



Welcome and Agenda



Director, Financial Services Industry



10.00 – 10.05	Welcome and Introductions
10.05 – 10.15	Three visions for banking post-PSD2
10.15 – 10.30	Real-life experiences of banking transformation
10.30 - 10.40	6 monetization models for an Open Banking World
10.50 – 11.00	Q&A and Close





Introductions



RICHARD PEERS

Director, Financial Services Industry





AMIT MALLICK

Digital Open Banking and API Lead

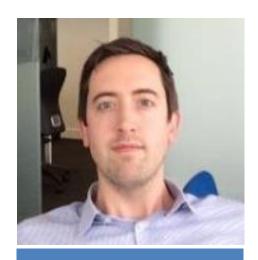
accenture



MOHAN NAIDU

Director Banking and Financial Services





DAVID FIRTH

Product Manager Callcredit







Three visions for the future banking ecosystem

Richard Peers - Director Financial Services Industry | Microsoft

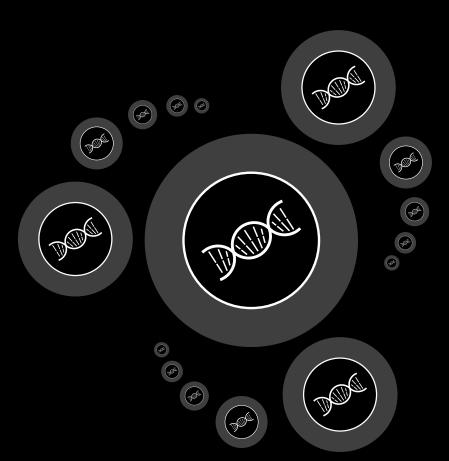






Vision ONE

Ubiquity



The boundaries between industries fade Banking services become distributed The focus is on modularity and agility

A spectrum: Marketplace vs Open Banking

Marketplace Banking (Carefully Selected TPPs)

Bank creates well-defined APIs to enable seamless experience

Bank selects specialized TPPs to offer additional financial services along their products

Banks control and provide a seamless integrated experience

Clients have choices curated by the Banks

Open Banking (Any TPP)

Bank creates framework and Open set of APIs

The platform uses Plug-and-play model

Any TPP can plug-in if they meet requirements

TPPs build their own products

Banks cannot control the client experience

Clients have broadest set of capabilities and products choices



Vast selection of products for customer More Open

Seamless Integrated Experience for customers

OpenBanking Program

Customer Story







Credito Agrícola embraces "Open Banking"





Crédito Agrícola is a private bank with the largest branch network in Portugal. In 2016, there were 821 units (branches or automatic teller machines) in isolated areas where no other bank institution has presence. Crédito Agrícola is one of the leading Portuguese financial groups, with net assets over EUR 16 Billion.

- **Industry:** Financial Services
- Market: Portugal
- Target Customers: Consumer and Corporate Market
- Product Used: Azure API Management, ADFS, Application Insights, Event Hub, App Service, Visual Studio Online

Microsoft helped Crédito Agrícola achieve a...

The challenges

- Open systems to foster a strategy based on partnerships
- Provide digital services using the API ecosystem
- Lead in the core communities providing digital services
- Modernize operations driving DevOps transformation

The results

"Microsoft has all the tools we want to use. Microsoft has been with us in this transformation journey as one of our core partners with people and tools to support us. Microsoft technology is more open to introduce specific features we want to introduce and leverage in our strategy.

Dr. Jorge Baião

Chief Information Officer, Crédito Agrícola

The solutions



API Management and Integration

(Api Design, Versioning, Dev Portal, Transformation, Protection, Configuration)



Strong Customer Authentication

(oAuth 2.0, OpenId, Multifactor,2nd Factor App, Social Identities/On-Prem Federation)



Business and Operational

Power BI Portal For Business and Application Insights For Operational Monitoring



DevOps Baseline, enabling Continuous Integration, Continuous Delivery and Infrastructure-As-a-Code









End-To-End Business and Operational Visibility



Foster Partnerships Want to learn more? Read:

Microsoft on Open Banking





Lessons Learned

"Open Banking" journey posts several challenges regarding banking ecosystem which are an opportunity to learn and improve



Design your APIs using Best Practices



Spend enough time designing your security framework



Automate everything you can...APIs will become your product



Remove barriers between People, Processes and Tools (DevOps)



Invest in Agile Practices



Make sure you have End To End Visibility over the system



Partners and Developers On-Boarding is crucial



Leverage the Cloud in a Pay-As-You-Model and guarantee Performance and Scalability with cost optimization

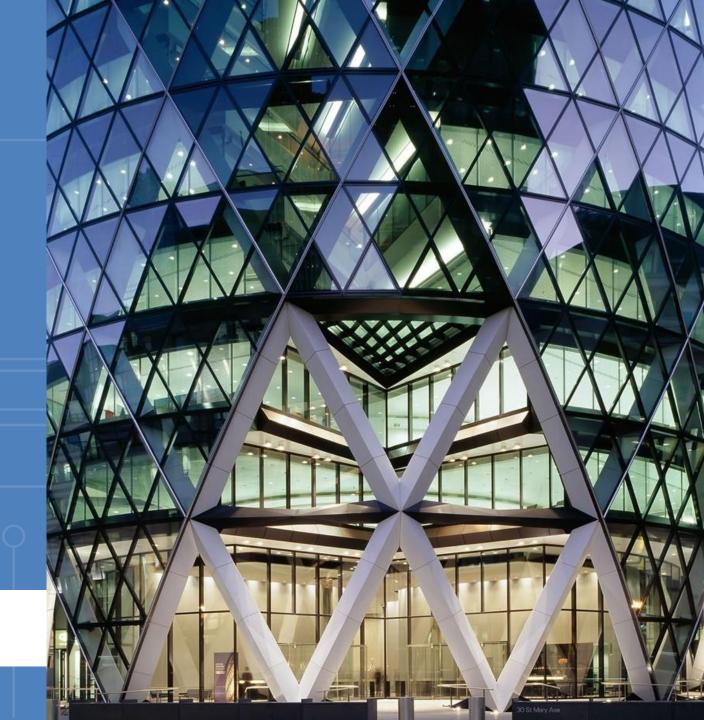


ClearBank rewrites the rules on delivering financial services

We have relied on Microsoft to support us ... and without that we wouldn't be here. Microsoft is investing more in cyber security than anyone else on the planet. Our Azure hybrid model means our data centres are divorced from access to the internet. We have the ability to tune and develop our core, to set up using the best technology and services available."

— **Nick Ogden** Chairman, ClearBank

Clear.Bank®





SKYPE TOMORROW

If we connect conversations and services we can make conversations

More Fun

Richer

More Empowering

Thereby earning a place in people lives as a daily habit



Extensible conversation canvas

Natural language and intent understanding, context, entities, analytics, actions, cards, human assistance

Intelligent agent platform







Stay connected

Do things together

Get things done

New experiences

Groups

Businesses

Real-life transformation experiences

David Firth – Product Manager | Call Credit Group Mohan Naidu – Director Banking | Avanade







Callcredit

At Callcredit we empower information by combining data with our suite of software and our analytical capabilities, to help businesses and consumers make more informed, confident decisions and build more valuable relationships.

- Callcredit formed its Open Banking strategy in 2016 and is an active member of the OBIE's advisory groups and FDATA.
- Callcredit's response will be a co-branded end-to-end service for our clients and their consumers to utilise the Open Banking framework
- Open Banking will enable consumers to get more value form their data, with explicit consent controls.
- Partnered with Microsoft as the Cloud Infrastructure Provider.



Azure API Management at a large south European bank

BANKS' NEEDS

Meet PSD2 mandatory requirements but also lay the necessary foundations for a strategic market response

Build a solution which is **easy to implement and manage** within current technology and operations landscape

Implement modular and scalable PSD2 API management solution with integration hooks into security/fraud solutions, core systems of record and data sources

Establishment of an API /micro services based solution leveraging on existing technology requirements to meet the demanding regulatory implementation timelines

CHALLENGES

PSD2 programme is focusing on immediate to meet compliance. However over future re-use and have a siloed mentality, developing for their specific use case or market

As bank moves towards a modern architecture, there is an ambition to create reusable services (APIs) across many applications

Lack of agreed naming standards and conventions are incomplete and no formal end-to-end API catalogue exists, making it difficult for designers and developers to identify reusable APIs

Number of substantial change programmes currently underway. Delays in providing the API requirements and frequent changes to the API specifications

RESULT

Determine specific Bank requirements can be implemented using Azure as the underlying API Management platform

Prepare a stable Sandbox environment for the selected API solution to run an Hackathon Creation of developer and publisher portals

Developed PSD2 & Open Banking API's to carry out 24 operations across accounts, security, Payments, Instructions etc..

Analytics provides deep insight into data being passed via API's, how apps are being used, and who is using apps

Project Technology Pilot is completed in 4 weeks. Project GO live in 6 months.





Six monetization models for an Open Banking World

Amit Mallick - Open API Lead, UK&I | Accenture Digital

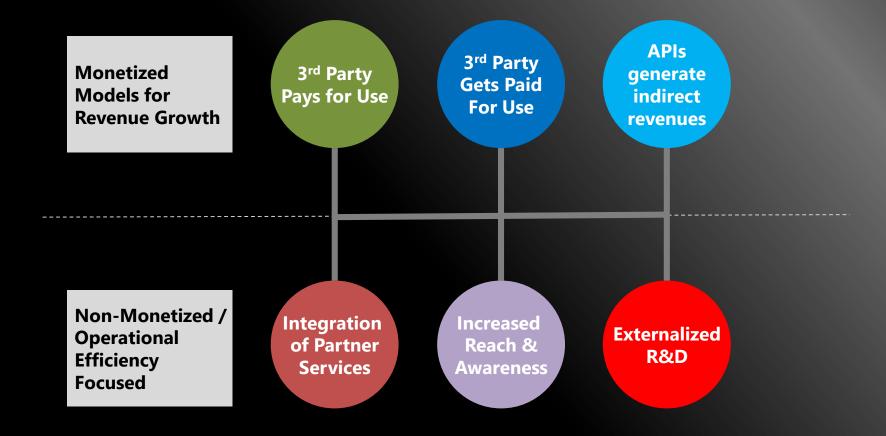






Business and monetization models

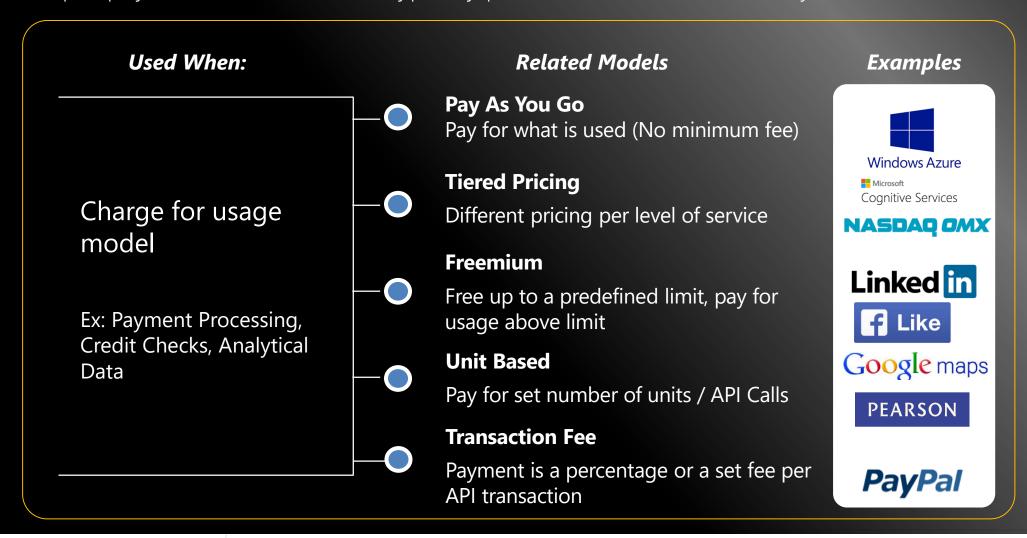
For each business asset, the appropriate business objective and monetization model should be clear so that the API Strategy is aligned to support the business goals.





3rd Party pays for use of APIs

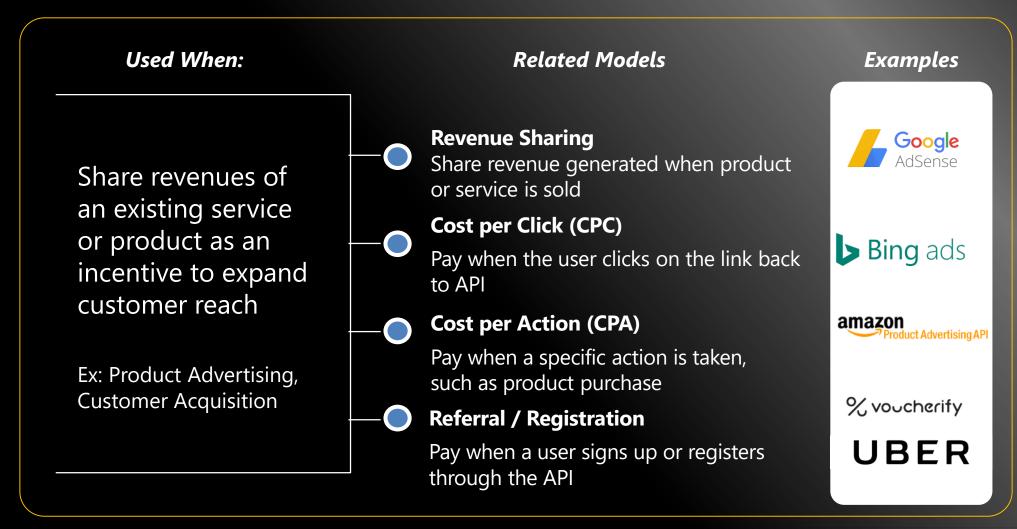
The developer pays to use the APIs that typically provides a service needed by the consumer





3rd Party gets paid for using APIs

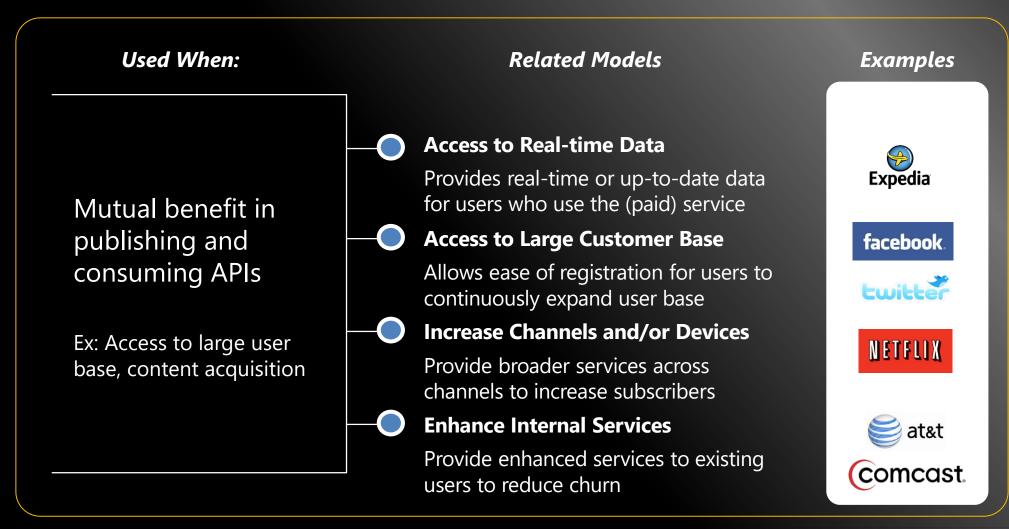
The developer is incented to be a publisher of a business asset through APIs





APIs that generate indirect revenues

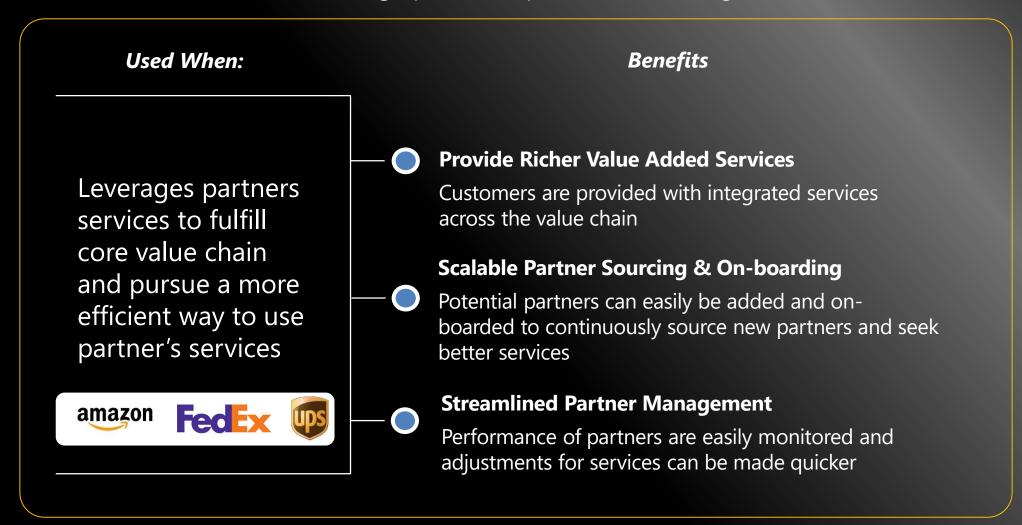
APIs are not monetized directly for usage, but help expand core business & generate indirect revenues





Integration of Partner Services

Provide value added services and manage partnerships at a lower marginal cost

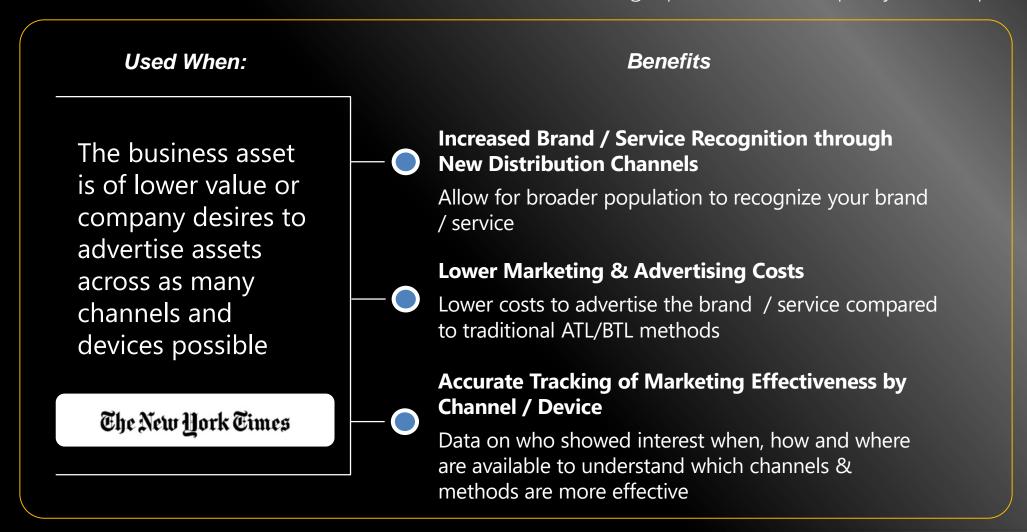






Increased reach & awareness

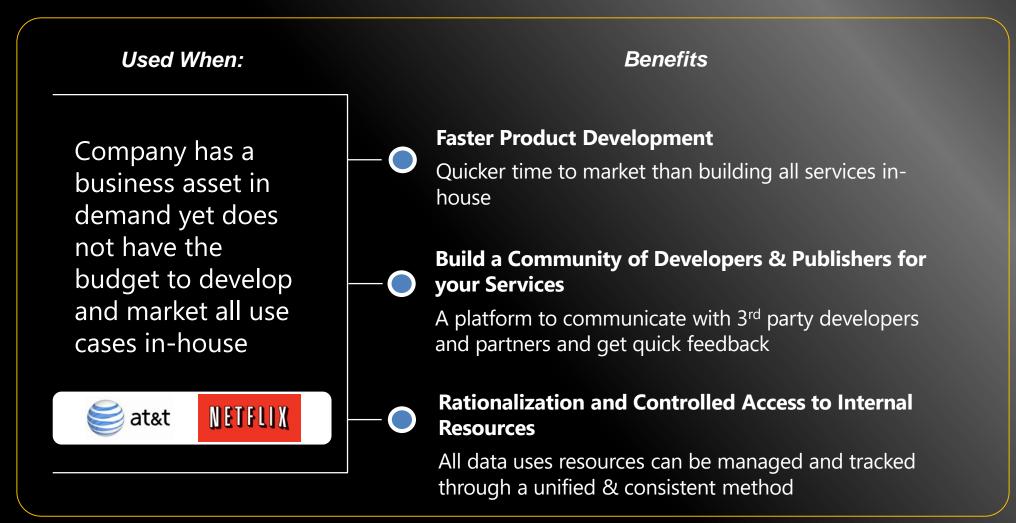
APIs are used to increase reach across different channels through partners & 3rd party developers





Externalized R&D

Foster creative ideas and use cases of 3rd party developers to accelerate innovation through public APIs













For more information, contact ...

https://enterprise.microsoft.com/en-us/trends/psd2-and-open-banking/

https://www.avanade.com/en/industry/banking/second-payment-services-directive-whitepaper

https://www.accenture.com/gb-en/insight-opportunities-risks-payments-service-providers

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Thank you





