FSS
POWERING
PAYMENTS

FSS Unified Issuance Platform

Cloud-Ready, API-first Card Issuance Platform

Disruption and innovation continue apace in payments, with its influence as a driver likely to go into overdrive. For card issuers there is an array of new challenges fed by rapid technology innovation, the entry of new players and a growing adoption of real-time payments and alternate payment mechanisms. Alongside this, cardholder expectations have become more demanding. To keep pace with emerging trends, it is crucial that forward-looking issuers adapt their technology to better align with customer preferences, enable the rapid rollout of innovations at scale and achieve processing efficiencies.

Trusted Card Issuance Partner

With more than 30 years' experience, FSS is an established leader in cards issuance. FSS Unified Issuance Platform (UIP) benefits 240 institutions worldwide -- established banks, fintech, neo banks and digital banks -- and powers issuance of 800 million cards globally.

A cloud-ready API-first platform, FSS UIP offers unrivalled speed to market - supporting multi-institutional, multi-wallet, multi-currency, physical and virtual card issuance. A flexible business framework enables financial institutions to rapidly launch differentiated products in response to evolving market needs. Additionally, FSS UIP supports added value capabilities including dynamic spend configuration, real-time fraud prevention, and card analytics for actionable insights.

Through its extensive suite of APIs, FSS UIP orchestrates expansive service ecosystems by embedding card payments within third party party partner systems. Working seamlessly with front-end channels such as wearables, mobile wallets, and branch solutions, as well as scheme partners and back-end Core Banking System, FSS Unified Issuance Platform allows issuers complete flexibility to deliver innovative products and experiences that create lasting value for cardholders.

FSS UIP extends multiple deployment options for financial institutions with on-premises (licensing) and 'As a Service' through flexible models including FSS Hosting or FSS in the Cloud.

Complete Card Lifecycle Management

FSS UIP manages the complete lifecycle of physical and virtual cards-spanning customer profiling, issuance, activation, fee management, card inventory, post-issuance support and fulfilment over a single platform, enabling issuers to effectively manage card portfolios and boost operating efficiencies.

Single Solution Covering Complete Spectrum of Cards

FSS UIP supports parameterization of critical business functions providing issuers the flexibility to to launch a wide set of card products outof-the-box. This includes multi-purse, multi-currency credit, debit and prepaid cards leveraging non-EMV, EMV and contactless technologie.

Delight Customers with Digital First Card Programs

Digitally minded consumers expect instant, simple, embedded payment experiences. FSS UIP enables issuers to provision cards on any device - bank wallet, third party wallet, wearables - within a few minutes.

Cardholders can manage their payment credentials digitally, including access to transaction history and balance information, alerts, and access to card benefits. Cardholders have the added benefit of controlling by defining where, when, and how cards can be used. Customers receive notifications in real-time when controls are breached, or abnormal transaction activity is detected.

Issuers benefit in terms of expanded transactional points, improved card activation rates and higher usage. The Virtual Card API supports quick integration with front end devices, improving time to market.

Elements of a Digital-First Card Program

Spend
Management

Instant Card
Issuance
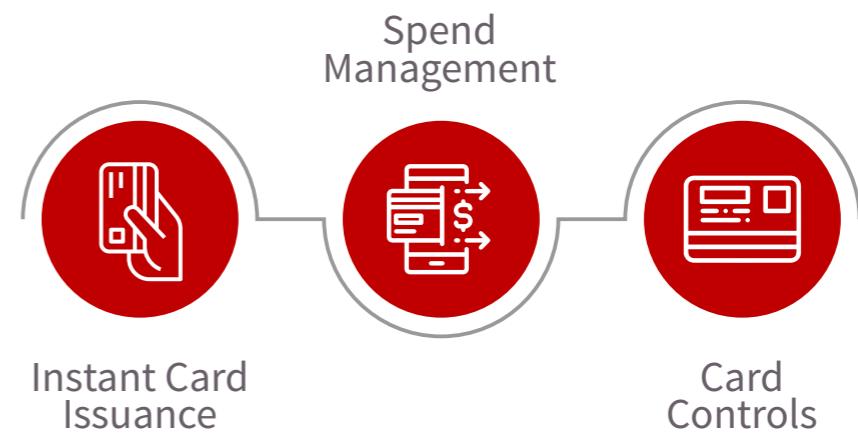
Card
Controls

Wide Range of Segments and Use Cases

Single-use virtual cards
Example, one-time
ecommerce purchase

Payroll cards for
gig workers

General purpose cards
for in-store and online
purchase

Corporate expense
cards for employees

Embedded finance-
Embed payment
capabilities across
any vertical

Supplier
payments

In-Branch Instant Issuance for Top of Wallet Placement

FSS enhances the instant card issuance process by giving financial institutions an easy way to deliver personalized physical cards for new accounts or for those in need of replacement due to lost or stolen cards. The chip card plug-in allows issuers to interface with Instant Issuance software applications for full management of card data preparation and personalization.

Offer Enhanced Digital Experiences

CardPro, a secure mobile app, allows issuers to deliver digital experiences that customers now expect.

Compatible with Android and iOS devices, CardPro provides consumers a convenient, simple way to stay in control of their card accounts. CardPro drives purchase frequency and deepens customer relationships. with a broad range of services

- Digitally order and activate cards

- Monitor spends and usage

- Manage card accounts–block card, unblock card, change PIN

- Receive loyalty offers, discounts, and merchant-specific rewards, in real-time
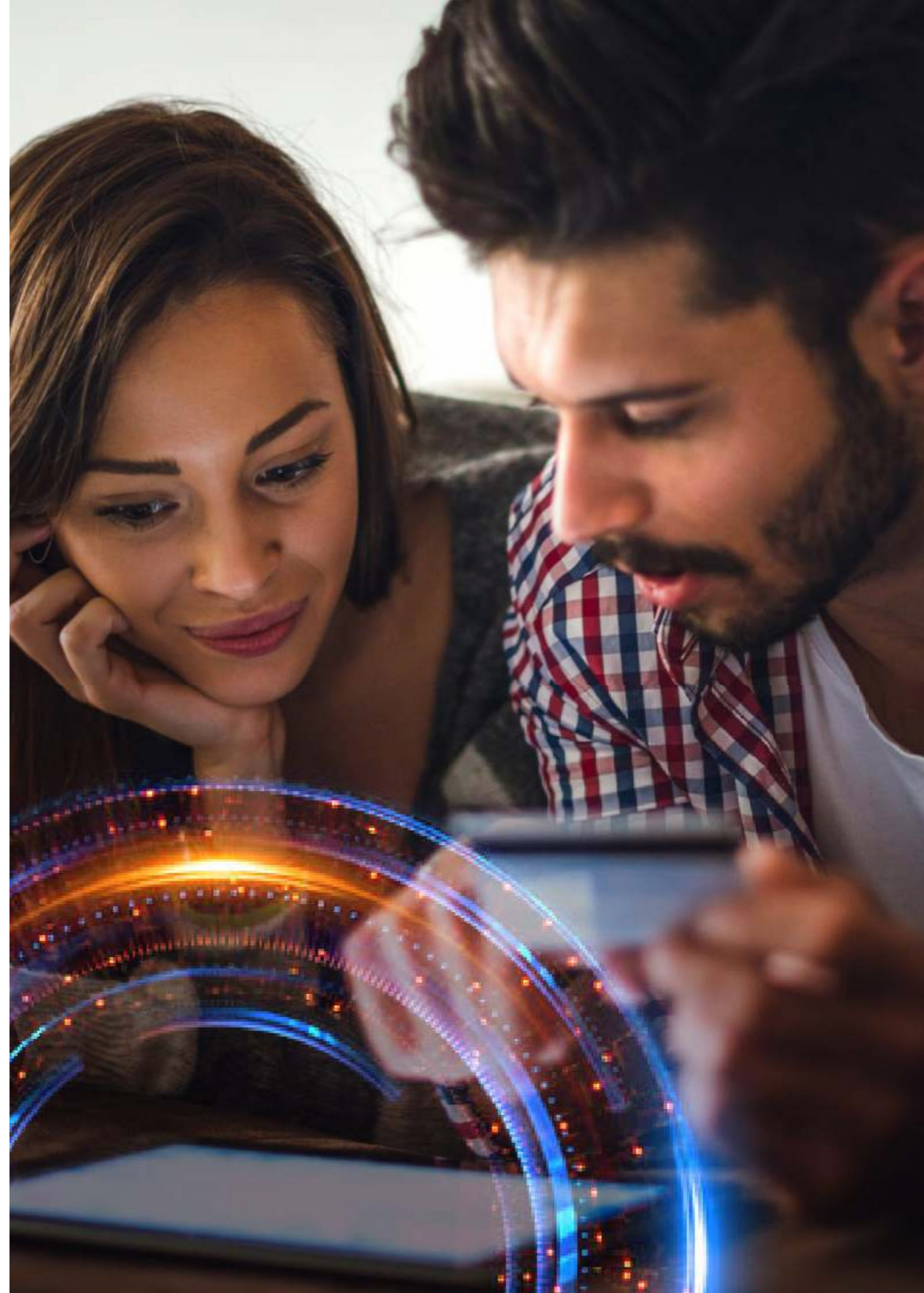
Curate New Revenue Pools with Merchant Marketplace

FSS UIP through its advanced open API framework enables issuers to orchestrate customer-facing merchant ecosystems to expand the scope of services and capture new revenue streams.

Issuers can instantly provision merchant-branded wallets linked to a customer's primary card account with a few clicks. Issuers can tap into popular spend categories to fuel a range of innovative consumer centric propositions. For example, create an exclusive merchant cashback or loyalty wallet dynamically soon after the customer completes the purchase.

Drive Card Usage with Instant Lending

Issuers can offer instant access to credit to fund customer spend and drive sales. At affiliate merchant stores, shoppers can opt for an instant open-loop physical or virtual prepaid card, loaded with the amount needed to fund the purchase. The loan amount is for a specific purpose and issuers can define as well as monitor spend limits per merchant.

Instant lending via cards allows issuers to have a broader relationship with the customer. Cardholders can top-up cards to pay for orders, earn and track cashbacks, and access exclusive sales and offers. Customers can also obtain an additional line of credit on the same card based on terms pre-determined by the issuer, eliminating the hassle of submitting paperwork again when they shop at a different merchant store.

Improve Portfolio Profitability with CardPulse

CardPulse provides deep insights into card usage patterns, customer spend analytics, profitability, and demographic trends.

SEGMENT CARDHOLDERS

Gain insights into spend patterns and channels for:

- Dynamic customer profiling and segmentation
- Crafting appropriate top-up incentives and rewards
- Arrest involuntary or passive churn
- Proactive identification of dormant customers

ANALYSE SPEND PATTERNS

Identify cardholder transaction behavior by demography, merchant channel and location with visibility into types of cards. This aids issuers to identify new partnerships and relevant card products.

OPTIMIZE CARD PORTFOLIO

Analyze the performance of individual or multiple card programs and networks based on uptake and transaction patterns to introduce new card products, as well as fine-tune and optimize the card portfolio.

UNDERSTAND CARD FRAUD PATTERNS

Banks can build a complete risk picture using multiple variables including customer risk score, historical transaction velocity, volume, value and time, device fingerprinting, channel, and merchant segment, frequent changes in geo-location to prevent fraud.
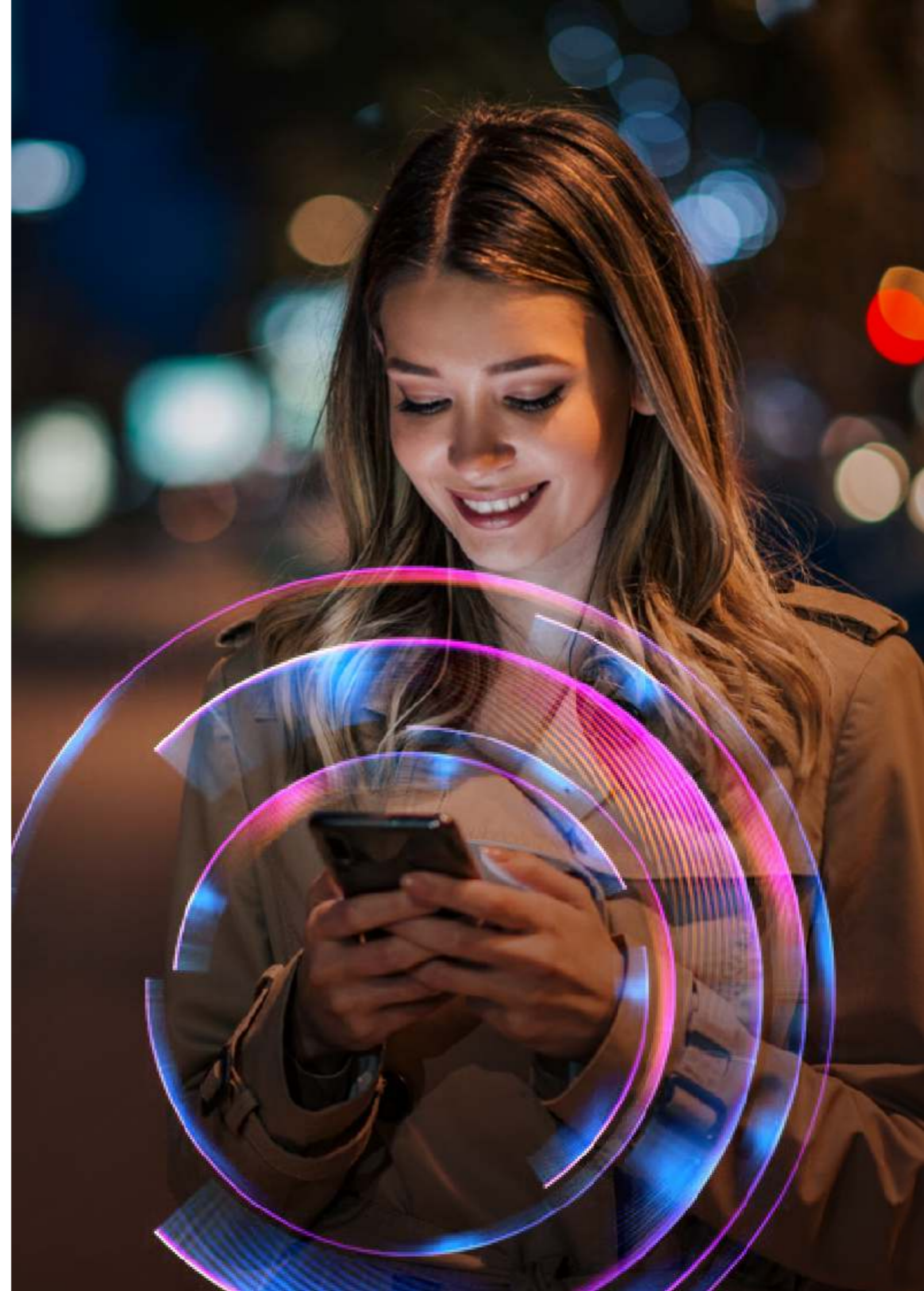
Secure Cardholder Trust

FSS UIP supports a robust set of capabilities to proactively counter fraud and win cardholder trust.

RULE-BASED TRANSACTION CONTROLS

Issuers can flexibly define transaction rules – based on a range of parameters – value, volume and velocity, customer segment, card type to prevent suspicious transactions and maintain service integrity.

ADVANCE AUTHENTICATION CAPABILITIES

FSS Secure3D is a scalable payment authentication system to improve online transaction security and encourage the growth of e-commerce payments. FSS Secure3D recreates the high level of security of a physical payment environment by verifying the identity of cardholders during an online purchase.

TOKENIZE CARDS

FSS UIP supports network tokenization and protects customers by replacing card credentials with secure, surrogate data, effectively neutralising the threat from data breaches.

Programmable
Spend Controls

FSS UIP offers a broad suite of controls to empower cardholders to better manage card spend and prevent fraud. Cardholders can define transaction limits for dollar amount, merchant categories, transaction types and geographic locations across channels - ATM, in-store, mobile and online. Cardholders can adjust spend settings in real-time and receive instant notifications for transactions that breach pre-defined rules. This fosters confidence among cardholders and improves top of wallet recall.

Select Use Cases

SET SPENDING LIMITS

Cardholders set spending caps basis time, merchant type, location, channel to budget expense better.

TEMPORARILY STOP TRANSACTION APPROVAL

Cardholders can alter authorizations settings and turn cards on and off should their card become misplaced, lost or stolen.

SAFE MODE, SINGLE TRANSACTIONS

Primary cardholders can activate a safe mode to enable a single transaction on the card. For example, limiting the dollar amount whilst sending a child or a staff member on a specific errand.

PARENTAL CONTROL

Parents can create customized spend profiles for each family member and can proactively monitor spend by dependents. Furthermore, geo-fencing a payment instrument can enable parents to ensure dependents use the financial instrument within a known radius or at known merchants.

MANAGE SPECIFIC TRANSACTION TYPES

Cardholders can configure higher spends than normal to make a high-ticket in-store purchase on a specific day.
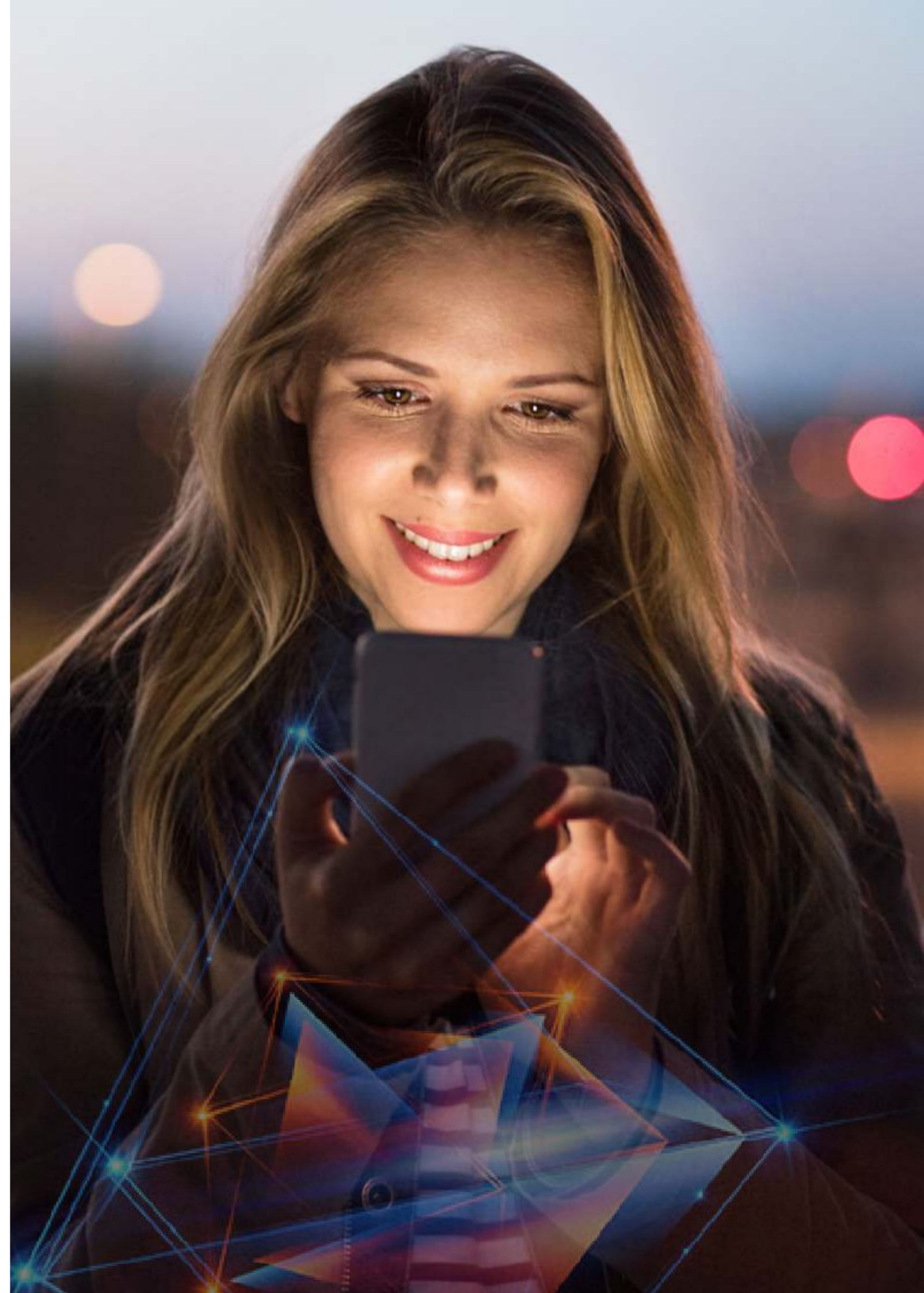
Agile Cloud Capable API-Driven Platform

COMPONENTIZED ARCHITECTURE

The solution supports – Credit, Debit and Prepaid issuance, and provides the flexibility to implement the complete solution or necessary components in line with issuers' business needs.

API-FIRST PLATFORM

FSS UIP exposes a broad range of pre-issuance, issuance, and post-issuance APIs to enable issuers collaborate with the external developer ecosystem for accelerated innovation and new revenue streams.

BUILT FOR SCALE

A componentized platform built for scale, FSS UIP accelerates introduction of complementary capabilities in line with changing industry dynamics.

OPTIONAL LIGHTWEIGHT CBS

FSS UIP supports an optional built-in lightweight Core Banking System module that helps offload traffic from the Host, which results in significant savings for issuers.

CARD SECURITY

FSS is compliant with Visa and MasterCard security guidelines and is PCI-DSS certified, reducing the risk of data security breaches. In addition, the platform supports end-to-end data encryption during the entire issuance and transaction process to safeguard customer payment credentials.

API-first Platform

K E Y   A P I S

ISSUANCE APIS
- Customer Sign-up
- Digital Card Issuance
- Instant Card Issuance
- Physical Card Request
- Wallet Issuance
- Purse Issuance

CARD FUNDING
- Card Reload(Prepaid)
- FX Rates
- Overdraft Eligibility
- Customer Profile for Instant

IDENTITY AND AUTHENTICATION
- eKYC
- Customer Authentication
- Pre-Authorised Loans

ACCOUNT APIS
- Profile Update
- Balance Management
- Set PIN
- Forgot PIN
- Change PIN
- Activate/Deactivate Card
- Switch on/Switch Off Card
- Card Details Update
- Block/Unblock/Hotlist Card
- Reissue Card
- Upgrade Card
- Close Card

SECURITY APIS
- Negative List Scan
- Card Token
- Authentication Fraud
- Transaction Alerts
- Transaction Risk Scoring
- Card Spend Limits
- Activate/Deactivate Card
- Activate/Deactivate Purse
- Lost Card
- Stolen List

CARD INSIGHTS
- Merchant Insight
- Transaction Insight
- Channel Insights
- Customer Segment
- Risk Insights
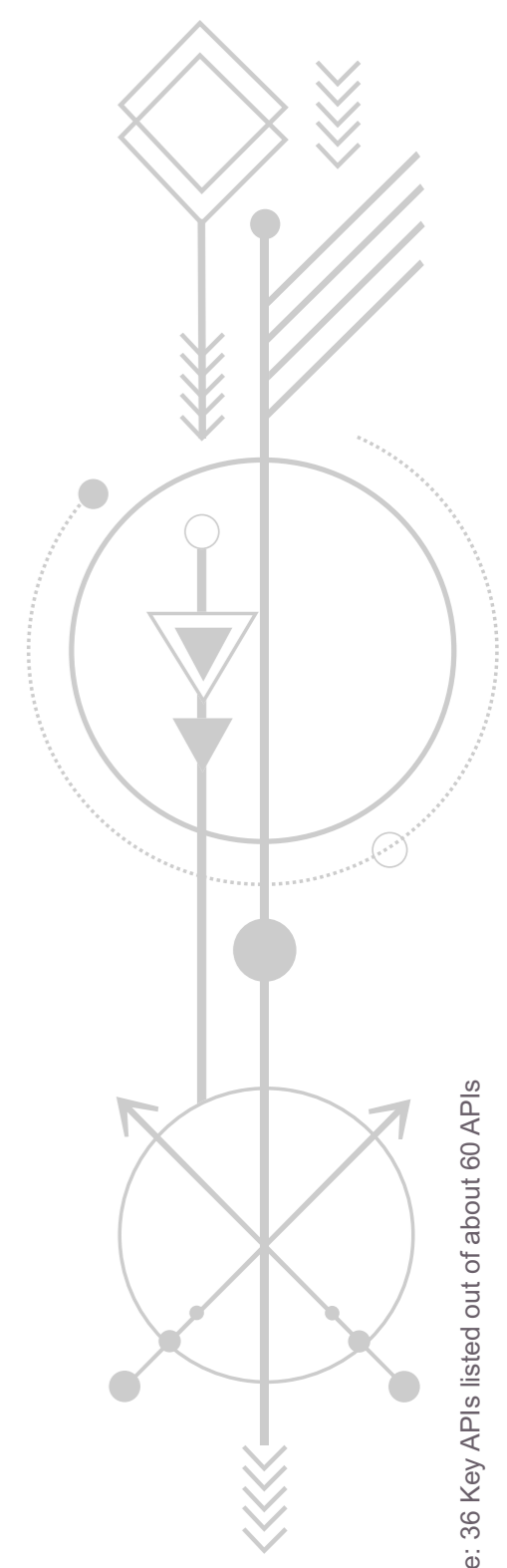
Note: 36 Key APIs listed out of about 60 APIs

Issuance As-a-Service

Issuers can simplify the challenge of infrastructure modernization and maintenance by leveraging FSS Issuance As-a-Service, Through FSSNeT, its secure private cloud, FSS extends Issuance-As-a-Service enabling issuers to avoid Capex spend and move to a consumption-based service usage model.

Measurable Benefits

- One platform, one integration, and one billing service improves time to revenue

- 30% reduction in costs from improved operational efficiency

- Scale to accommodate growth without concomitant increase in costs

- Continuous upgrades that creates new avenues of revenue

- Updated security - PCIDSS 3.2 certified - keeps risk loss in check

- Lower compliance overheads

- Flexible pricing models

- 24X7X365 support

- Global Certification: ISO 9001:2008, ISO 20000-1:2005 and ISO 27001 certified
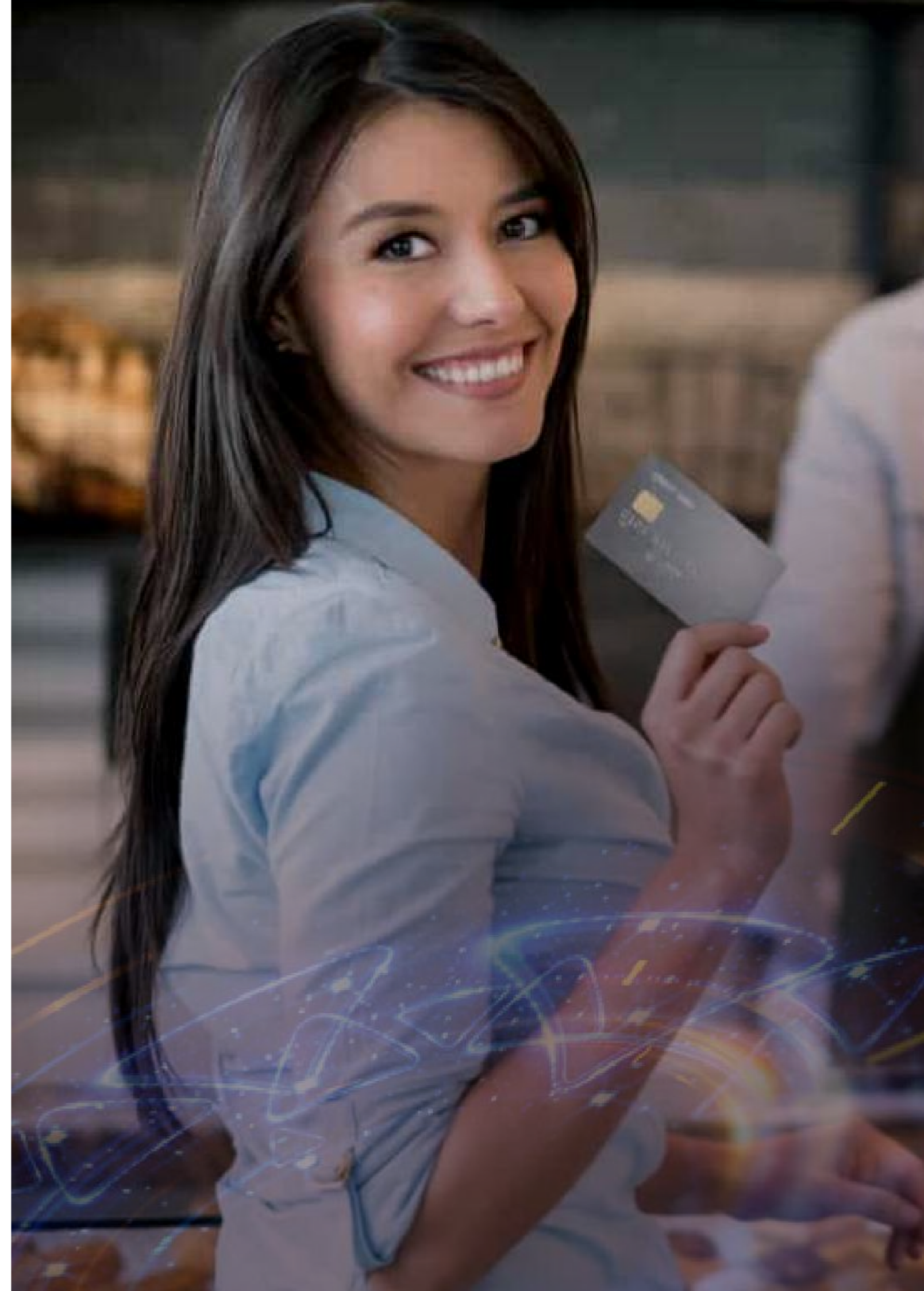
About FSS

Financial Software and Systems (FSS) is a leader in payments technology and transaction processing. The company offers an integrated portfolio of software products, hosted payment services and software solutions built over 30+ years of experience. FSS, end-to-end payments products suite, powers retail delivery channels including ATM, POS, Internet and Mobile as well as critical back-end functions including cards management, reconciliation, settlement, merchant management and device monitoring. Headquartered in India, FSS services leading global banks, financial institutions, processors, central regulators and governments across North America, UK, Europe, ME, Africa, and APAC and has 2,500 experts on-board.

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