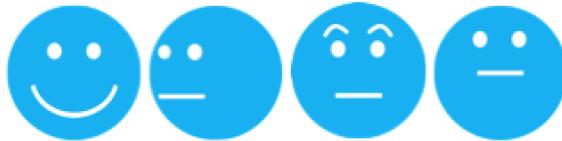
Voice



Fingerprint  
(TouchID)



Iris  
(for tablet)



Liveness detection

# How it works



## Enrollment & registration

New user goes to HRM/ security officer and supplies ID-card.

Learns the app his biometrics and scans a QR code.

The user is now embedded to the application.



## Authentication

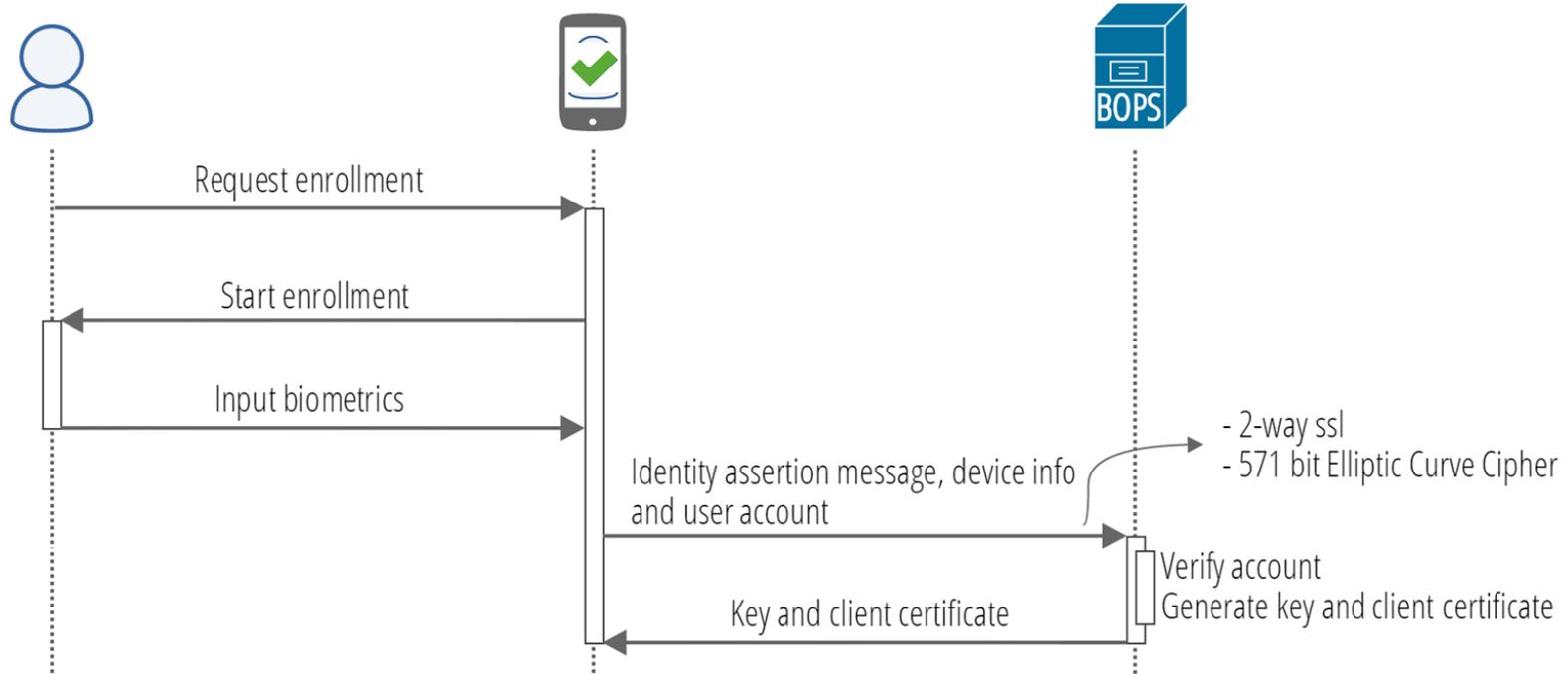
New user can now login authorized on each location with 100% guarantee of the user's authenticity.



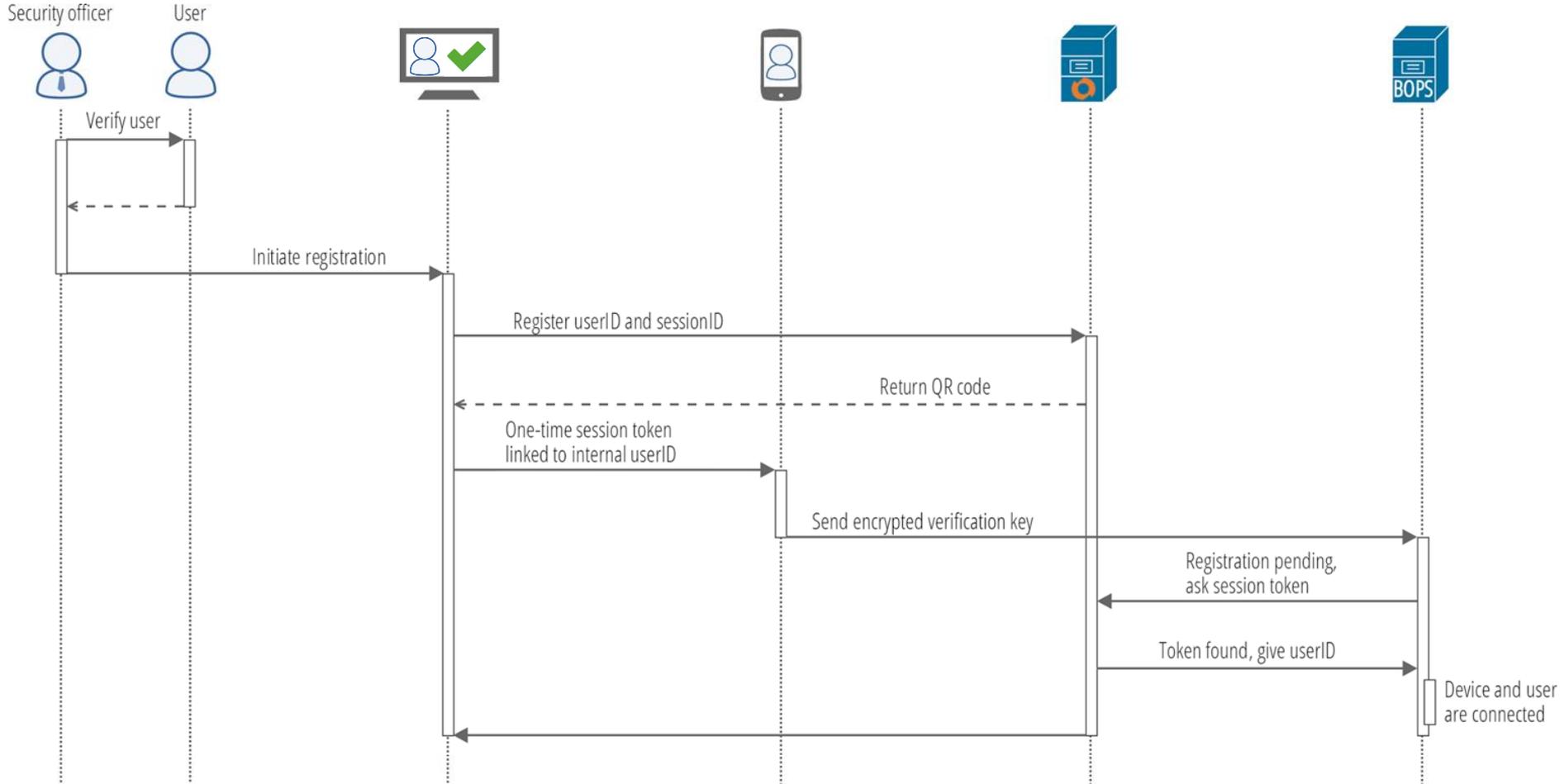
## Audit trail

Workflow steps can now be validated with 100% guarantee of the user's authenticity.

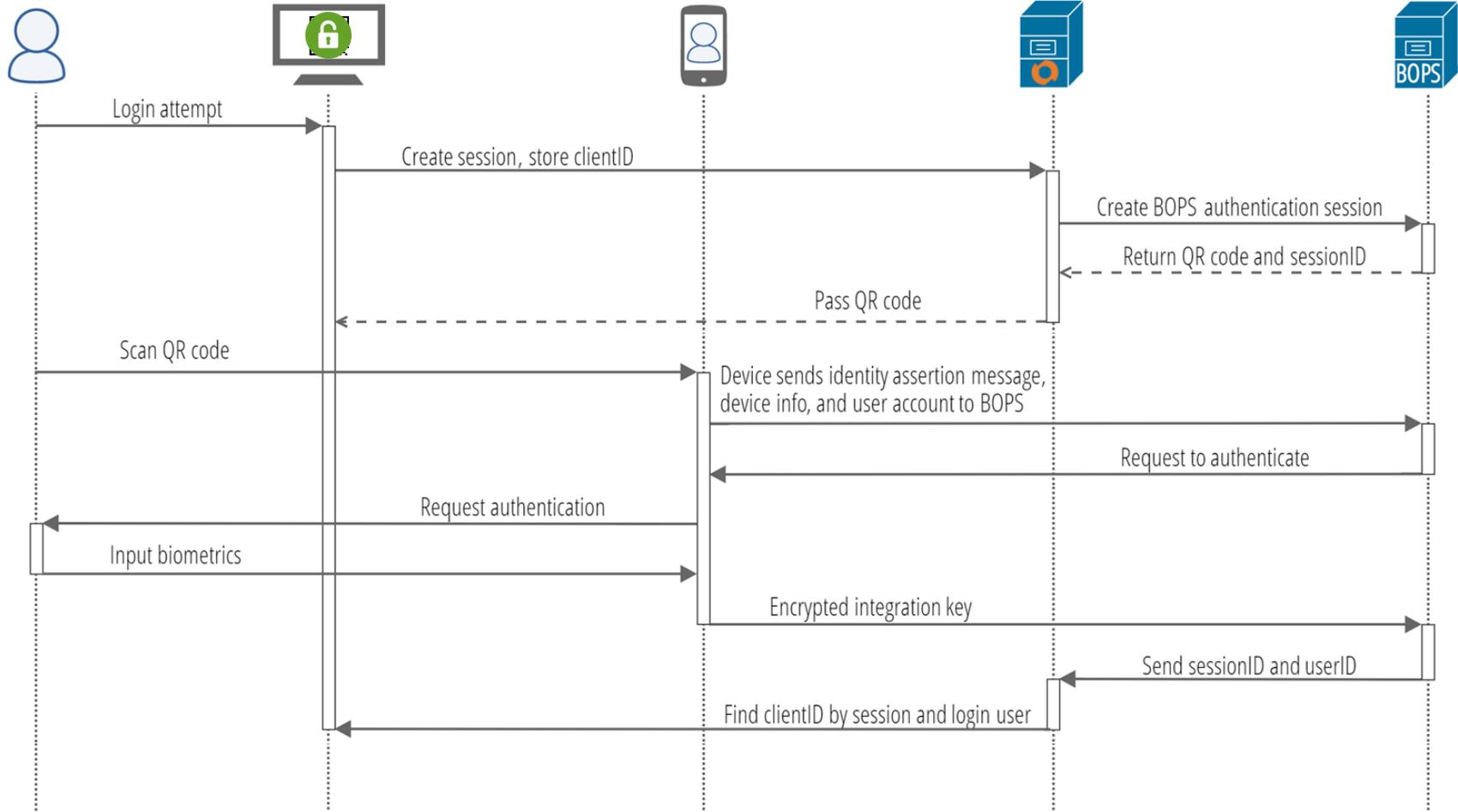
# Phase 1: Enrollment



# Phase 2: Registration



# Authentication and Audit trail





# Would you like to offer it to your customers ?

we will share (Q4):

mSTB\_oneyou

mSTB\_oneyou\$authenticator

BOPS server as SaaS

Including license cost for use HoyosID: approx. € 5 per user per month

API

Servoy Secure app

# All you need to do

Provide unique userID (UUID)

Implement `authenticate$1U()` in your authenticator

Modify your login solution (login form)

Try it yourself now: <http://tinyurl.com/servoy-login>

# Thank you

Questions?