How open ecosystems grow with APIs

WIPO API Day

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Platformable supports the development of open ecosystems
What we will cover in the next 15 minutes

01. What are we talking about when we are talking about open ecosystems?

02. How value flows in open ecosystems
   Examples from open banking and open health

03. What we know about what works with open ecosystems
   And how this could be applied to the IP sector
Why open ecosystems?

Enable faster innovation, especially to solve ‘wicked problems’

Build on current paradigms in digital transformation where businesses/organisations become platforms that offer components* that can be reused to create digital products and services (more offerings and more customisation than one organisation can offer)

* Services or data

Departments and governments can reduce costs by sharing data and services across systems
How does value flow in an open banking/open finance ecosystem?

The finance world was re-created by UK and Europe’s Second Payments Services Directive (PSD2) leadership.
HMRC completes open banking rollout and sets out new priorities

Ian Hall - February 15, 2023, 2:52 pm

HM Revenue & Customs (HMRC) has completed its rollout of open banking across all tax payment types capable of supporting it – and set out its next priorities as it looks to further integrate open banking technology into its services.


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Mercado Pago amplia oferta de crédito para seus vendedores e clientes do Mercado Livre

Naiara Bertão — São Paulo
20/08/2021 06h50 · Atualizado há um ano

Empreendedores poderão solicitar uma linha de crédito para apoiar crescimento dos negócios. Com o Open Banking, vendedores poderão levar suas informações para ter acesso a melhores condições e taxas.

How does value flow in an open health ecosystem?
Based on work conducted for World Health Organization
How open ecosystems grow with APIs

RetinaRisk API
The RetinaRisk API enables access to our clinically validated algorithm for hospitals, clinics, diabetes platforms, pharmaceuticals and health insurers in order to streamline eye screening, identify high-risk patients and provide more personalized care.

The API easily connects to your IT systems to facilitate risk stratification of diabetic patients, based on required risk factors. High-risk patients will be called in for eye screening, enhancing the clinical safety of those patients, while low-risk patients may come less frequently, without compromising their clinical safety.

Connect to our developer portal!
Start exploring our API with ease at no cost
Visit the developer portal!

https://www.retinarisk.com/api/

Turning health data into health intelligence
Consumer-driven platform enabling companies to build better services and products for people.

https://www.humanapi.co/
How is value generated and distributed amongst stakeholders in an open ecosystem?
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- Use of OpenAPI Specification lets developers quickly understand what the API does
- Use of API standards helps developers build faster and more securely
- Can be API standards, can be ISO standards (country code, currency, etc)
How is value generated and distributed amongst stakeholders in an open ecosystem?

**Can IP sector agree on using common standards and OpenAPI Specification?**

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How is value generated and distributed amongst stakeholders in an open ecosystem?

- Common internal and industry-wide data models (payments, electronic health records, SNOMED, etc)
- Using JSON Schema to define data models
- Sharing of internal style guides
How is value generated and distributed amongst stakeholders in an open ecosystem?

Can IP sector share data models (e.g. accounts, patent application forms, application status)?

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How is value generated and distributed amongst stakeholders in an open ecosystem?

- Sharing of best practices: use case definition, getting started guide, authentication guide, error messaging, case studies
- Use of security specific tooling
- Monitoring digital readiness and capacity to implement, creating widgets/plug-ins
How is value generated and distributed amongst stakeholders in an open ecosystem?

Events like WIPO API Day!
How to maintain those connections after these two days?

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Clear understanding of audiences: fintech, aggregators, health tech, researchers
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IP audiences:
IP offices, law firms, large companies, software tooling providers, external contractors

What if there was a shared document of roadmaps, audience needs?
How is value generated and distributed amongst stakeholders in an open ecosystem?

APIs introduce potential for market imbalances: Larger companies and law firms can more easily integrate APIs into their systems.
How is value generated and distributed amongst stakeholders in an open ecosystem?

How does the IP sector collectively track and monitor this inequity risk?

APIs for low and middle income countries, APIs for startup software providers? APIs for vision-impaired tooling?

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How is value generated and distributed amongst stakeholders in an open ecosystem?

APIs reduce resource inefficiencies, can stimulate economic development, can create more participatory opportunities for everyone in society
How is value generated and distributed amongst stakeholders in an open ecosystem?

How can the IP sector monitor the impact it is generating by moving to a digital infrastructure/open ecosystem model? Is there a key indicator each IP office could track in these three areas? (eg. number of new patents, reduction in time spent applying, more diverse innovators)

APIs reduce resource inefficiencies, can stimulate economic development, can create more participatory opportunities for everyone in society.
Thankyou

Let’s stay in touch

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