



Android

Android for digital identity wallets

June 2, 2026



Catherine Vlasov

Senior Software Engineer,
Android Platform Security
Google

Key takeaways

Android's Role

Enable OEMs, SE vendors, and wallet providers to fulfill government and user needs.

Key Attestation

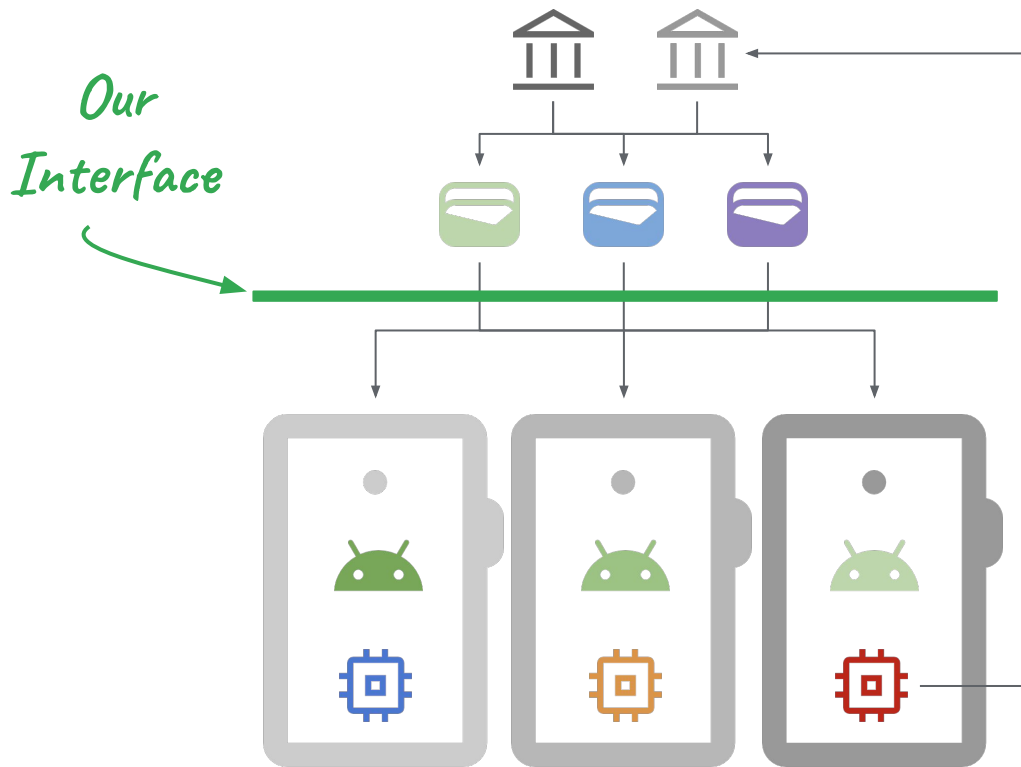
Hardware-backed proof of **device** and **user authentication binding** in a privacy-conscious manner.

Securing Digital Credentials

Bind credentials to keys via Android Keystore to enforce **configurable protection levels**.

Android's Role

Goal: Help OEMs, SE vendors, and wallet providers meet government and user needs.



Key Attestation

Device binding

- Signed by a key provisioned to the secure hardware
- Chains back to a trusted root

User authentication binding

- Lock screen credential and/or biometric
- Timeout (e.g. 5 sec) or for each operation

Privacy

- New devices: attestation signing key is unique to the app and regularly rotated
- Older devices: attestation signing key is unique to batches of 100k+ devices

Format

- X.509 certificate chain
- ASN.1 extension

Securing Digital Credentials

Bind to a **TEE** or **Secure Element**

Leverage **certified** hardware

Require **user authentication**

Rely on **hardware-enforced** protections

Thank you

