



ThreatMark

Bringing Trust to the Digital World

OTA CERMAK

Head of sales



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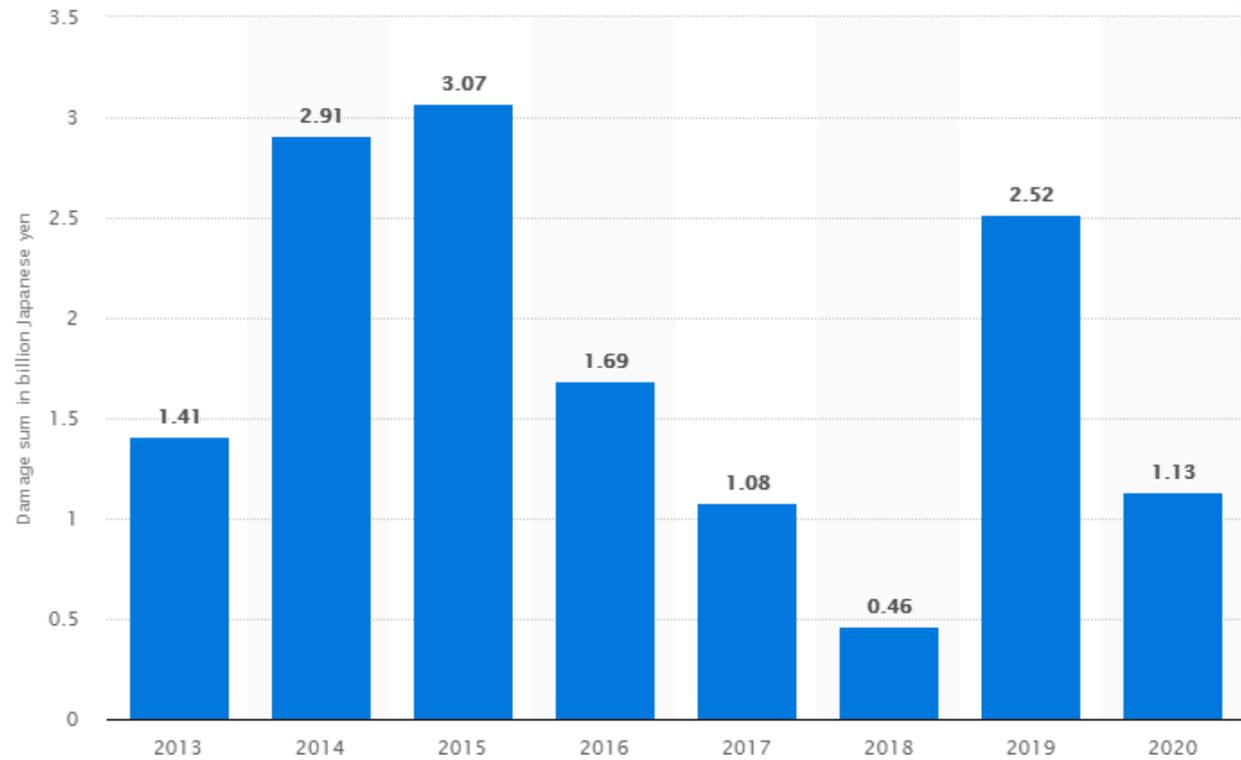
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Anti-Fraud Suite

Holistic approach to online banking security

(in billion Japanese yen)



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*Amount of money lost through damages caused by online banking fraud in Japan 2013-2020

Account takeover

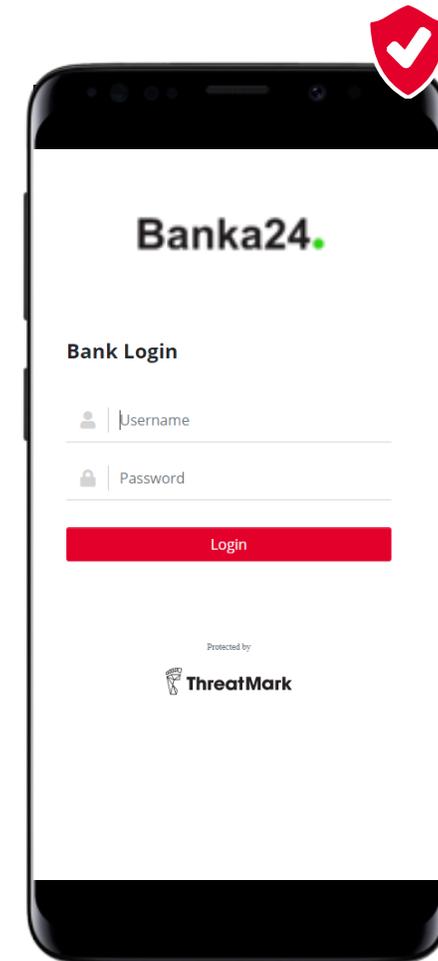
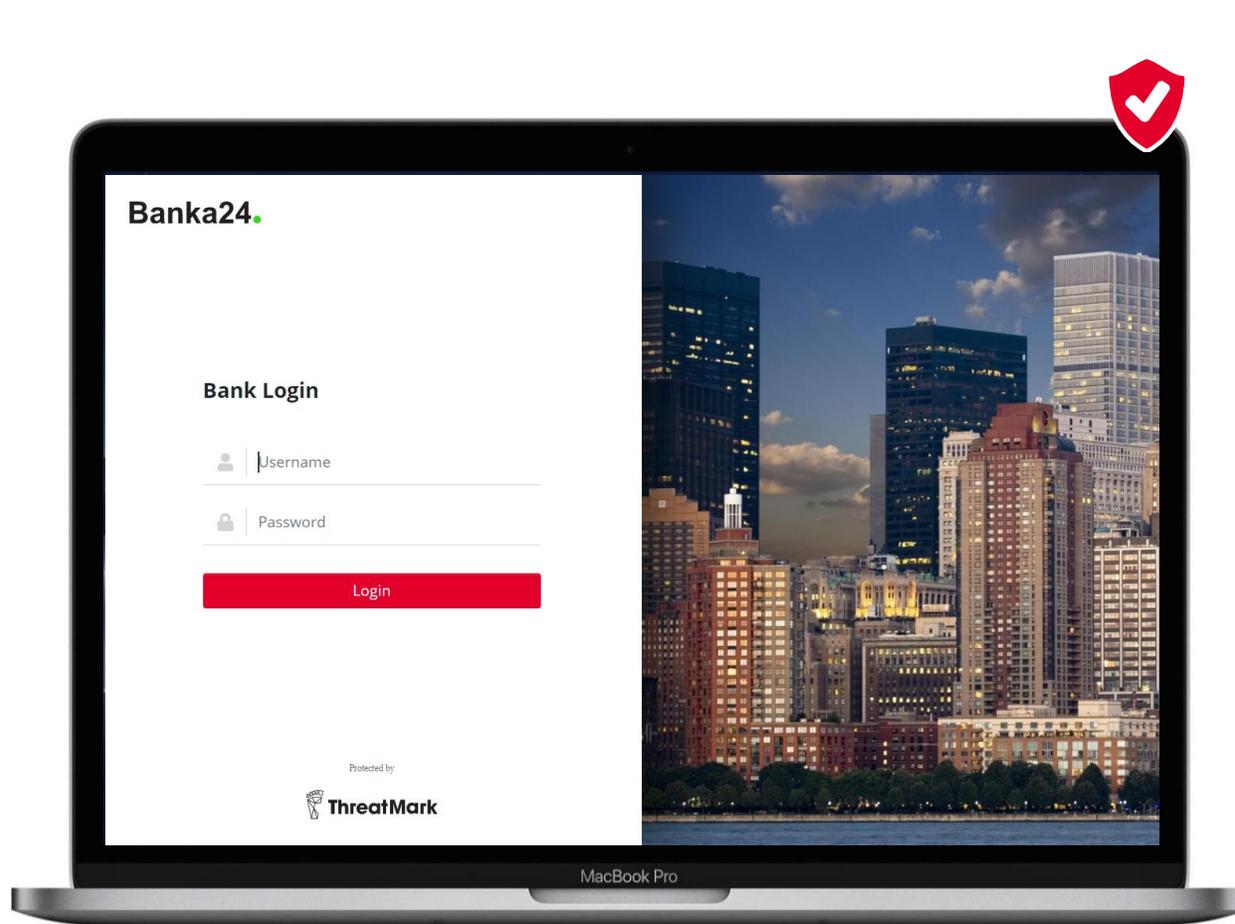
Phishing

Vishing

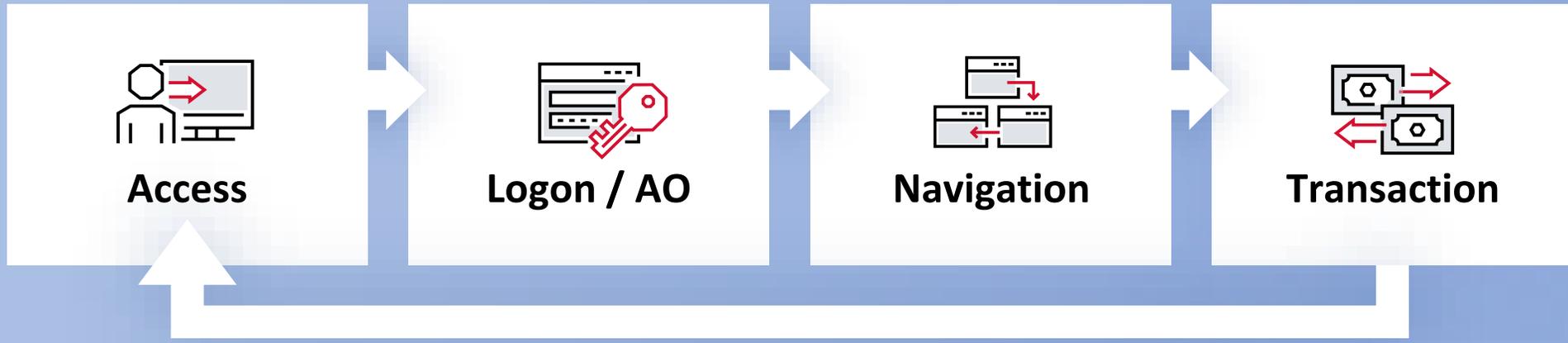
Remote access trojan

Stolen credentials...

Protection for banking digital channels

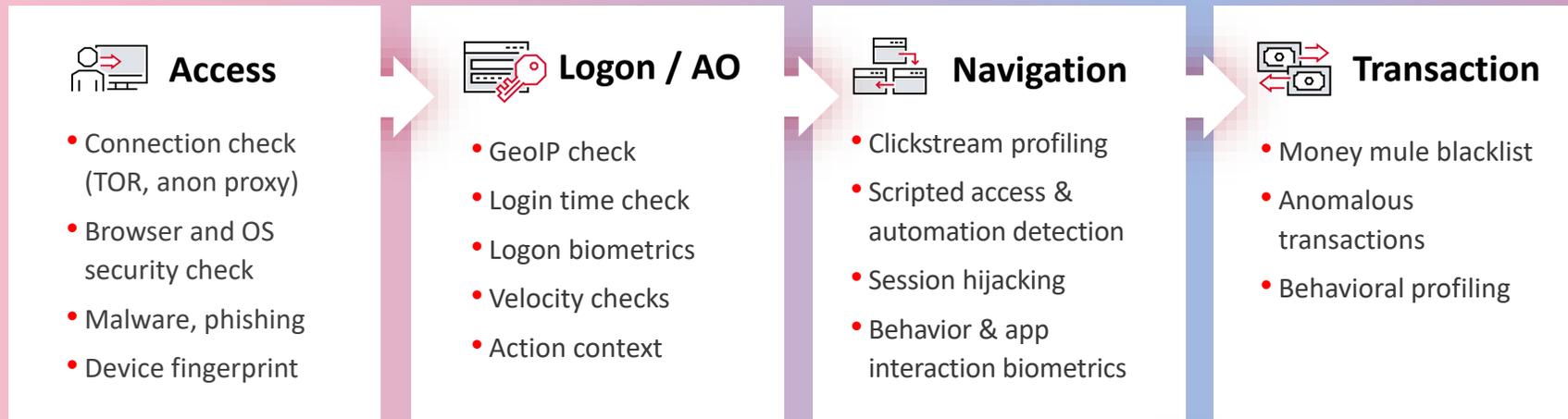


To secure the entire digital customer journey



Our Approach

MOBILE WEB



LAYER 1
Early Warning Threat Detection

LAYER 2
Legitimate User Identity Validation

LAYER 3
Payment Transaction Risk Analysis

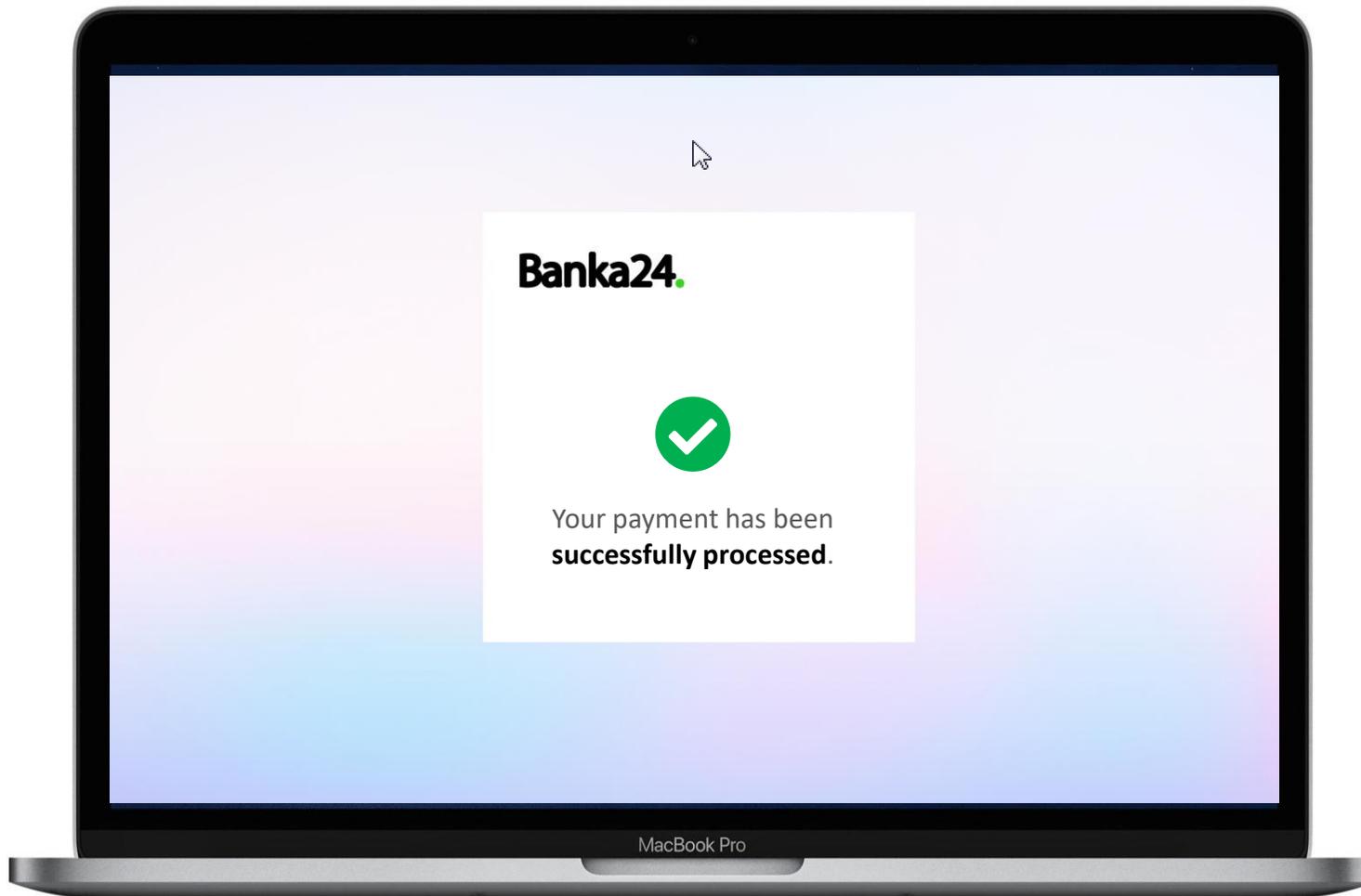
- Phishing, malware, vishing (RAT), BOTs detection
- Threat Mitigation
- SOC & Threat Intelligence

- Detecting Account Takeover
- Detecting Account Opening Fraud

- Transaction Monitoring & RA
- Reporting & Compliance

To TRUST you need to know...

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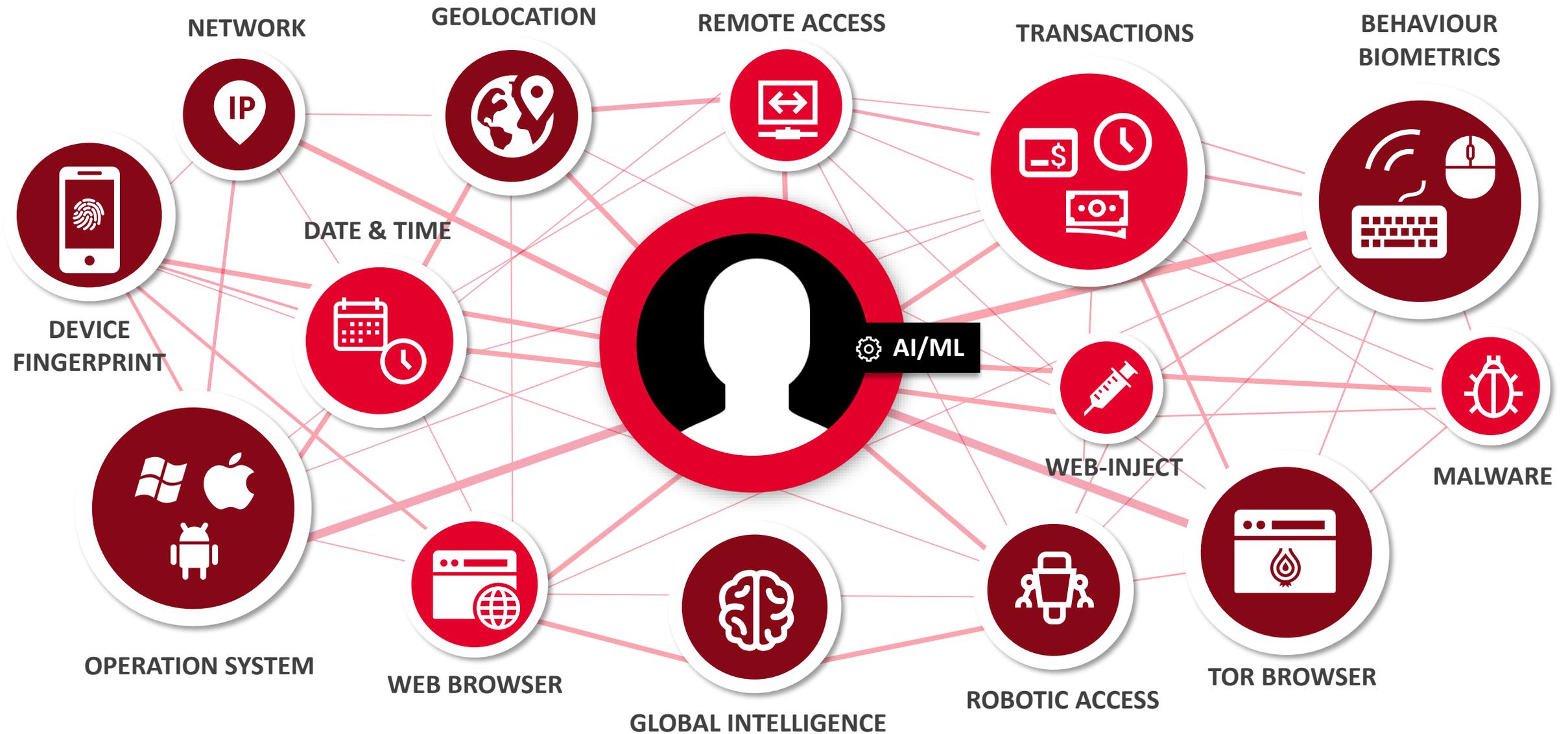
- ✓ Is it your device?
- ✓ Is it a secure environment?
- ✓ Is this you?
- ✓ Is this your typical payment?

Low risk during the whole journey



TRUSTED USER

HOW do we do it



Holistic View Is The Key



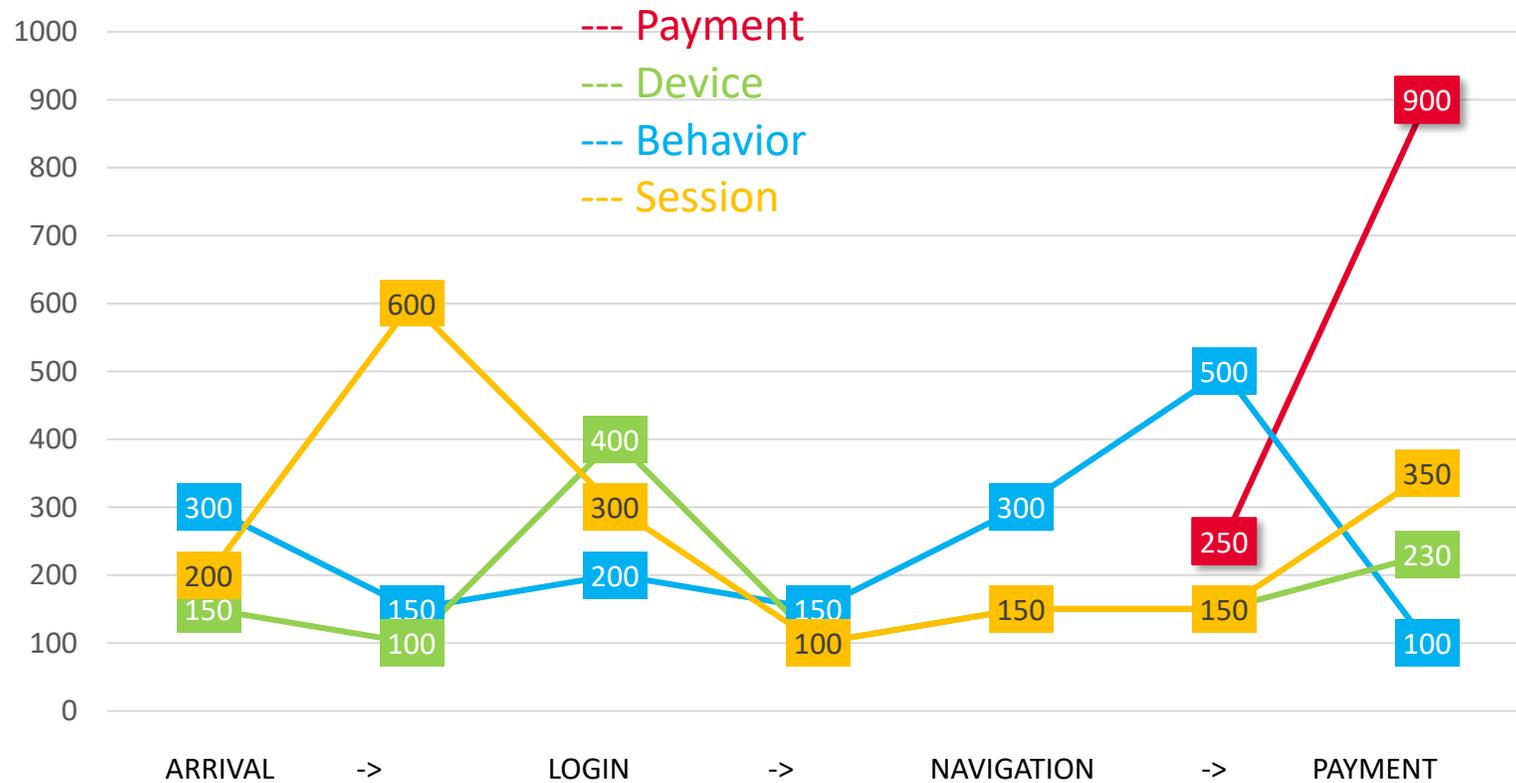
Typical False Positives:

- Suspiciously high amount
- Suspicious time
- Suspicious place
- Suspicious target account nr.

Typical False Negatives:

- Transfer initiated as result of social engineering
- Transfer initiated by malware
- Transfer initiated by BOT
- Transfer initiated via RAT

Holistic View Is The Key

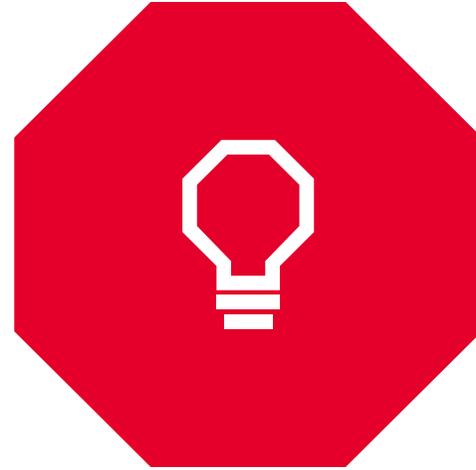


Typical False Positives:

- Suspiciously high amount ✓
- Suspicious time ✓
- Suspicious place ✓
- Suspicious target account nr. ✓

Typical False Negatives:

- Transfer initiated as result of social engineering ✓
- Transfer initiated by malware ✓
- Transfer initiated by BOT ✓
- Transfer initiated via RAT ✓



Main Use Cases

Online Fraud Prevention

Through cyber threats detection, identity verification and transaction risk analysis



Better detection rate than IBM Trusteer*

* Results based on independent test results from a bank



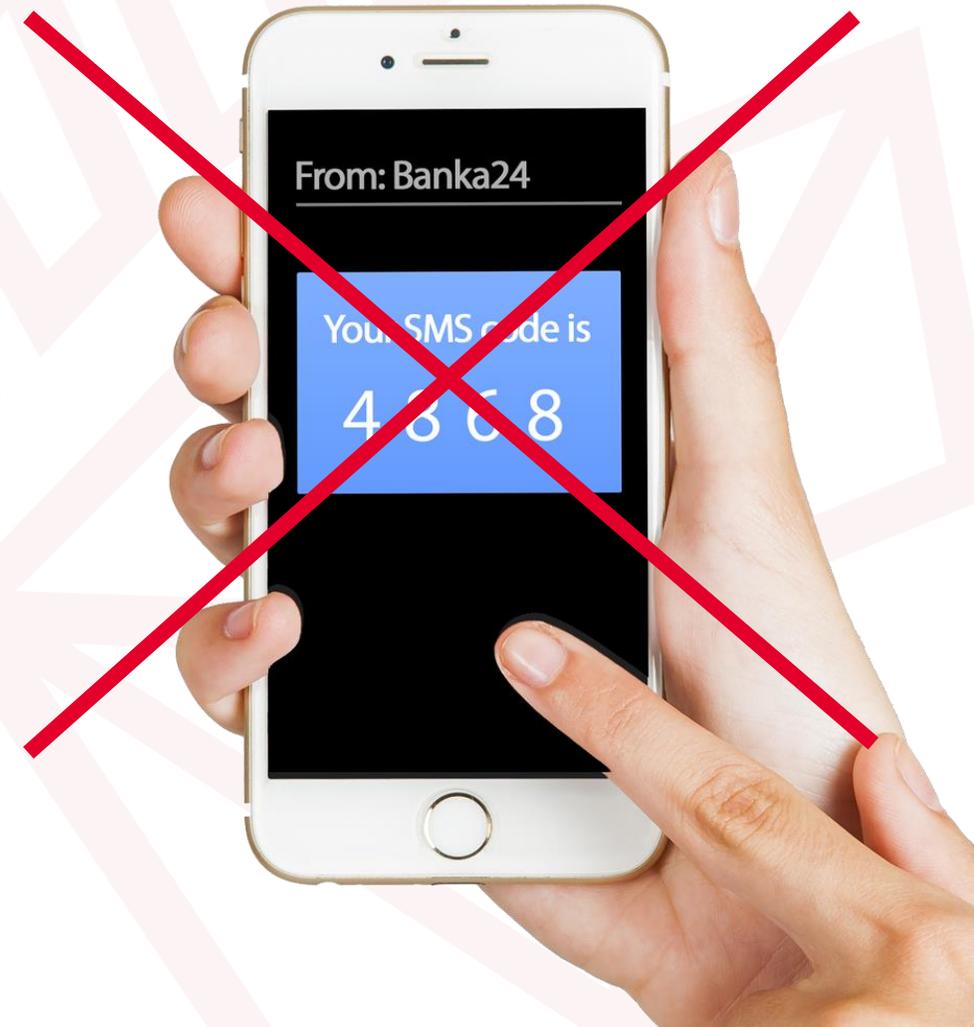
Invisible 2nd Factor Authentication

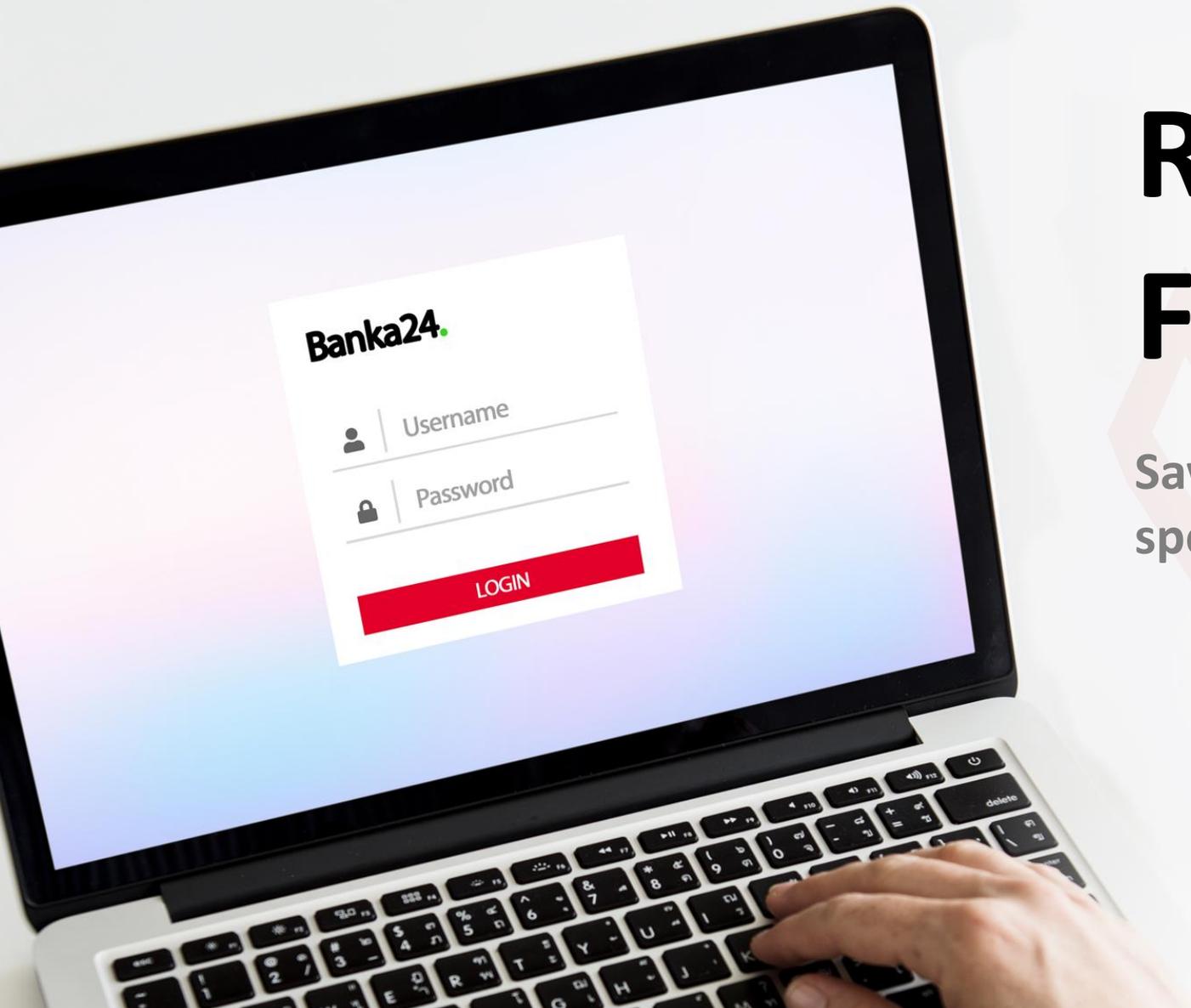
SMS Cost reduction by using AI-powered Adaptive Authentication
Seamless User experience



Saved per year

* Results based on independent test results from a bank





Reduction of False Positives

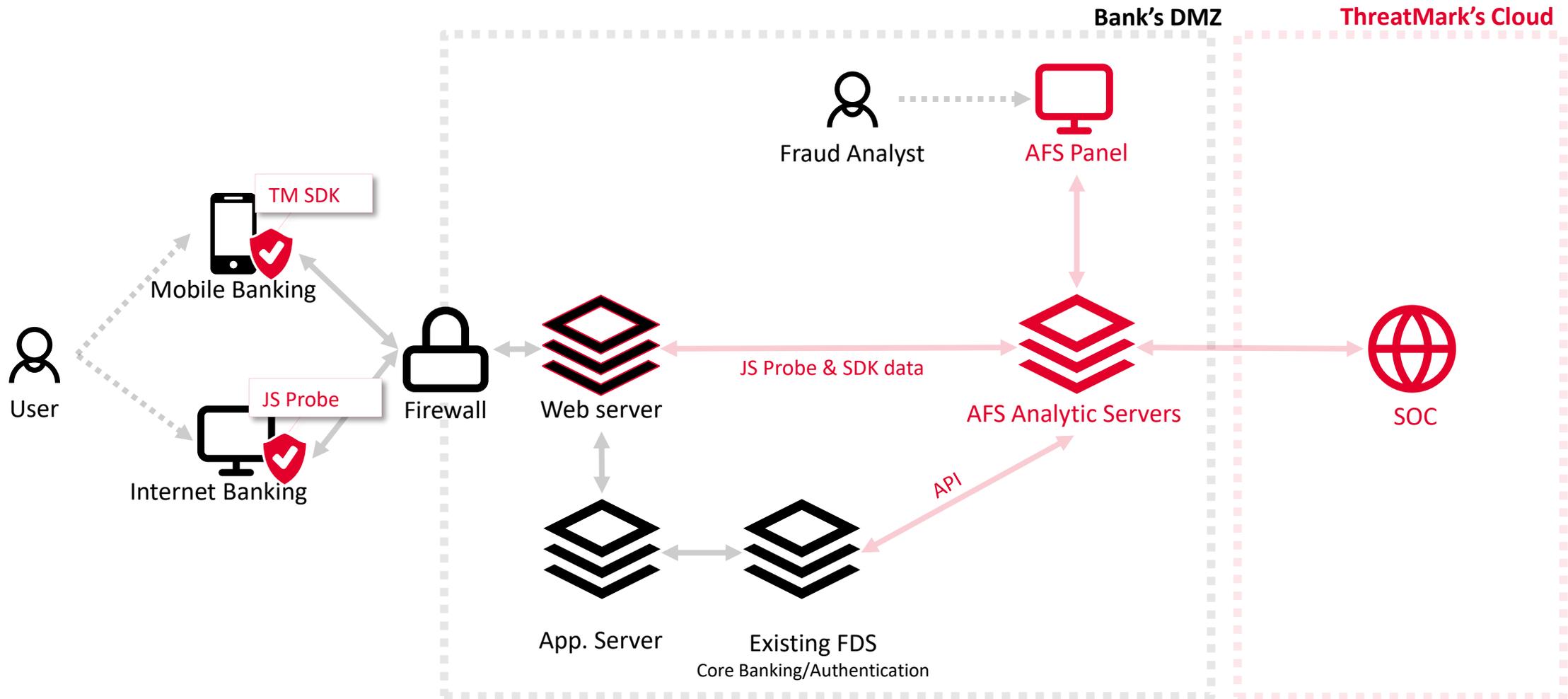
Save resources otherwise spent on manual investigation

99%

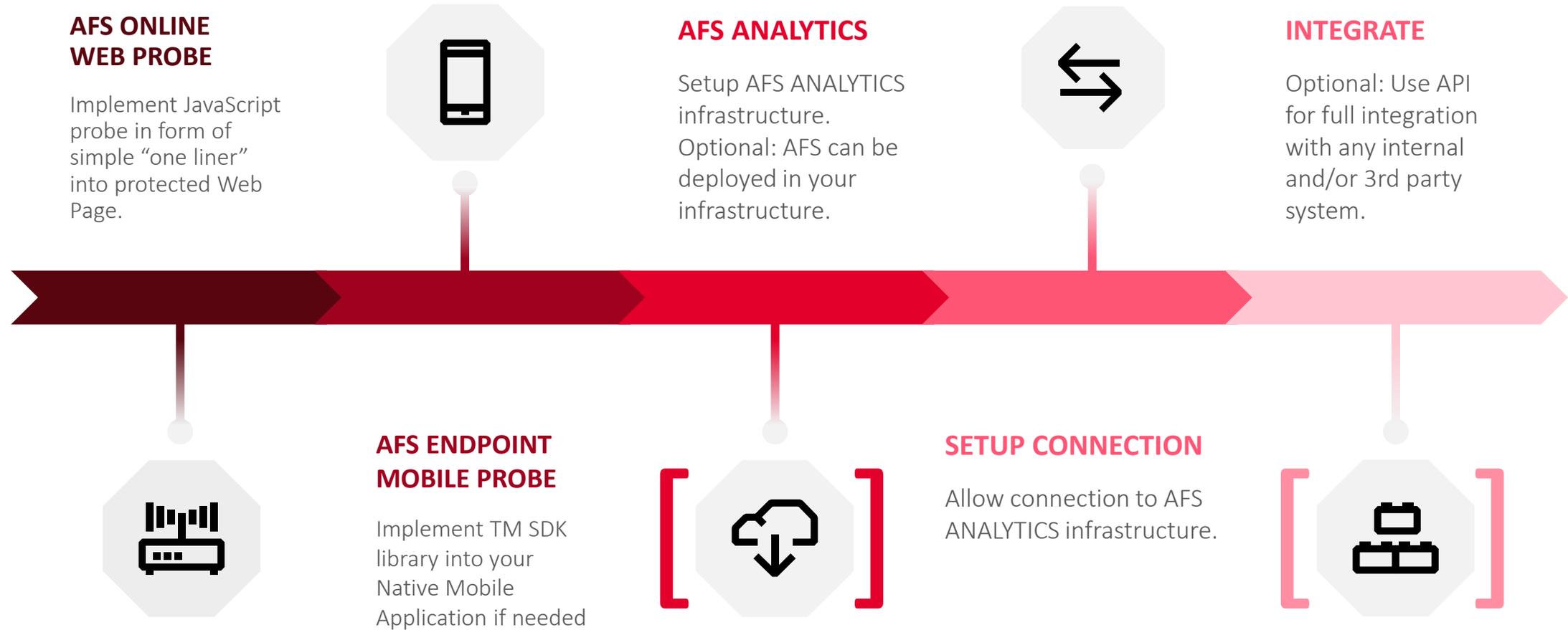
Less false positives than F5 WebSafe

* Results based on independent test results from a bank

Architecture



Easy Deployment in 7 Days



About ThreatMark

 **Founded in 2015**
by former Ethical Hackers

 **Made in Czech Republic**
Active on 4 continents

 **25+ million**
clients protected

 **65+ Experts**
focused on one product

 **High-tech Security Company**
Behavioral biometrics & AI/ML

 **1 billion logins**
Scored yearly

 **Selected over Bigger Competitors**
by large international banking groups

 **Trusted by EU's leading banking groups**
ERSTE, Raiffeisen, Sberbank



ThreatMark AFS

Trusted by Banks and Global Partners

Partnerships



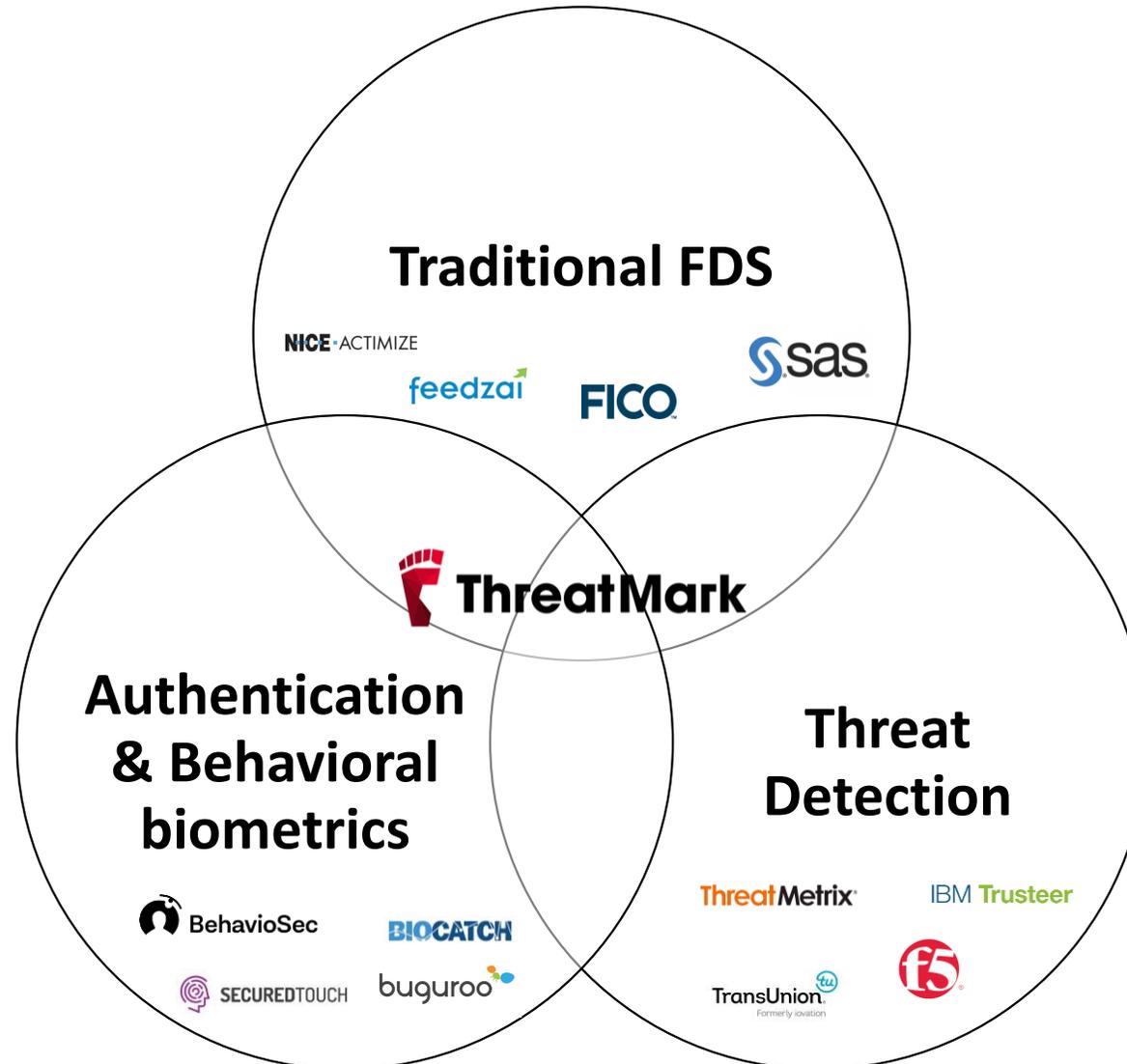
Banking references



Planned / Running PoCs

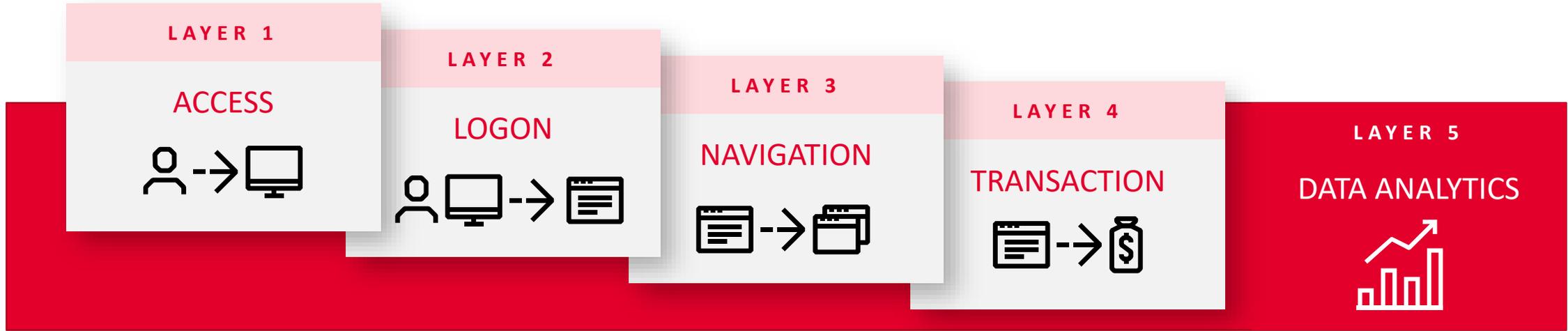


Competitive positioning



Online banking session protection - summary

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Connection check (TOR, anon-proxy)

Browser and OS security check

Malware, phishing

Device fingerprint

GeoIP check

Login time check

Login biometrics

Velocity checks

Action context

Clickstream profiling

Scripted access and automation detection

Session hijacking

Behaviour and app interaction biometrics

Money mule blacklist

Abnormal spending behaviour

Transaction Integrity

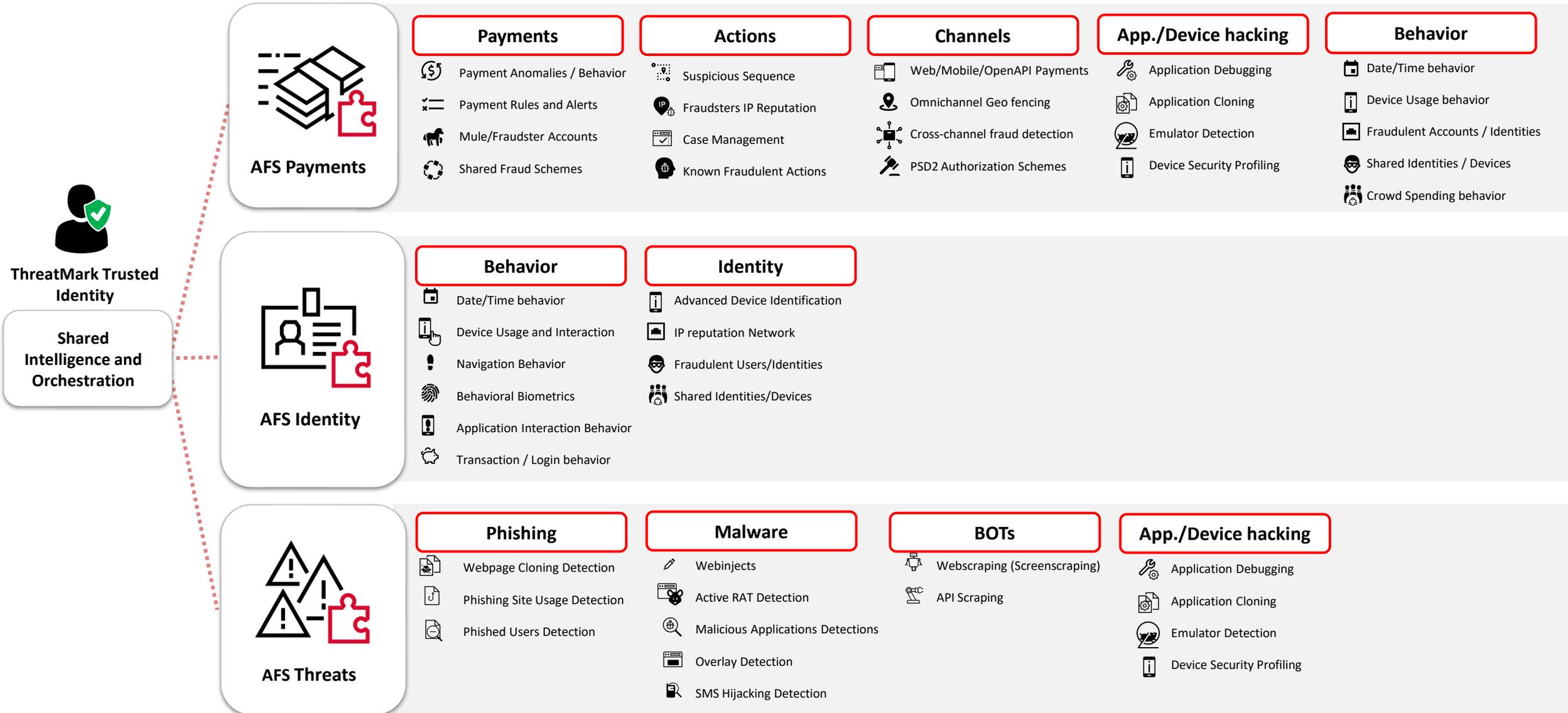
Big Data AI/ML

Continuous User profiling

Human Feedback re-learning

Business Rules

ThreatMark's Trusted Identity



どうもありがとうございました

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