

PKI Data Protection for BFSI

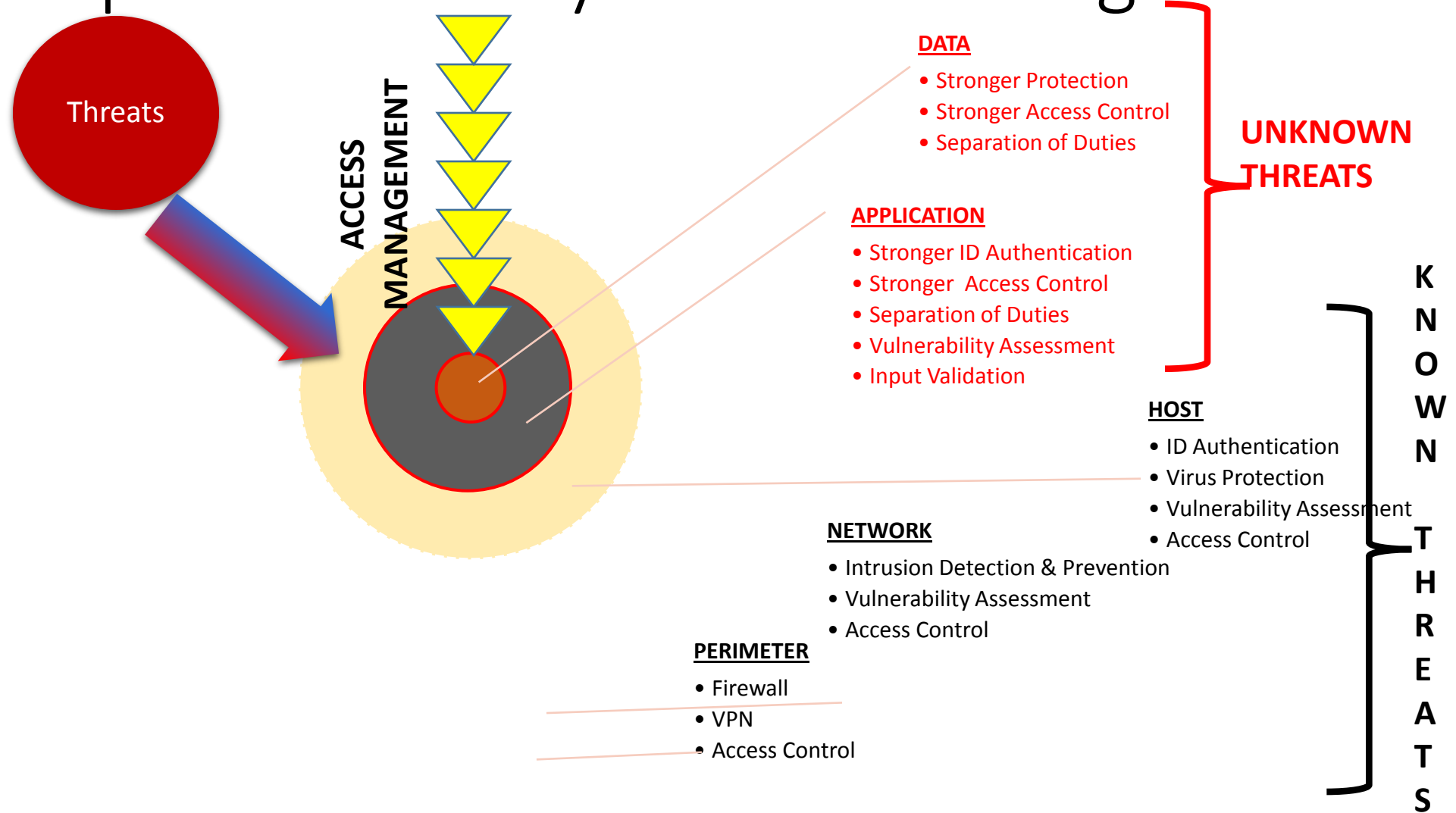
The Impact of Threats

- Attacks are very costly
 - \$1.5 million - \$36.5 million lost every year per company annually
- Information Theft is the costliest loss due to attacks
 - Business Disruption, follows
- An organization encounters 1.4 successful attacks per week
- Average number of days to resolve cyber attacks is 18
 - Malicious insider attacks take more than 45 days to recover



Your data is **PROFITABLE!**

Enterprise IT Eco-system - Evolving



Protection needs to be
centered
on data itself

Data-centric Protection
Objectives

Data
Confidentiality

Integrity of
digitized
information

Accessibility

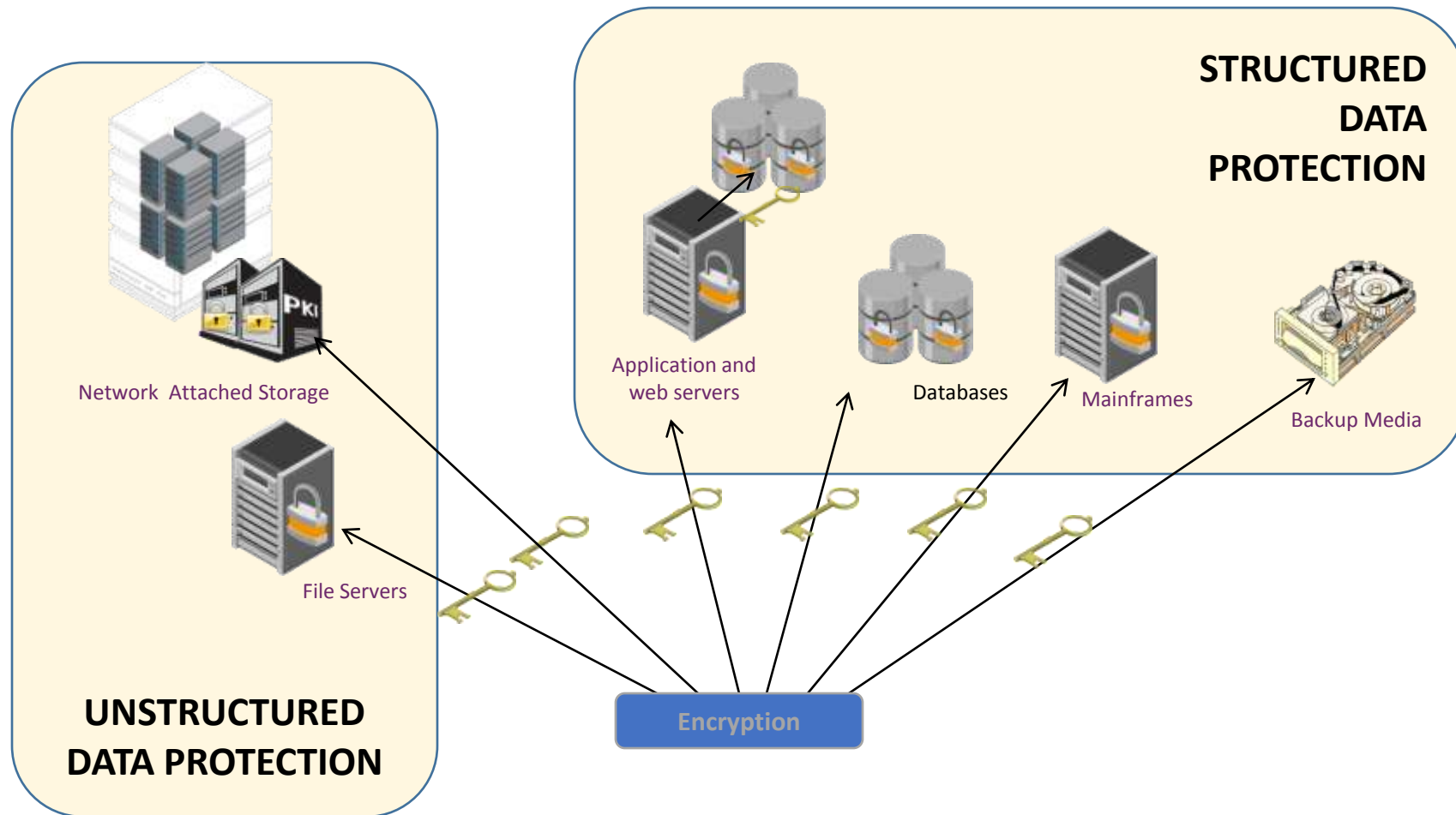
Cryptography for Data *centric* Protection

- Limit use of *<sensitive data>*
- Control access to *<sensitive data>*
- Encrypt *<sensitive data>* in transit
- Encrypt *<sensitive data>* at rest
- Keep *<sensitive data>* confidential
- Keep the integrity of *<sensitive data>*
- Digitally sign *<sensitive data>* for non-repudiation
- Enforce separation of duties of *<sensitive data>* access and administration
- Report and audit your controls



Is Cryptography the core of your Data Protection Strategy ?
Why or why not ?

Data *Centric* Protection – The Framework



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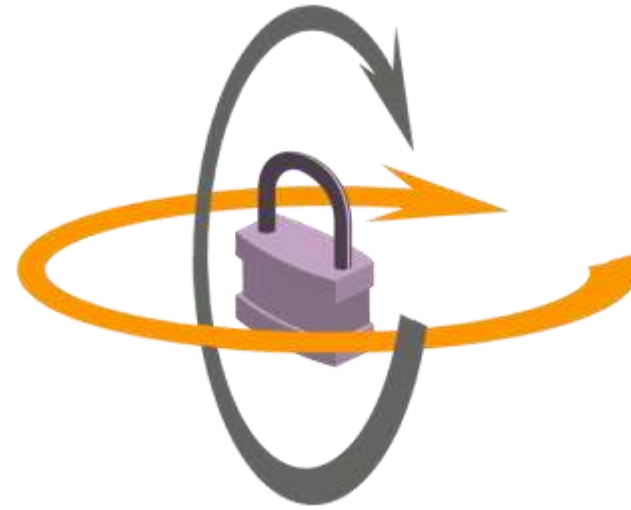
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PKI is an essential process to protect
sensitive data,
provide risk management, and
ease proof of compliance.

Behind every great PKI solution stands a
key waiting to be used

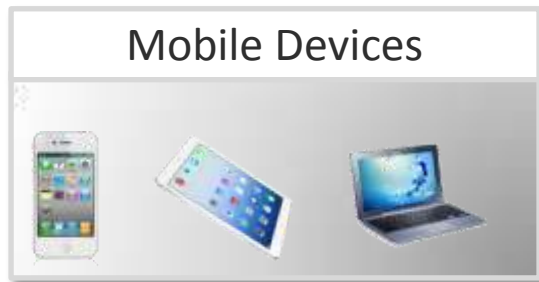
PKI Needs Secure Key Management

- Encryption gave you control over data, but now you need to control encryption:
 - ✓ Make key proliferation manageable
 - ✓ Definitive proof of ownership
 - ✓ Trusted key lifecycle
 - ✓ Controlled access for key usage
 - ✓ No unknown copies of keys
 - ✓ No lost keys
 - ✓ Managed key rollover
 - ✓ Secure key decommissioning
 - ✓ Performance, scalability, and redundancy
 - ✓ Disaster recovery



Trends in the Indian Market

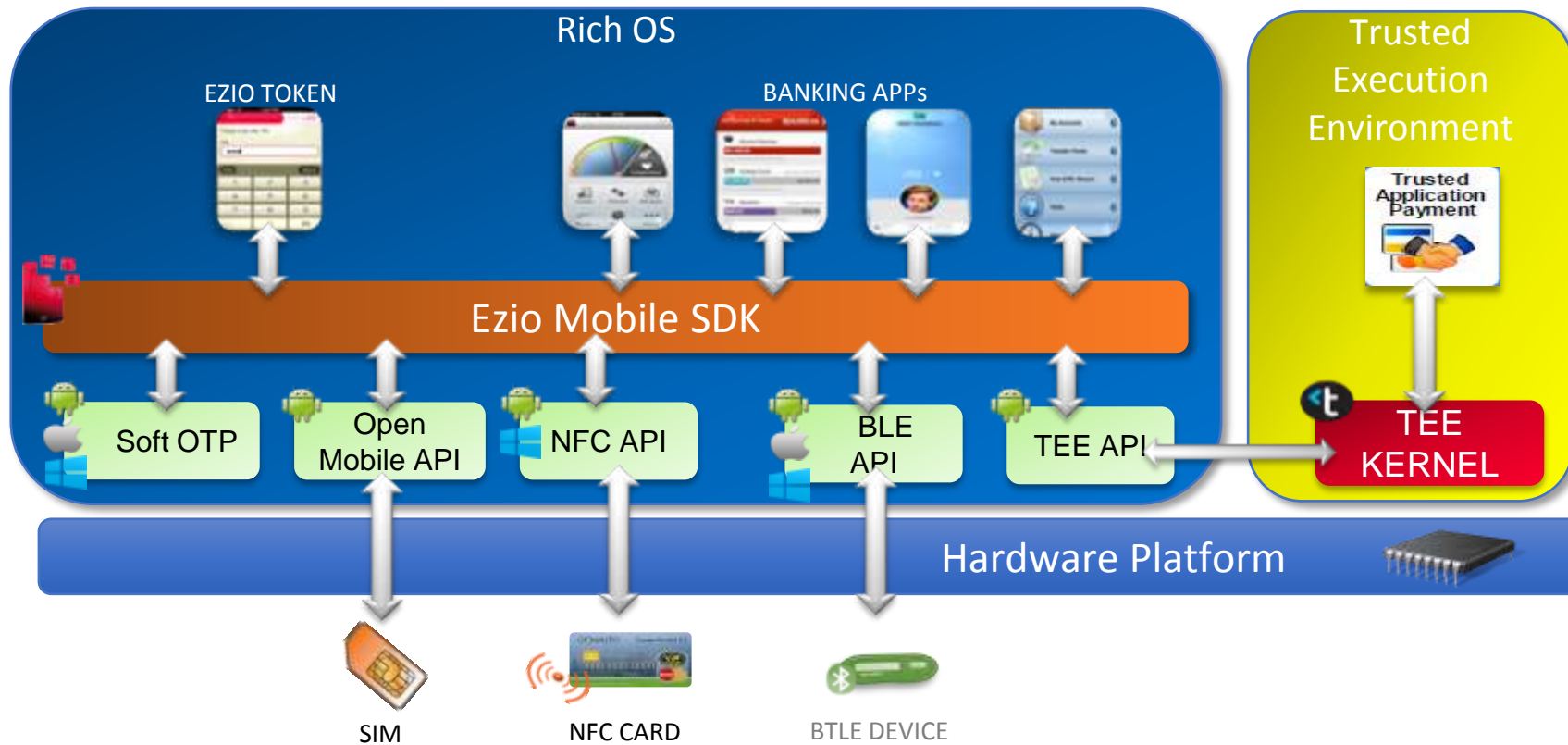
Trends and Projects – PKI Pinpad Readers



- ✘ Extend Pinpad usage to mobile devices for corporate banking
- ✘ Bluetooth Low Energy (BLE) enabled
- ✘ Secure bluetooth pairing
- ✘ Banks currently evaluating technology
 - ✘ Launch by Tier-1 bank in Q4 2015

A scalable mobile security framework to counter further threats

AN ABSTRACTION LAYER ALLOWING EASY MIGRATION TO SECURE ELEMENTS



Trends and Indian projects – Display Cards



- ✖ Main driver - to combat CNP fraud
- ✖ Unique features
 - ✖ Manage batch and telephone orders
 - ✖ Verify my bank feature

Trends and Projects – New Form Factors

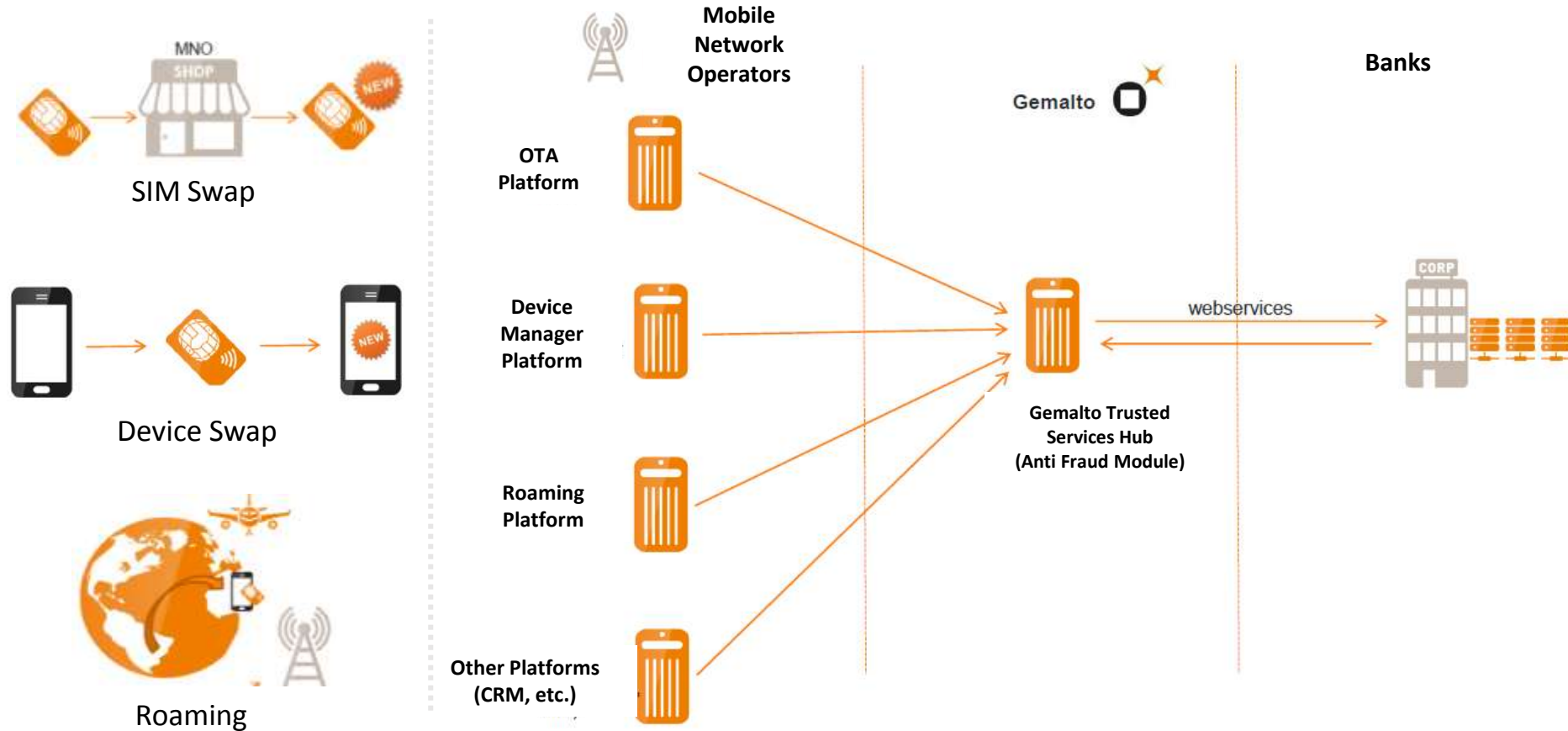


WRISTBAND PAIRED WITH A GALAXY NOTE 4 TO SHOW CORPORATE USE CASES BASED ON eSE



1. Secure email (encrypt/decrypt/sign)
2. Digital signature of document
3. Data protection (pdf file encryption/decryption)
4. Strong authentication to a specific secure zone dedicated to Corporate applications (partnership with Good Technology)

Trends and Projects – User integrity Validation



Thank You