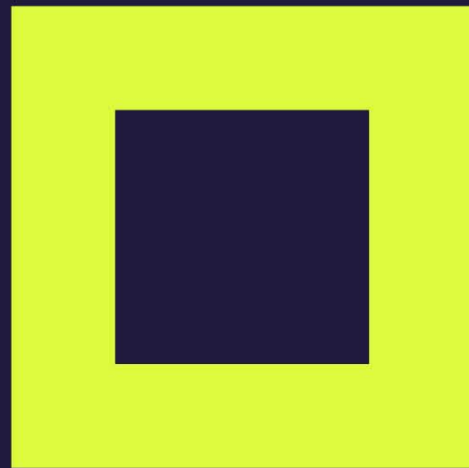


Ignite Possibilities with Spark



About Spark



What is Spark?

Spark is a cloud-based logic engine that converts complex business logic from **Excel models into API services.**

FASTER DEVELOPMENT, LOWER COSTS

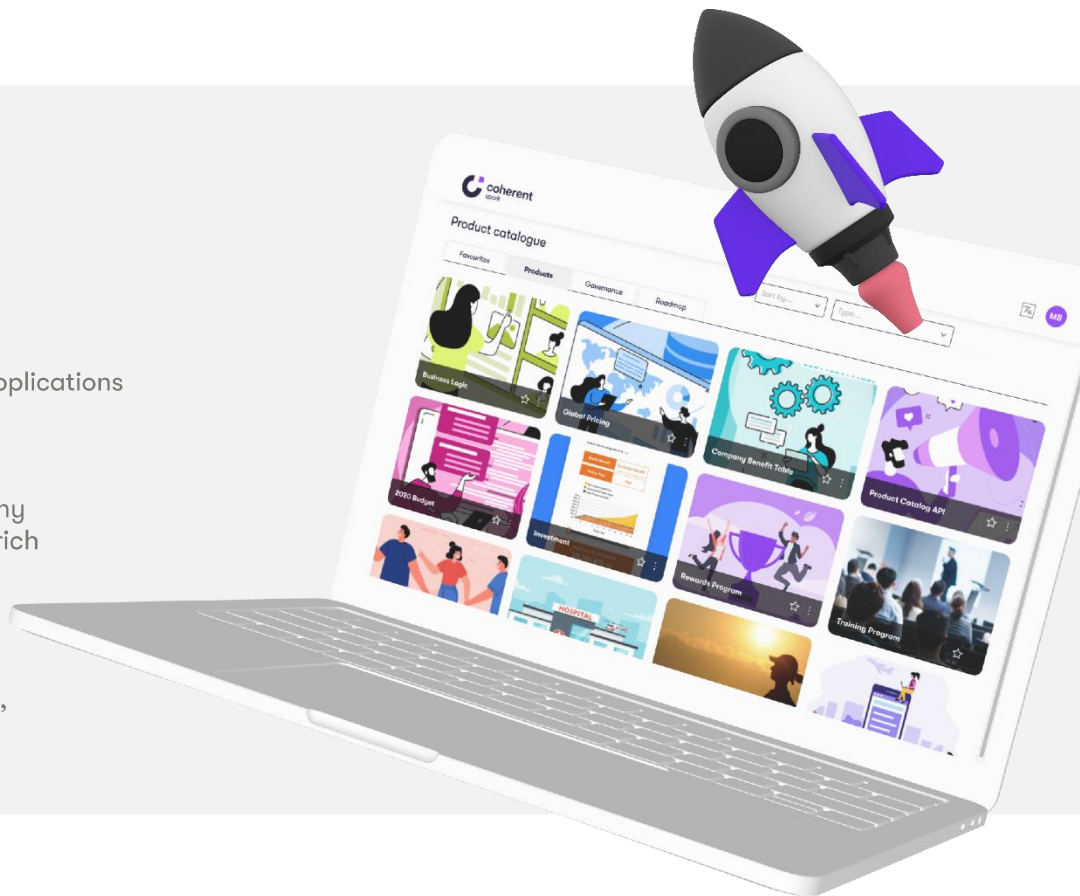
Spark allows you to quickly develop and launch models, applications and products at a very low-cost point.

SIMPLER WAYS OF WORKING

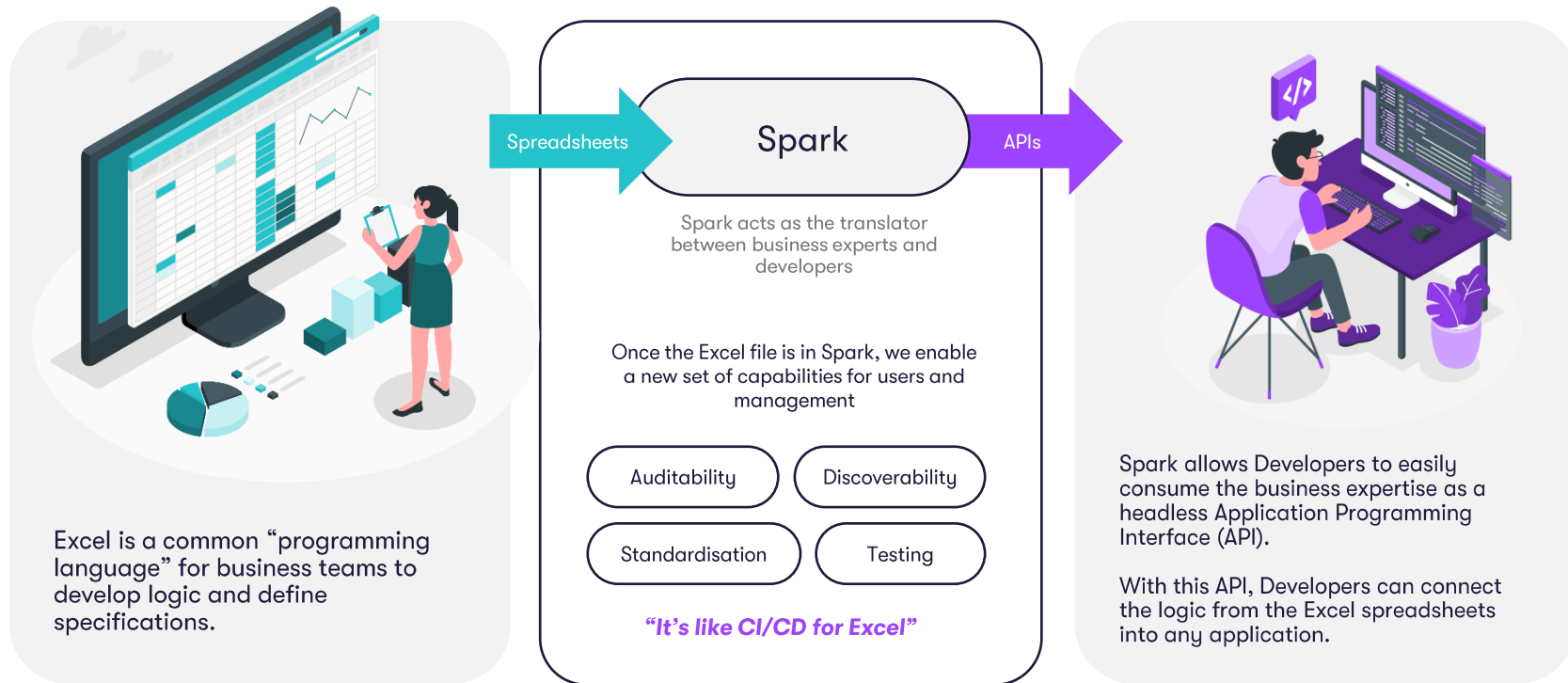
Spark's intuitive management console empowers almost any type of business user to build, fine-tune and update logic-rich applications – no coding skills required.

SMARTER GOVERNANCE AND CONTROL

Rigorous governance is the hallmark of Spark. Centralised control lets you define who can see, edit and execute rules, logic and calculations.



How does it work?



How can Spark change my business?



SPEED

Spark runs up to 100 times faster than excel, turbo charging your models. It is perfect for complex models



CONNECTIVITY

Spark lets you convert any business logic into an API, allowing your business to make game-changing integrations to digital tools



CONTROL

Spark allows you to load all your models into a secure, controlled environment with robust versioning, significantly reducing your model risk



SHARING

Once a model is uploaded in Spark, it can be shared internally and externally with changes easily made just once at the source



EMPOWERMENT

With Spark you can leverage everyone's knowledge of Excel, allowing key members of your team to build, review and revise logic rules on Excel.

Why Excel?



Excel is a universally accessible tool that empowers your business team to constantly update your business logic without putting strain on your development teams

It handles every formula your teams need at different levels of complexity, making it a flexible tool to express business logic

Why APIs?

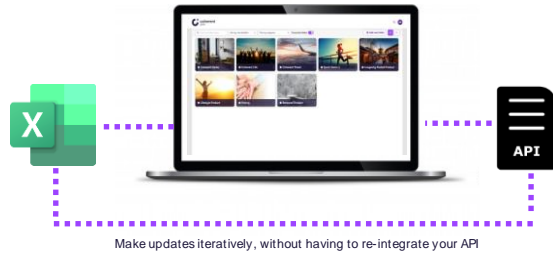


An API is a software interface that allows different systems to exchange information. It's what powers most digital tools today like your shopping apps connecting to a payment gateway or your weather app getting readings from observatories.

What Spark does successfully is allow your teams to be the creators and managers of their own APIs. They can now host any business logic they want and developers can simply connect to it. Any changes they make are reflected in real-time.

Example Use Cases

Accelerate your calculations & logic



Accelerate your no-code and modern application development by leveraging Spark for logic and complex calculations

Examples:

- Product Calculations
- Product Recommendation Engines
- Underwriting Logic
- In-force offer calculations
- Offline Calculation Engines

Explain your products digitally

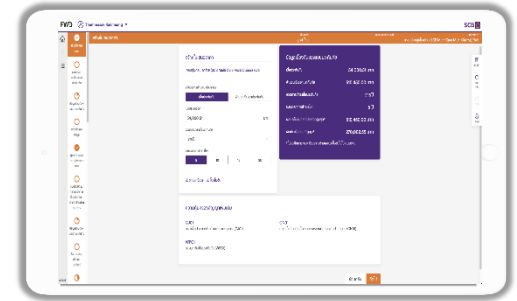


Display your product pricing & illustrations online without the need for IT development

Examples:

- Quote Tools & Calculators
- Quick Illustrations for sales teams
- FNA for country teams to manage independently

Kick-start your transformation

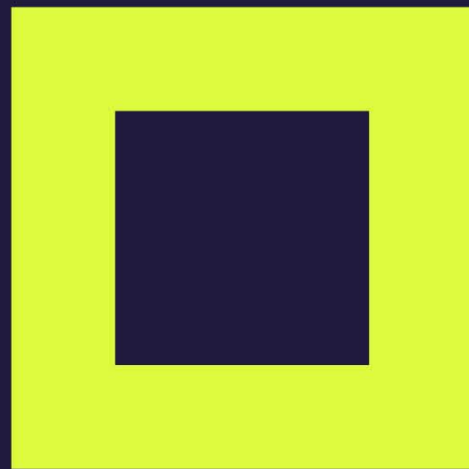


Utilise Spark as part of a broader digital transformation to rapidly provide enterprise grade APIs to new applications

Examples:

- POS Rules & Logic
- Custom engine development
- Modular Products (e.g. FWD One)
- Claims Rules

Features



Built for Enterprises

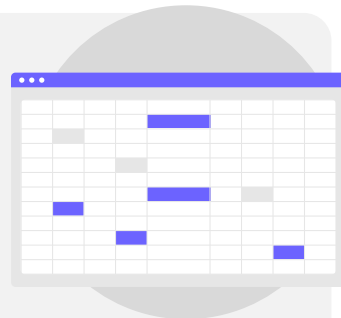
Scalable across platforms and geographies

Start with a single API to build, test and launch a service, or deploy enterprise-wide to apply logic updates across multiple business and IT functions.



Run every type of rule and logic

From straightforward lookup tables to stochastic modelling, Spark supports all forms and types of business rules and calculation logic



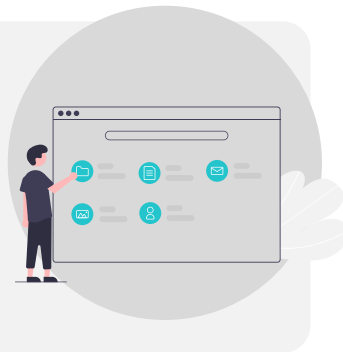
Platform agnostic

Modern APIs and security features integrate with cloud-based CRMs, No-code / Low-code platforms, and custom-built apps. Connectors and SDKs enable Spark to work with legacy and native applications and mainframe systems.



Intuitive user interface

To use Spark, simply develop rules, algorithms and calculations in Excel using hundreds of available functions, drag and drop them into the Spark engine, and start testing and refining applications right away.



Model Control



Sometimes, sharing Excel models across this business can lead to uncontrolled changes and versioning confusion.

With Spark, every version of your model is saved and recoverable. Access is also configurable for you to ensure that only the right people are making updates to your models.

Your Excel files can be downloaded as a reference for revisions or as offline copies for sharing.

Significantly reduce time and effort

The traditional approach is heavily reliant on business analysis and IT development. Coherent's Spark can enable teams to remove this dependency and improve speed to deployment.

Typical Development Process

← Weeks or Months →



Solution designed by teams



Solution approval required



Business analysis of product spec



Production of BRD



Translation to technical design



Coding



Testing against spec



Cycle repeats to match spec



Approval



Deployment

With Spark

← Days →



Solution designed by teams



Solution approval required



Upload to Spark



Testing live on Spark



Deployment (via API's to f/end and b/end)



Approval



Deployment



About Coherent



8+ Office Locations*

USA
Hong Kong
Japan
China
Singapore
Philippines
India
Thailand

Tech Deployed in:

USA
Hong Kong
Japan
China
Thailand
Brazil
Singapore
Philippines
Indonesia
Myanmar
Egypt
Kenya

200+
Employees

\$14m
Series A

100+
Engineers

30+
Actuaries & Data
Scientists

10+
US Clients

45+
Global Insurer Clients

Sample Key Clients:



Our Partner Network includes:



Thank you. ■

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