



FIS

# Modern Banking Platform

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For the bank of the future



## Seize the Digital Opportunity

**New technologies and business models are redefining bank operating models and how banks interact with customers. Although once a leading technology adopter, banking now lags behind other industries in terms of digital transformation.**

Traditional banks need to modernize to offer a relevant, engaging real-time customer experience and to fend off challengers. New banks need the benefits of modern design, personalized products and services, low fees and snappy customer service to tempt people in. All banks need to choose their technology providers and advisors carefully to ensure their modernization journey is a success.

Customers are restive, with high expectations that are increasingly set by their experiences outside of financial services.

Banks must disrupt or be disrupted.

## The Road to Digitization

Many banks are evaluating how they can gain the agility and flexibility they need to meet rising customer expectations. This requires a sustainable, modern banking platform that's built on four principles:

- **Redefining the core.** The core system is the beating heart of the bank. It contains all the primary records of customers, accounts and transactions. But over time, the core has taken on more activity than originally intended. It is increasingly expected to interact with customers using any device in real time, 24/7. A modern core enables your bank to become more agile and customer-centric.
- **Driving digital uptake.** Corporate giants such as Amazon, Facebook, Google and Netflix have taken customer experience and service to a whole new level. To remain competitive, banks must offer a compelling customer experience from the moment of first contact. A positive account opening experience, coupled with frictionless servicing, insights and advice will build the most important component of all: customer loyalty. A modern core is the essential foundation for exemplary and consistent customer experience.
- **Embracing the cloud.** With the promise of lower costs, elastic scale and pay-per-use, many banks have already moved non-critical applications, such as customer relationship management or email, into the cloud. With advancements in cloud security and regulation, banks are now looking to use the cloud for mission-critical applications, such as core processing. Many are increasingly interested in cloud-native applications. A modern core empowers you to migrate to a lower-cost cloud environment with minimal disruption to business as usual.
- **Adapting to an ever-changing and complex regulatory environment.** Banks worldwide face a growing volume of complex regulations, and many banks must comply with regulations in multiple jurisdictions. A modern, cloud-enabled core empowers banks to adapt to regulatory change in global locations without affecting the core code.

But how do you address the fear and pain of transforming the core to realize tangible benefits of change?



# A Digital Platform Built for Change

## FIS Modern Banking Platform

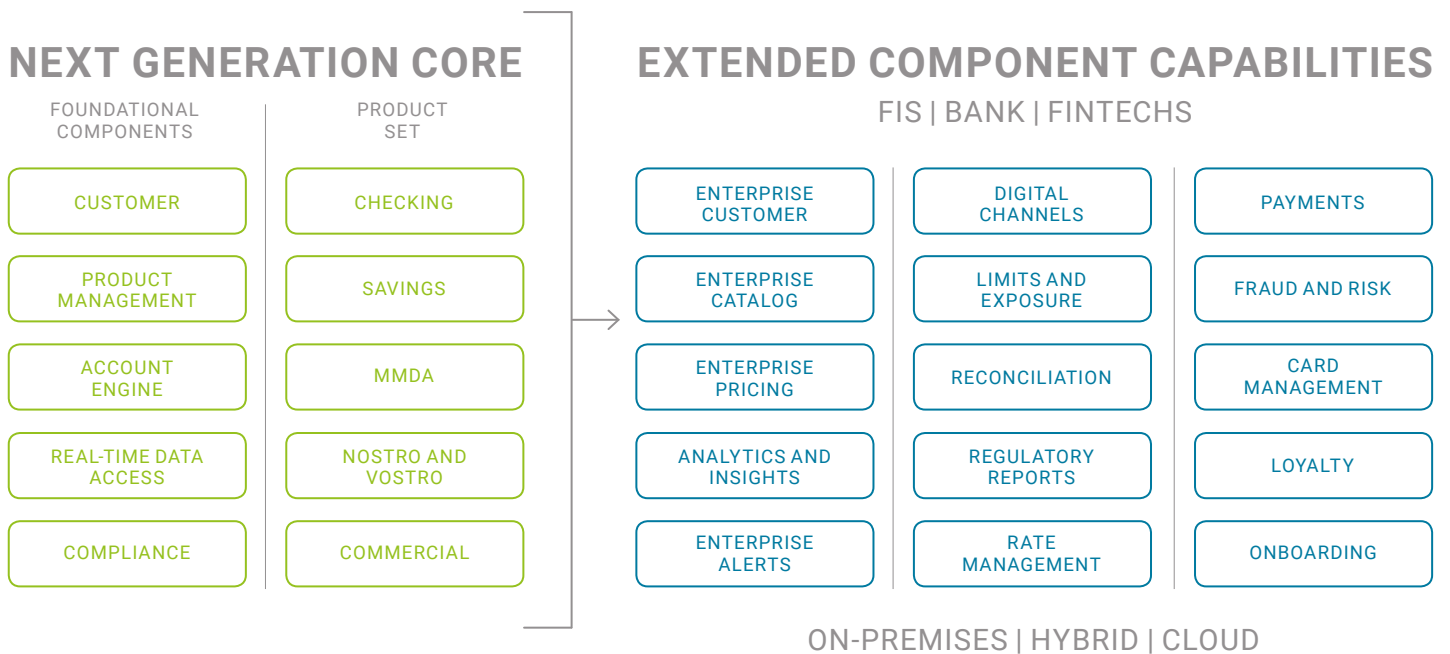
With support for all bank types, the FIS Modern Banking Platform is designed to meet the unique challenges and opportunities of the digital age. The solution design embraces three essential attributes:

- Component based.** All components are self-contained and developed individually to key standards. You can maintain and change anything where and when you want to, without affecting other core components. This approach enables infinite institution-specific personalization through configurations rather than coding, enabling your bank to be more nimble and responsive. Changes are implemented using small agile teams, ensuring cost-effectiveness and time efficiency.
- API first.** All of FIS' market-leading core components can be exposed as application program interfaces (APIs) to be consumed by the bank and third-party applications. With the FIS open platform, you can support new business models and respond to evolving customer needs quickly and easily. And you can add new components and include third-party vendors as required to create unique digital offerings that add real customer value and aid retention.

- Cloud native.** Because the FIS Modern Banking Platform is cloud-native, you can take advantage of the latest advancements in cloud security, monitoring, resiliency, operational analytics and regulation. Your bank can therefore realize the full benefits of the cloud for mission-critical core processing.

## FIS Modern Banking Platform Features

The FIS Modern Banking Platform's five foundational next generation core components and wide variety of optional extended components empower you to deliver a highly differentiated brand and banking experience.



## Five Foundational Components

- **Customer.** In the digital age, customer centricity is crucial, and a superior customer experience must be driven by data and insight. With the customer component, you can easily manage all aspects of the customer view in one place.
- **Product Management.** The rules-based, parameter-driven product management component allows you to easily construct and manage products, improving time to market for new offerings.
- **Account Engine.** The heart of the platform offers robust, reliable and efficient real-time transaction processing and accounting functions with no practical limits to volume.
- **Real-Time Data Hub.** This component manages all data coming in and going out of the platform securely and in real time, giving you greater customer personalization and improved fraud prevention and detection.
- **Compliance.** This component ensures that every transaction, customer record and accounting treatment is recorded to enable compliance with various regulators in global jurisdictions.

With these five next generation core components, the FIS Modern Banking Platform supports the full depth and breadth of retail and commercial deposit products<sup>1</sup>, from basic checking accounts and savings accounts to the most complex financial products.

In addition, the FIS Modern Banking Platform components can be integrated with FIS and non-FIS extended components that support capabilities at the enterprise level. You can pick and choose the ones that optimize your business strategy.

All of the components – both foundational and extended – are independent. FIS Code Connect, our API platform, provides centralized access to all of our solutions. The APIs for these microservices are versioned, governed and exposed for easy and secure integration. FIS Code Connect also allows banks and fintech partners to publish and manage their own APIs, so that they can deliver solutions to FIS clients.

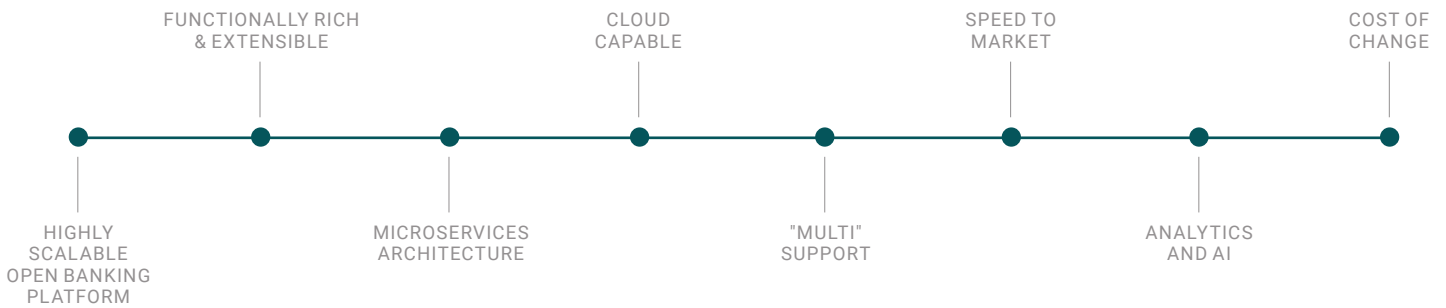
<sup>1</sup> Lending products will be supported in the 2019 release



# FIS Modern Banking Platform Design Principles

Our Modern Banking Platform is purpose-built for digital-native banking. It provides a set of flexible, scalable and highly configurable core banking product processors that are built on a common platform with open API access. Each processor is

surrounded by a set of components that provide intelligent, customer-centric digital interactions, with unique packaged product offerings and tailored pricing options, all of which are driven by customer data analytics.



The FIS Modern Banking Platform is built on eight key design principles:

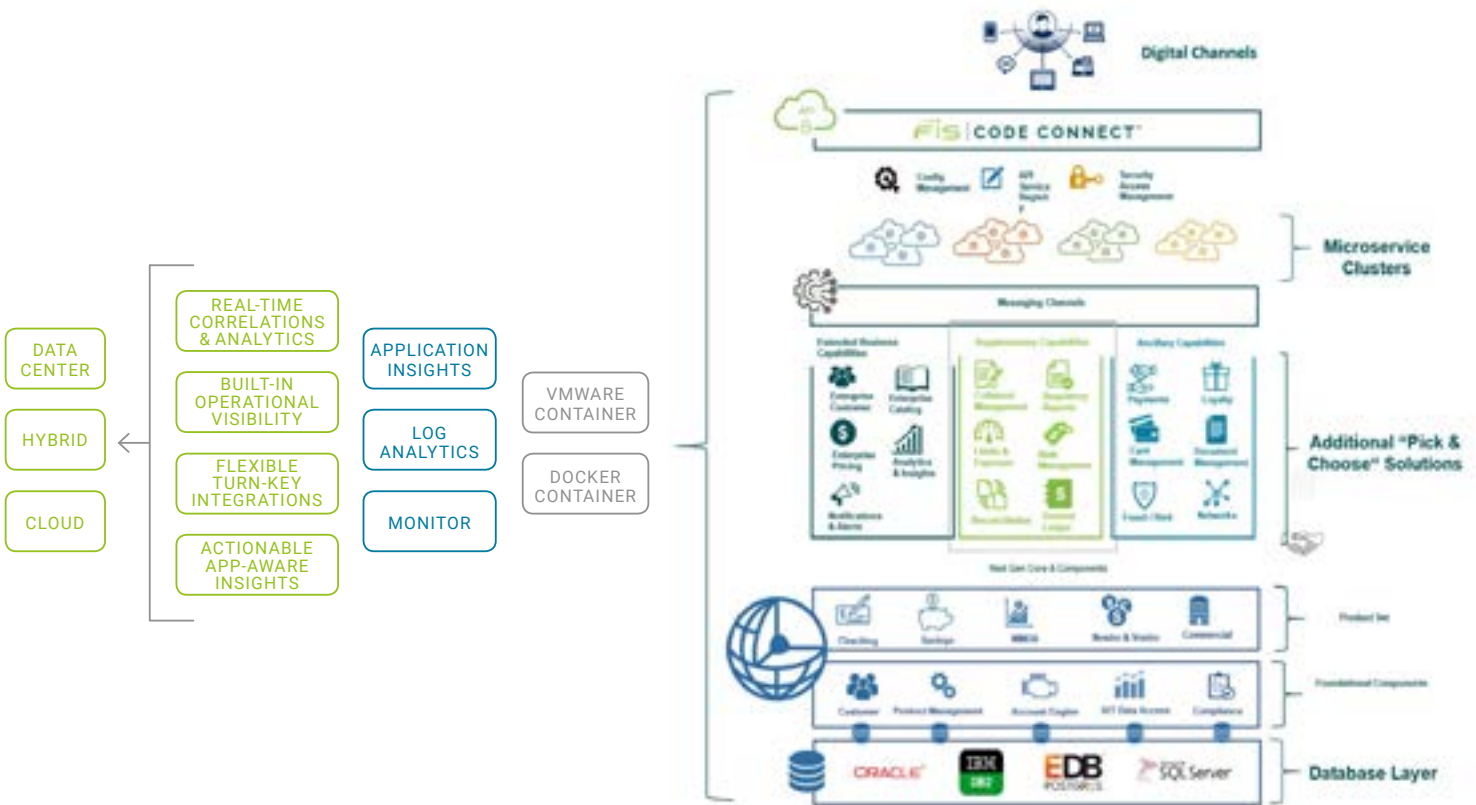
- **A new highly scalable, open banking platform** that's built from the ground up to enable creation of intelligent, customer-centric digital services. It is highly scalable and features an API-first architecture and design.
- **A functionally rich and extensible core platform** for transactions that can be easily extended for different products, business lines and geographies. For example, you can start with a simple product like deposits and add others as your go-to-market strategy requires.
- **A microservices architecture** that houses independent modules and services for individual products on the same core platform. You can continually update services and create new products quickly and easily to meet emerging opportunities.
- **A cloud-native architecture** that uses standard containers and Kubernetes cluster management to make it deployable on any public, private or hybrid cloud, as well as any virtual machine environment. With the cloud's elasticity and charging structure, you can align costs with business success.
- **A multi-everything paradigm**, so it is multi-platform to allow you to deploy the platform in different operating systems with multiple function-specific systems; multi-tenancy to support multiple banks or business lines within a single bank; multi-currency to support the world's many different currencies, including multiple currencies for the same product and account; multi-language; and multi-time zones.
- **Speed to market.** Due to the Modern Banking Platform's infinite configurability, you can launch and bring products to market quickly, giving you first-mover advantage.
- **A prebuilt analytics model** that includes key performance indicators (KPIs), dashboards and business intelligence, coupled with real-time data access and predictive analysis. You can use the embedded analytics or access the underlying data through APIs and toolkits.
- **Cost of change.** Our microservices architecture and open API model uses standards such as REST and JSON and cloud deployments, so you can enjoy the lowest possible Total Cost of Ownership (TCO) and reduce the cost of ongoing maintenance and operations.

# Building Your Unique Modern Banking Platform

The FIS Modern Banking Platform can be configured to your bank's individual needs, and it provides you with the flexibility to adapt your strategy to evolving market requirements.

But how does FIS bring everything together to ensure

successful delivery? This is accomplished by the powerful combination of our innovative technologies, modern solutions, proven methodologies and FIS expertise in the banking domain.



**Choose your own database.** The FIS Modern Banking Platform components are designed to work with any relational database system and are already certified on MS SQL, Oracle, IBM DB2 and Postgres Server. The foundation components sit on top of the database layer and are used to create financial products such as checking and savings accounts and advanced cash management.

**Integrate with Code Connect.** You can harness the flexibility of Code Connect to include any number of extended components to add functional richness or meet emerging

business requirements. Our next generation core can operate with your own banking channels or be seamlessly integrated with the FIS Digital One channel platform for assisted and unassisted channels.

**Software or service.** From a deployment perspective, our platform supports a Platform-as-a-Service (PaaS) model, run from the FIS Cloud, which offers the benefit of our data management and hosting expertise. Alternatively, it can be run as a public or private cloud-native model or as a traditional "virtual machine" type environment.

# You Don't Just Get A Core - You Get A Bank

Many banks wish to play a bigger role in the lives of their customers. In practice this means that more parties need access to data and solutions. The bank of the future must be open, modular and able to deliver bespoke customer experiences. That means open, modular technology.

By combining the FIS Modern Banking Platform foundational

components, your choice of extended components, Code Connect, Digital One and other best-of-breed assets, you have a framework that is built for today's digital age and for the future. You can couple this with a comprehensive set of ancillary solutions, and a virtual back office to build a strategic platform for profitable growth.





## Your Partner of Choice

FIS has deployed many core banking platforms around the world. These are continually tested and proven in some of the world's toughest banking environments.

The FIS Modern Banking Platform represents a significant evolution – some would say revolution – in the highly successful FIS core banking platforms. Built from the ground up, this solution offers componentized modules and the latest fintech capabilities to enable real-time digital processing.

A partnership with FIS offers unlimited access to a team of experts at the heart of world banking. We can help you specify, build and implement a modern banking platform that meets your immediate needs and strategic goals.

Our virtual back office can handle customer service, account opening and deposit operations for you, too. We also offer the very best managed security, fraud prevention and compliance in the industry. We can even host your modern banking platform in the FIS cloud, further reducing costs. And, uniquely, we give you the option to change your deployment model as required by your evolving business needs or technology strategy. Choose the support and model you need, pass on what you don't.

We'd be delighted to offer you an exploratory workshop to discuss how we can help you build the bank of the future. See overleaf for contact information.

**At a time when digital transformation is critical, FIS can help you profit from change.**



## About FIS

FIS is a global leader in financial services technology, with a focus on retail and institutional banking, payments, asset and wealth management, risk and compliance, consulting and outsourcing solutions. Through the depth and breadth of our solutions portfolio, global capabilities and domain expertise, FIS serves more than 20,000 clients in over 130 countries. Headquartered in Jacksonville, Florida, FIS employs more than 55,000 people worldwide and holds leadership positions in payment processing, financial software and banking solutions. Providing software, services and outsourcing of the technology that empowers the financial world, FIS is a Fortune 500 company and is a member of Standard & Poor's 500® Index. For more information about FIS, visit [www.fisglobal.com](http://www.fisglobal.com)



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