



PRIMESM Tokenisation

Enhanced PRIME Issuing support for tokenisation services



Tokenisation is now considered one of the best data-protection and fraud-prevention methods available in the industry. Stakeholders across the payments value chain are engaging and collaborating to bring the benefits of this evolutionary technology into play within the digital payments experience.

PRIME Tokenisation is another solution supporting TSYS' Digital Payments and Enablement Agenda for PRIME. As part of our commitment to enabling digital payments for our client businesses and their customers, TSYS has developed its PRIME Issuing capabilities to enable our clients' customers to benefit from secure, connected mobility and fully utilise their latest smartphone or wearable devices for digital payments.

As mobile payments become commonplace, tokenisation payment security technology has proliferated and is now offered by the likes of Apple Pay™, Android Pay™, Samsung Pay™ and more. Payment schemes, such as Visa and MasterCard, are offering token services direct to financial institutions, merchants and partners, enabling them to connect to wallet providers without having direct contact with them.

TOKENISATION

Tokenisation is an effective method for ensuring that a cardholder's Primary Account Number (PAN) remains confidential during the mobile payment experience, as a digital transaction in-app, online or in store (via NFC, mag-stripe or QR code). The secure technology also applies to card-on-file environments with retailers and e-commerce merchants that maintain the PAN.

As an evolution of EMV Secure technology, tokenisation reduces risk through being built on top of existing NFC and EMV cryptographics. By not capturing the PAN at the point of interaction, tokenisation reduces the threat of fraud and prevents data loss from any security breach at the acquirer, retailer, online merchant, or mobile wallet operator – as the tokenisation process allows the PAN to remain safe within the payment scheme/TSP vault.

The PRIME Tokenisation Advantage

PRIME Tokenisation is designed to support all the major scheme solutions/ Tokenisation Service Providers (TSPs) or country-bank specific initiatives. PRIME Tokenisation is also enabled to support all major wallets and will evolve its support as new wallets come into play.

Token Provisioning

PRIME Tokenisation supports token provisioning where the issuing institution is enabled against a Token Service Provider (TSP) scheme. Deployed at the issuing institution, PRIME Tokenisation provides additional enablement to its PRIMESM Online Authorisation and Switching solution and PRIMESM Issuer clearing capabilities to enable an issuer to respond to token creation and approval requests in the appropriate compliant message format for multiple scheme/providers and support set-up of required authentication.

Token Processing

PRIME Tokenisation supports token processing where the cardholder is tokenised. Deployed at the issuing institution, PRIME Tokenisation provides specific enhancement to PRIME's authorisation and clearing support to enable an issuer to perform authorisation and provide the appropriate mandated approval or decline message response, followed by clearing.

Token Life Cycle Support

PRIME Tokenisation provides a set of life cycle support operations related to actions performed within PRIME toward card renewal, reissue and replacement, as well as to card product changes. PRIME Online authorisation communicates the appropriate messages so the Scheme Token Vault becomes up to date and manual efforts are alleviated.

KEY BENEFITS

- Enable issuing institutions to facilitate digital payments
- Extend offering for cardholders to include tokenisation security
- Compliance and support for major tokenisation schemes
- Reduce risk of stolen card fraud
- Reduce risk of merchant compromise, security breaches
- Facilitate authenticated and secure card-not-present transactions

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