quadible

Business summary

Quadible is a UK-based cybersecurity startup that helps businesses mitigate fraud, improve customer satisfaction while reducing costs. Cybersecurity and human behaviour are uniquely fused, to introduce game-changing innovation for real-world problems and challenges, creating a real impact on the quality of peoples' lives.

Opportunity

The digitalisation of services and transactions has led to the rise of identity fraud reached $16.9 billion (USD) in 2019, while with the COVID-19 era the number of cases doubled in 2020. Even with the introduction of multi-factor authentication, identity fraud is still skyrocketing. There is a need for a more secure and more user-friendly authentication.

Highlights

- 14+ behavioural patterns
- 3 Partnerships
- 2 EU funded projects

VISA **SΛMSUNG** **Medtronic**

MIRACL repox.io spark works

TAGIT SMART [EU flag] ACTIVAGE PROJECT

Solution

Quadible introduces **Non Identifiable Unique Factor Continuous Behavioural Authentication**. An AI-platform that continuously authenticates users, without the need for any user input, by learning their behavioural patterns.

- Quadible uniquely combined multiple biometrics and behavioural patterns such as the way people move, use their devices, their biometrics and transactional patterns.

- The combination of different types of observations leads to an extremely high accuracy in authenticating individuals by eliminating the errors of each individual behavioural pattern.

Benefits

- **More secure user authentication**; cost reduction on average $4M per data breach
- **Fully frictionless user authentication**, no need for any user input; saves in average 44 hours per year.
- **Privacy-preserving** as the user is the sole owner of the data.
- **Increased trust** of the organisation.

ECS

"Quadible's behavioural authentication solution is a significant step forward"

European Cyber Security Organisation (ECSO)

How does it work?

Assuming a user has your mobile banking app installed on their phone, with our solution integrated, the app will ask them to take a selfie when it is first launched. From that point onward, our solution continuously authenticates them and learns their behavioural patterns.

- **User registration**
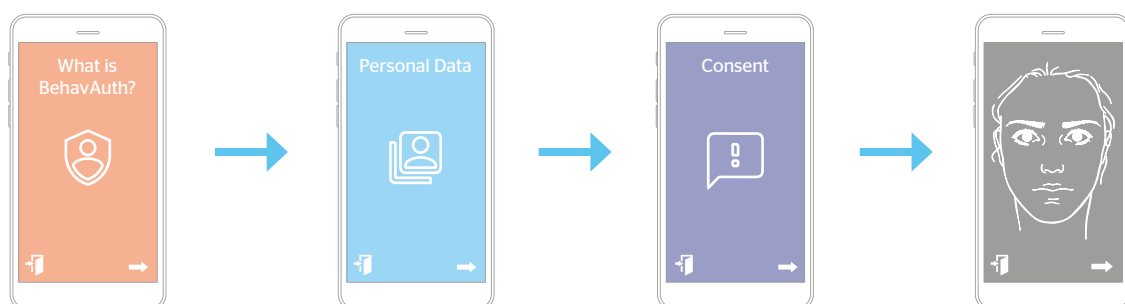
- **Authentication**
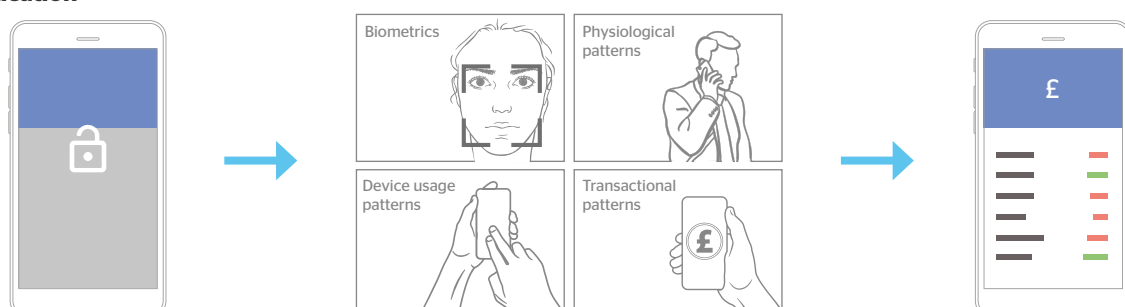
GDPR

Preserving people's privacy is the top priority for us at Quadible. Our solution fully GDPR compliant. To protect peoples' privacy, users are in full control over their data and can opt-out at any point. Anonymisation and encryption of the data take place at the device and infrastructure level and are combined with a secure communication channel between the device and our platform.

PSD2

Quadible helps businesses comply with regulation that requires Strong Customer Authentication such as Revised Payment Services Directive (PSD2) without disrupting the user experience. Strong Customer Authentication is ensured through Quadible's continuous behavioural biometrics, discarding the need for one-time-passwords, card readers, pin code generators.

Department for
Digital, Culture,
Media & Sport

"Top 14 Brightest Stars of UK Cyber Innovation 2019"

Department of Digital, Culture, Media and Sports

Competitive Advantage

Quadible is the only system that introduces a multi-biometric self-compensating continuous authentication system that autonomously learns users' behavioural patterns. Quadible offers a more secure and easier-to-use authentication solution in a lower price. The amalgamation of multiple behavioural patterns enables error compensation of each individual behavioural pattern, leading to close to 100% accuracy.

Furthermore, it improves users' experience, as Quadible learns and continuously authenticates the user in the background without any user input. Current solutions are vulnerable either to security breaches or susceptible to error, not user-friendly as they require some form of input from the user and they do not give users full control over their personal data.

Customers Benefits

1. **The organisation's system is secured** minimising the potential for a data breach, which results in cost reduction due to data leaks

2. **Improvement of the user** experience of the end-users that will actually authenticate themselves to the organisation's system

3. **Increase in productivity** as users do not need to handle credentials by reducing the productivity cost of password management

4. **Time-saving** due to easy integration, continuous support and reduced time spent for a password reset

5. **Increased trustworthiness** due to full transparency over data collected by Quadible and the security of behavioural authentication

End-user Benefits

The final users benefit from secure and frictionless authentication:

1. There is **no need of any input from the users** as Quadible learns the behavioural patterns of the users and authenticates them

2. Their privacy is preserved as **final users are the sole owners of their data**; at any point they can stop the data collection or processing and delete any existing data

3. They **save time and increase productivity** by discarding users' need to input any credentials; smartphone users spend in average 44 hours per year (110 times per day) in only unlocking their devices through passcodes

Awards

- Part of the Visa Innovation Programme
- Winners of the FinQuest Challenge by Alpha Bank
- Memberships: SETsquared, KTN InnovateUK, M3GrowthHub and Oxford Innovations
- Digital Business Acceleration Hubs, Innovate2Succeed and 2-day Entrepreneurship Programme funded by ERDF
- HutZero and Cyber101 funded by the Department for Digital, Culture, Media and Sports
- Supported and funded by the Department of International Trade

quadible