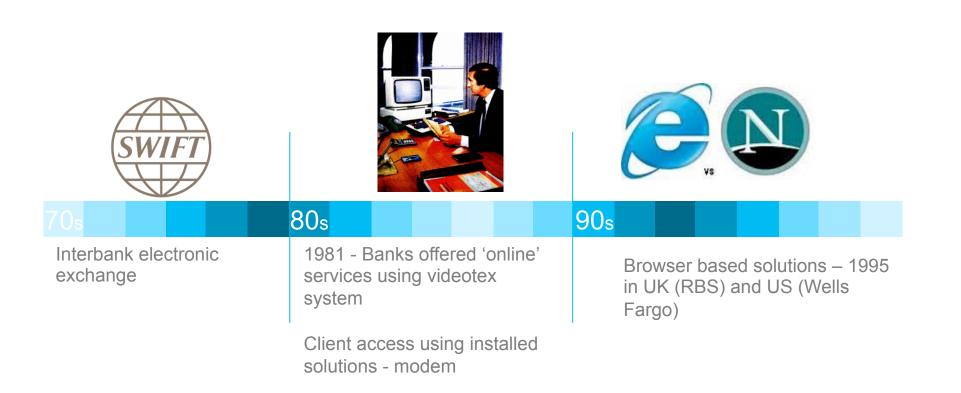
Biometrics in Banking

International Biometric Congress 2018

W BARCLAYS

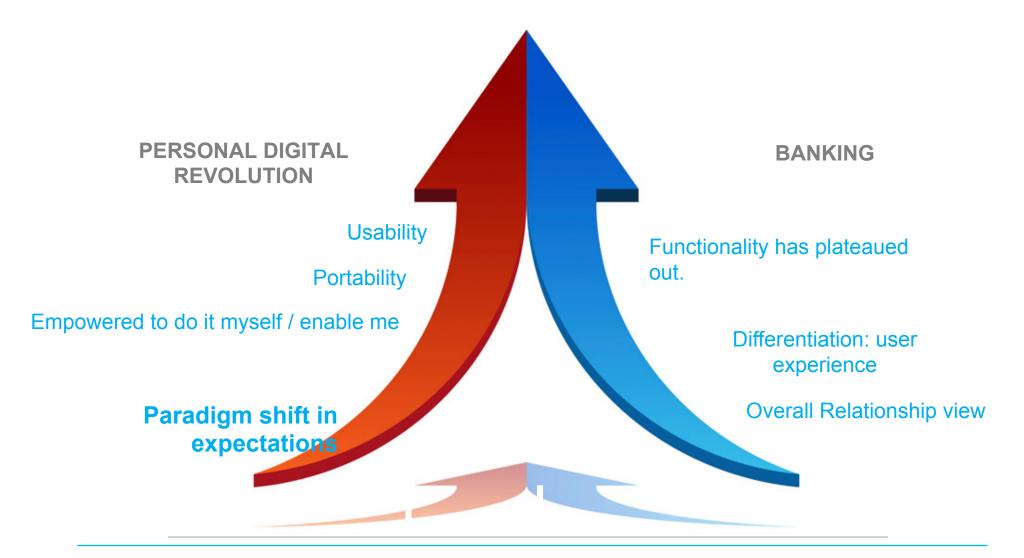


Digital banking





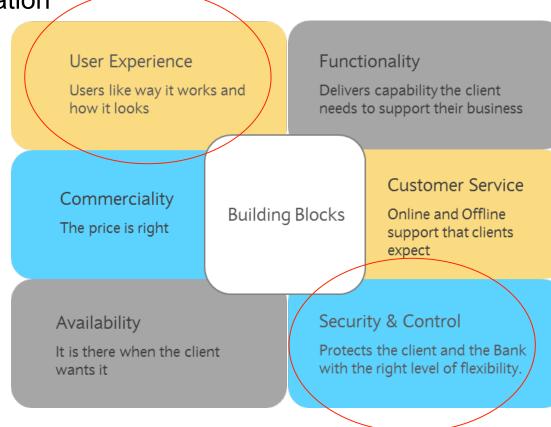
What's changed? Why do banks need to act?



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Security and usability

Security is not the sole consideration



Biometrics gives ideal opportunity to increase both security and usability



Barclays Experience

Barclays Biometric Reader

- Combining fingervein biometrics with digital signing ... a new standard for the industry
- Strong Customer Authentication no credentials to remember or steal
- Eliminate issue of sharing
- Adherence to Payment Services Directive (PSD2)

Voice recognition solution

- Conversation format, not predefined text
- Al learning

Behavioural Biometrics

- 500 different behavioural patterns during a session, Identify human/non-human imposter
- Cognitive factors, usage and device interaction patterns, Contextual factors (transaction type, navigation, device and network patterns)

Fingerprint login for smartphones





Barclays Biometric Reader



What next

Barclays Biometric Reader V2

- Enhanced with 'Sign What You See' activity screen for extra '4eyes' verification
- Portable and pocket-size
- Bluetooth & USB connections

Combining Multiple biometrics







Challenges and vision

• Move away from hardware and software distribution – a key pain point

 Keeping up with changing Biometric information: Using AI in Biometrics – Focus on continuous learning

- Improved CX Biometrics, AI and Beacons
 - Barclays Branch example
- Shared Identity Voice recognition solution

