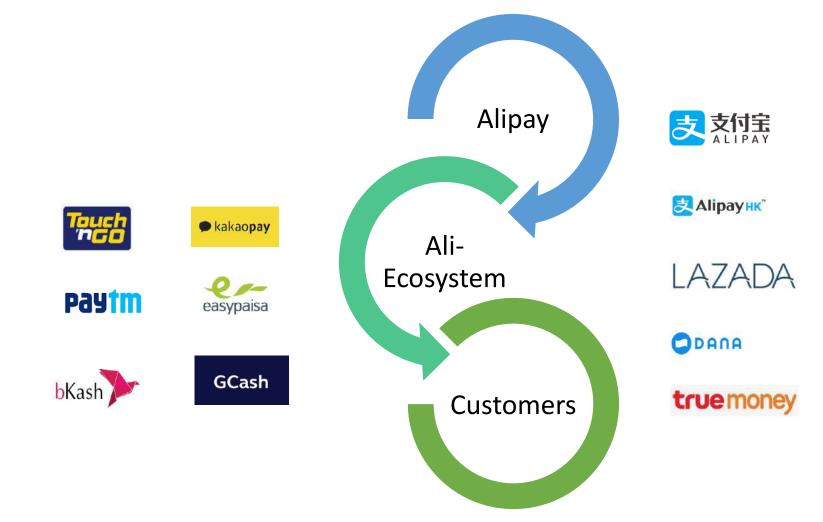
Alibaba Cloud Intelligence

Accelerate Your Digitalization



ZOLOZ Introduction





ZOLOZ leverages matured biometrics and authentication expertise from Ant Financial. **ZOLOZ** Mission: Make Trust Simple!



Digitalization and Identity Verification



e-Bank account opening



Micro-Financing



Mobile operator SIM card registration



Mobile check-in



Online Gaming





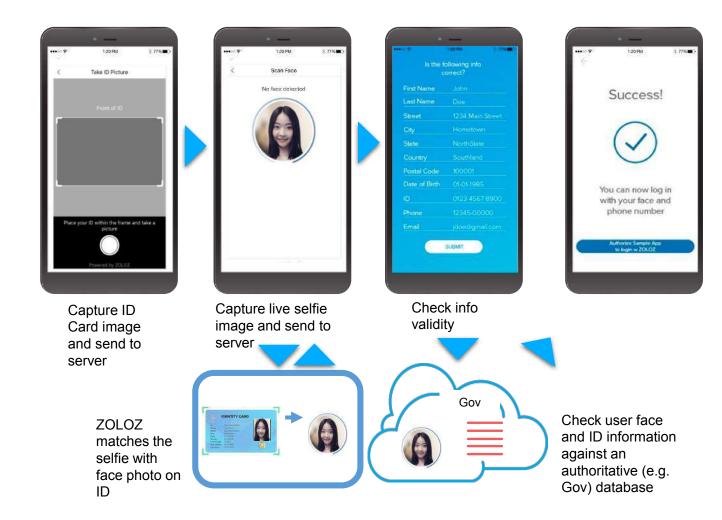
Virtual Assets



e-Commerce

ZOLOZ Real ID

ZOLOZ Real ID provides a digital and remote online solution for eKYC.





ID Verification



Template Check



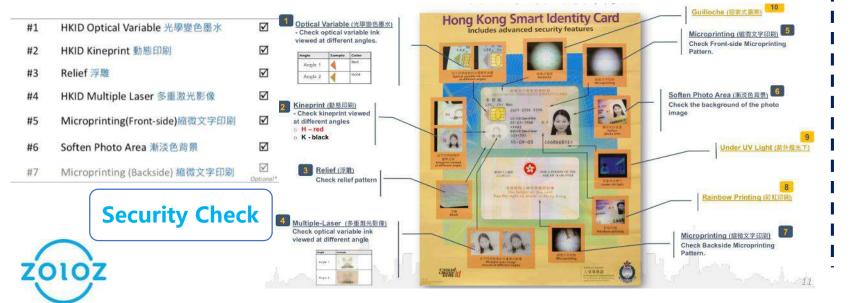
Material Check

Real card Matte surface Screen 1



Paper Coated Paper Screen 2







Tampering Check

Passport Verification



Template Check



Material Check

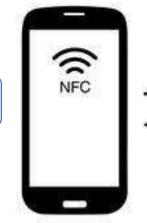
Passport Matte surface Screen 1



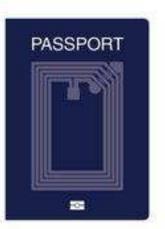
Paper Coated Paper Screen 2

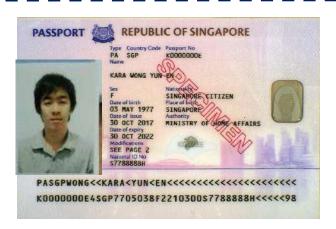


NFC Reading (Pilot)



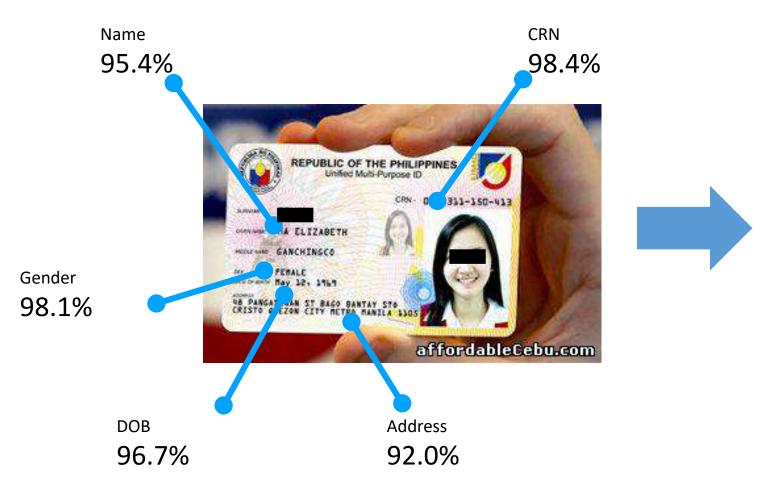
communication

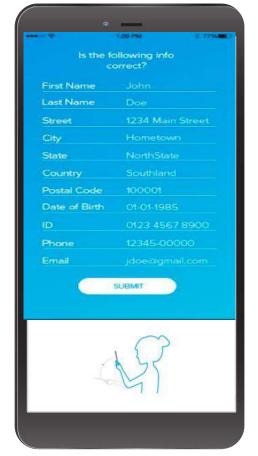






ID OCR Performance





ID document tailored OCR solution to locate and extract data filed with high accuracy

User feedback correction. Al validation and semantic analysis .



^{*} Percentage based accuracy tested with Production Data

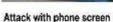
IDs and locations supported – Singapore SaaS





Liveness Attack and ISO certification







Attack with printed photo



Screen retaken attack



Face mask attack



Attackers blinking behind a mask





ZOLOZ is 1 of only 8 companies in the world to achieve this certification

Table 6 Industry Accepted Levels of Attack

Level	Attack Potential	Examples
Level A = iBeta Level 1	Time: short (iBeta 8 hours) Expertise: anyone Equipment: readily available	paper printout of face image, mobile phone display of face photo iBeta also includes: video (from mobile phone) display of face (with movement and blinking)
Level B = iBeta Level 2	Time: >3 days Expertise: moderate skill and practice needed Equipment: available but requires planning	paper masks, video display of face (with movement and blinking), resin masks, latex masks (untargeted subject), silicon masks (untargeted subject)



Optimal onboarding experience – Native SDK

ID Verification

Competitor







ZOLOZ Real ID



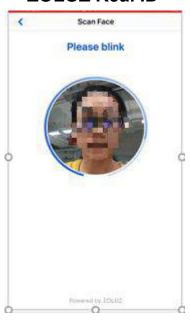
Liveness Detection

Competitor





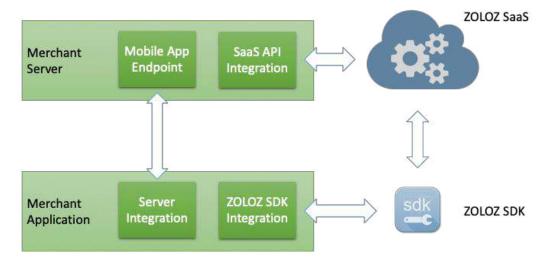
ZOLOZ Real ID



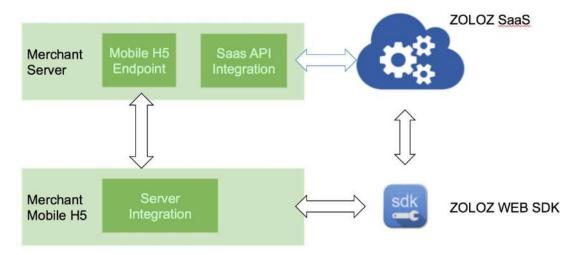


Solution integration options – SaaS

Mobile App SDK



Mobile Web SDK

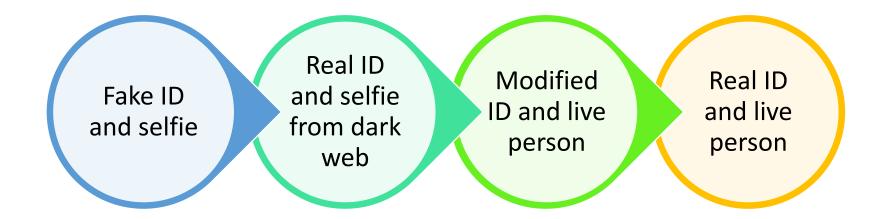


Best in class: Mobile App SDK ~5MB vs. Competition ~20 to 30MB



Fraud Trend on Online Verification

- Online fraudsters tend to use digitally modified ID and selfie
- Online fraudsters don't want to show their own faces
- Online fraudsters like to deploy attack in a large scale





ID Verification





ID network

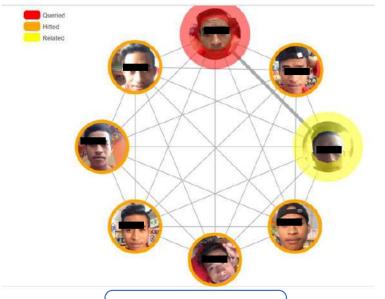


ID network

Powerful Al-based analysis module for name, ID number, photo on ID, selfie and background repeat



Photo on ID repeat



Selfie repeat

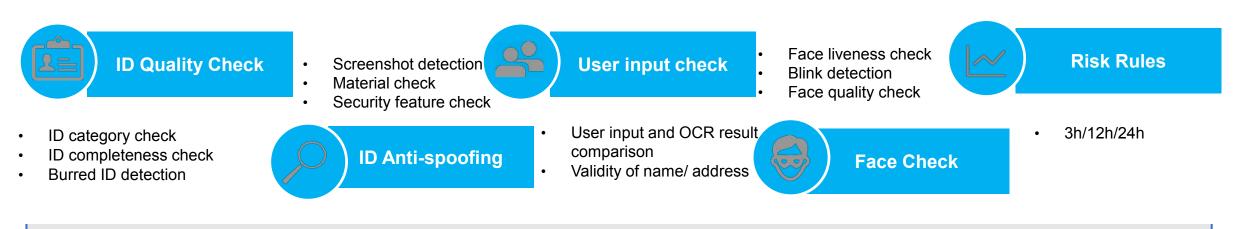


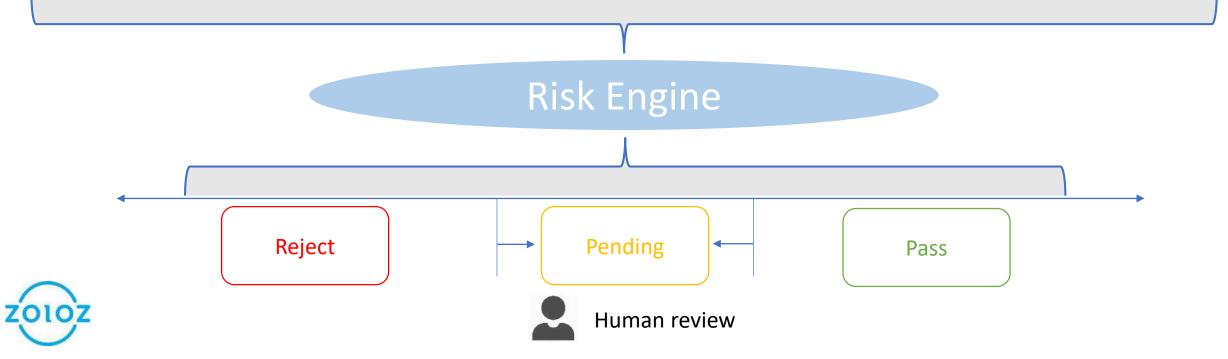
Selfie background repeat





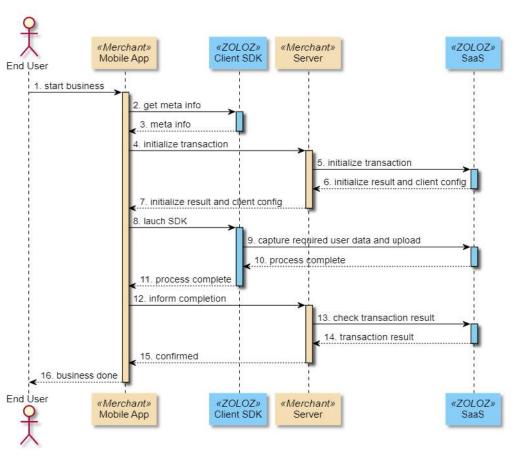
Risk Based Approach



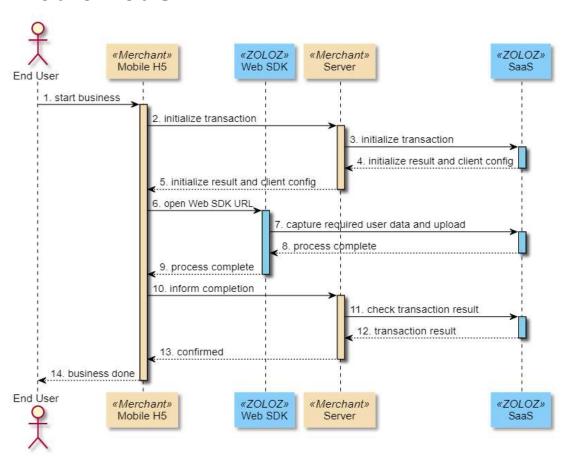


Integration sequence diagram

Mobile App SDK



Mobile Web SDK



Results size: ~2MB



ZOLOZ Real ID Values



Increased Compliance

With biometric verification, user identity is confirmed with more than 99.99% confidence



Reduced Cost

Reduce up to 90% of manual effort for checking data.



Faster Onboarding

Apply in 3 minutes, approved in 10 seconds



Rich AI model and risk engine, identify frauds automatically

Reduce Identity Fraud



ZOLOZ Certifications & Recognitions









ISO Information Security Management

ISO Presentation Attack Detection

Payment Card Industry
Information Security
Certification

Standard for Mobile Identity Technology (ISO TC68)





ZOLOZ Real ID Case Study









Low conversion rate – 18%



High cost – XPHP per app



Long Turnaround time – 5 days ■ Identity fraud – Difficult to find

















Face Match and Liveness



99.86+% Pass Rate

0.1% False Acceptance Rate



99.9% Spoof Detection

Detect Photo, Video and 3D Model



ID face recognition



 ISO Presentation Attack Detection



