FUSION DIGITAL CHANNELS
OPEN BANKING

Provide Secure Open Banking to Better Engage Clients and Partners

> "We don't have 'customers' anymore; we have people engaged in the community who want to use different services. So the bank has to pivot from developing everything internally to becoming a curator of apps, APIs, and analytics from marketplaces that give the best overall customer experience. Because I, as a customer, don't want to go to 200 different startup companies and try and put that together myself — I'd much rather have a trusted brand do that for me."

Chris Skinner
Chairman
The Financial Services Club
(European networking forum)

Agility and openness are the key principles of digital banking: PSD2 makes them regulatory requirements. With Fusion Digital's new channel, banks can unlock the potential of Open Banking in a secure, compliant environment.

Digitalization is essential today. Customers have become accustomed to interacting with financial providers 24/7, anywhere. And as data has become the key to growth, the strong demand for its secure use outside banks has led to Open Banking. For banks, the challenge now is to balance client expectations with threat of disintermediation. The good news is that with Fusion Digital, Open Banking becomes a competitive advantage.

Allowing external access so that banking customers have control they want over financial data increases the risk of misuse. To meet this challenge, Finastra has created the Open Banking channel, a complete dedicated and secure access point on top of its Fusion Digital Engine.

This new channel has the mechanisms that banks need to control data flow:

- Access: the availability of the Open Banking Channel and its services can be switched on or off, and access to information can be set at the third-party level by banks and even by users.
- Services: an externally accessible functionality set can be customized to meet the expectations of both bank and client.
- Banking limits: dedicated spending control for Open Banking Channel transactions is independent from other channels.
- UI management: the channel includes a comprehensive set of segment-based tools, e.g. layout, campaigns, tutorials etc.

THE FUTURE OF FINANCE IS OPEN

#OpenAPI, #REST, # Swagger #OAuth2, #OpenID, #PSD2, #SCA

Fusion Digital's Open Banking channel provides the flexibility to create fast, custom solutions for new requirements, with secure technology.

> European banks that exploit Open Banking may generate up to 20% of lending revenue pool by 2020.

Accenture, 2018

Open Banking

Finastra's product strategy is totally orientated around open platforms. Fusion Digital leads this strategy and Finastra is committed to delivering both open services and channel-native products to its partners. Fusion Digital's Open Banking channel enables the safe external use, via APIs, of our complete Digital Engine service range, with highly secure and customizable management capabilities.

The Open Banking channel provides an easy-to-integrate connection via the simple, uniform and scalable architecture of REST communication and the industry-standard automated documentation, code and test-case generation capabilities of SwaggerTM.

Exposing services and information to a wide audience is a serious responsibility that should go together with proper controls and security. The Open Banking channel meets this challenge by applying secure access authorization with the OAuth 2.0 protocol, using a variety of built-in biometric authentication mechanisms, and by supporting decentralization with the OpenID standard.
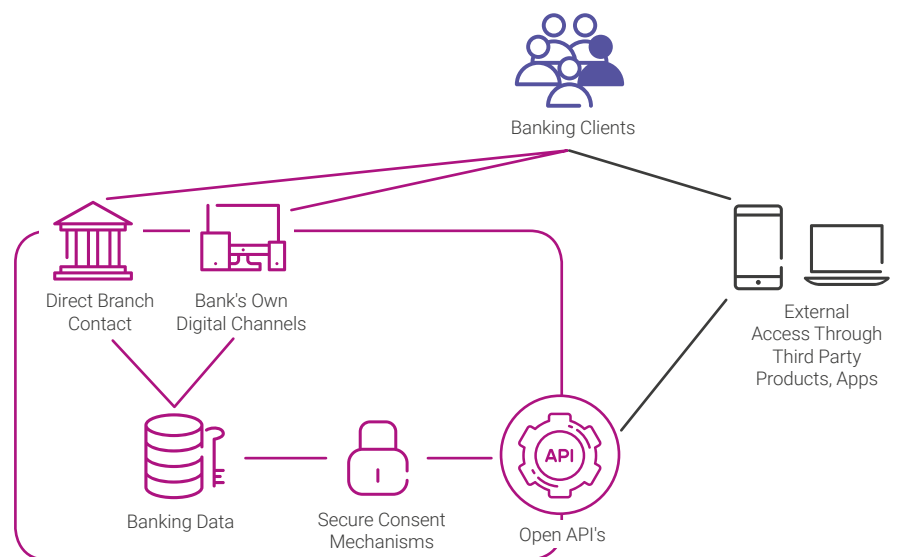

Open Banking enables secure and controlled external access to banking data
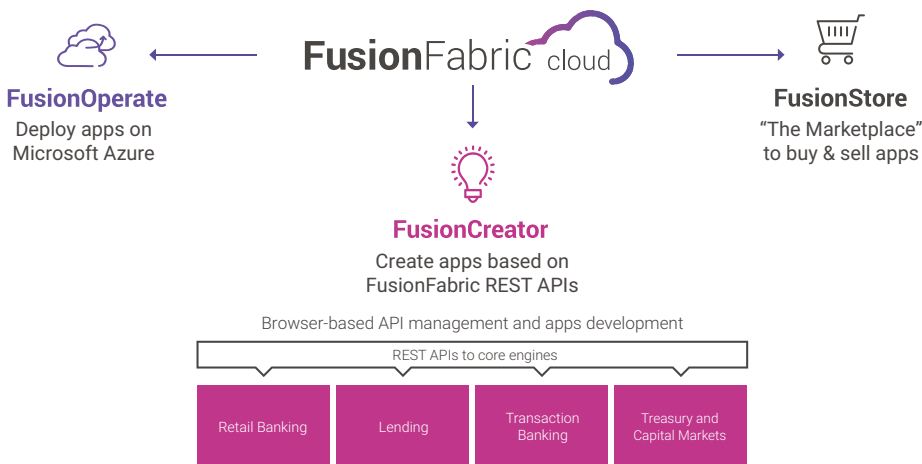
PSD2

The Open Banking channel provides complete PSD2 regulatory compliance out-of-the-box. Its comprehensive omnichannel service for both clients and banking administrators includes data and channel utilization reporting to management and authorities. Third party providers can easily register for dedicated APIs covering all PSD2 scenarios. Data utilization is managed by secure token mechanism, as required by regulations.

Consent management screens feature clean design and well-organized data content that make it easy to approve access to accounts and transactions. Because external access to client data must be at least as safe as services available via standard banking channels, the Open Banking channel includes seamless strong customer authentication and highly secure Private Key Infrastructure. Users can monitor mandates and revoke them if necessary, immediately prohibiting external access to data.
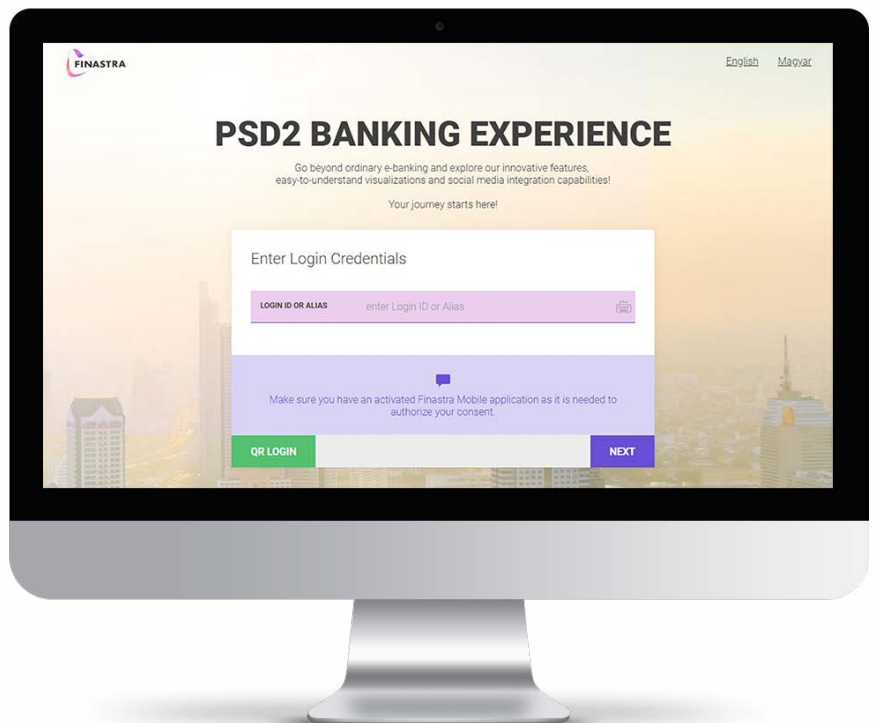
PSD2 is securely separated from Online Banking, but has a similar UI for easy handling

FusionFabric.cloud: Finastra's Platform for the API Economy

FusionOperate
Deploy apps on Microsoft Azure

FusionStore
"The Marketplace" to buy & sell apps

FusionCreator
Create apps based on FusionFabric REST APIs

Browser-based API management and apps development

REST APIs to core engines

| Retail Banking | Lending | Transaction Banking | Treasury and Capital Markets |

Built on Microsoft Azure, FusionFabric.cloud opens up the FusionFabric platform that underpins Finastra's core systems.

Our mission for Fusion Digital is to open it up to external developers and third parties to create value for our customers. So Fusion Digital Open Banking APIs are made continuously available in FusionFabric.cloud (FFDC), our corporate development portal.

APIs

Banks can use APIs to promote the bank and its services to the outside world, and use them internally to link its own systems. Internal APIs can extract information from core systems and deploy it in the cloud where it can be exposed to AI, ML and other new technologies. APIs exposed to the external environment are used by external developers that connect to the bank.

These will feature a consistent security layer and will not be directly connected to the bank's core systems, but will instead connect via a mid-office layer.

FusionFabric.cloud

FusionFabric.cloud is a radically different way to create, use and commercialize financial services software. By opening Finastra's core systems to third parties via REST APIs on Microsoft's Azure cloud platform, it creates a new global ecosystem of innovation. Innovative applications can be delivered quickly and at low cost. FusionFabric.cloud is made up of three core components:

1. **FusionCreator**
   Provides APIs on top of Finastra solutions, and tools for the easy building and integration of innovative apps, without having to write a line of code. APIs cover almost all banking activities: retail, corporate, payment, capital markets, investment management and enterprise risk.
2. **FusionOperate**
   Is the operating environment which enables core engines and applications built with FusionCreator to be run and deployed via the Microsoft Azure cloud service.
3. **FusionStore**
   Is the marketplace where FusionFabric.cloud applications can be bought and sold.

Source: finextra.com/finextra-downloads/featuredocs/finastra_finextra_dec2018.pdf, Finextra 2018

About Finastra

Finastra unlocks the potential of people and businesses in finance, creating a platform for open innovation. Formed in 2017 by the combination of Misys and D+H, we provide the broadest portfolio of financial services software in the world today—spanning retail banking, transaction banking, lending, and treasury and capital markets. Our solutions enable customers to deploy mission critical technology on premises or in the cloud. Our scale and geographical reach means that we can serve customers effectively, regardless of their size or geographic location—from global financial institutions, to community banks and credit unions. Through our open, secure and reliable solutions, customers are empowered to accelerate growth, optimize cost, mitigate risk and continually evolve to meet the changing needs of their customers. 90 of the world's top 100 banks use Finastra technology. Please visit **finastra.com**

Corporate Headquarters
4 Kingdom Street
Paddington
London W2 6BD
United Kingdom
T: +44 20 3320 5000

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