



TTT Moneycorp Case Study

TTT Moneycorp is a provider of global money services to private and corporate customers. For 30 years they have innovated to provide clients with commercial foreign exchange, wholesale banknotes, bureau de change and market-based trading in currency and commodities. The company trades over £11 billion in currencies each year, and has achieved 20% average income growth per annum since 1979. It has offices in the UK, Australia, Spain, the UAE and the USA, and is recognised as a leader in its field.

The Business Need Authenticated security

TTT Moneycorp processes a significant quantity of 'customer not present' financial transactions on behalf of their customers, such as currency trading and large value cross-border transfers. Consequently they have developed a customer solution offering transactions by phone and via an online portal. This transaction solution required a security system offering advanced levels of security to ensure those using the service are identified and authenticated.

Market-leading services

TTT Moneycorp has earned a reputation for offering innovative financial solutions and cutting-edge services to its customers. To maintain this momentum necessitates keeping one step ahead of the competition, and ensuring that any 3rd party systems and applications deployed are quick to implement, and offer flexibility and scalability in anticipation of future requirements.

The Solution

Having confirmed two-factor authentication (2FA) as the ideal fit for user authentication, TTTMoneycorp evaluated various products and suppliers, selecting CRYPTO-MAS from CRYPTOCARD. Not only was CRYPTO-MAS quick and easy to install, but it was configured to meet TTT Moneycorp's individual needs for customer transactions online and by phone. Customers are provided with an RB-1 calculator-style hardware token, which is robust and highly configurable. When the user inputs a unique PIN on the keypad, the token generates a one time password (OTP). The customer will never have to reveal their PIN, and the eight-digit password will be unique in every instance. It is generated using the AES256 encryption algorithm and "base32" OTPs – combining numbers 0 to 9 and letters A to Z. The customer then gives this password to a telephone operator at TTT Moneycorp or enters it into the web portal. Once validated the customer is free to manage their own transactions.



We're a people business and the combination of phone and online management of transactions with CRYPTO-MAS's resilient two-factor authentication gives our customers convenience and security."

Thomas Kadri, Director of Support Services, TTT Moneycorp

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The benefits

CRYPTO-MAS provided an instant, resilient authentication service. The development and installation took minutes as opposed to days, which is impressive given our stringent standards." says Thomas Kadri, Director of Support Services, TTT Moneycorp. Having used 2FA from various suppliers in the past, we were very impressed with the technical capabilities and service CRYPTO-MAS offered, and this has been delivered upon."

User experience

Customers of TTT Moneycorp expect the highest levels of security, as delivered by the RB-1 token. RB-1 is a high-tech and bespoke piece of technology capable of creating highly secure OTPs. It enables each customer to adopt both online and phone-based transactions as simply as possible with their unique PIN. This gives the user complete confidence in the security of their finances. Furthermore this level of technology and security underpins the brand values of the business.

Total cost of ownership

CRYPTO-MAS is a resilient fully managed 2FA service. It requires no investment in servers or IT training and no network implementation. All software components and applications are included at no extra cost. This offers a reduction in capital cost compared to most other server-based 2FA solutions.

Costing of the service is token inclusive, making it transparent and value-driven. It is a true OPEX model. Additionally, the RB-1 tokens have no expiry date and are warrantied for 5 years, ensuring total cost of ownership is kept to a minimum.

Implementation and deployment

To enable the CRYPTO-MAS service within the TTT Moneycorp web application, CRYPTOCard provided a .NET component to link up the online web applications to the CRYPTO-MAS service. This was configured in under 15 minutes.

The future

CRYPTO-MAS gives TTT Moneycorp the flexibility to bring new users and services online quickly and efficiently. CRYPTOCard is proactive in the way it develops CRYPTO-MAS and other security products, with regular updates and new releases of functionality. This accords with the outlook of

TTT Moneycorp and their IT development team, who are now looking at new technology ideas, including the SMS capabilities and automation of user provisioning by CRYPTOCard.

Product overview

CRYPTO-MAS is the award winning cloud-based authentication service from CRYPTOCard. Based on CRYPTOCard's industry leading two-factor authentication technology, delivered as a managed service, CRYPTO-MAS provides unrivalled flexibility and service levels with no up-front investment and affordable monthly user-based costs. CRYPTO-MAS now makes IT security accessible to organisations of all sizes, from 10 to 1 million+ users.



CRYPTOCard overview

Twenty years of technical excellence have won CRYPTOCard the trust of thousands of customers in over 70 countries. With the highest levels of encryption, most robust tokens and lowest total cost of ownership, CRYPTOCard offers unsurpassed value in solutions for positively identifying individuals through strong password security.

The only company to offer authentication in server-based, managed service and build-it-yourself options, CRYPTOCard provides the most flexible solutions on the market for matching customer's password security policies.

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