



API MANAGEMENT – STRATEGY & ROADMAP 2023+

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AGENDA

- Strategy
- Current Situation
- What is new - what has changed?
- What is next..
- Q&A

STRATEGY

APIs are the *backbone* for the EPO's Digital Transformation journey

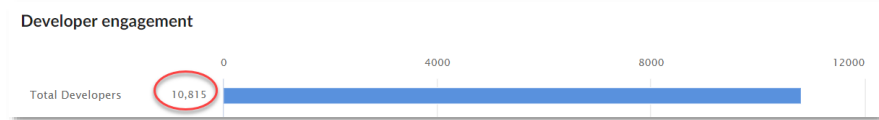
At its core, we promote an **API^{1-st} integration strategy**, aimed to

- Deliver patent data that matters: relevant and up-to-date information that consumers **need**
- Enable automation across both dimensions of patent processes *and* patent services
 - Patent Information services
 - Prior Art & more..
 - Transactional Patent Business services
 - Patent Portfolio Management
 - Core Patent Business Exchange & Integration services

CURRENT SITUATION

EPO's API Management is entering its **10th year** – beginning in 2013

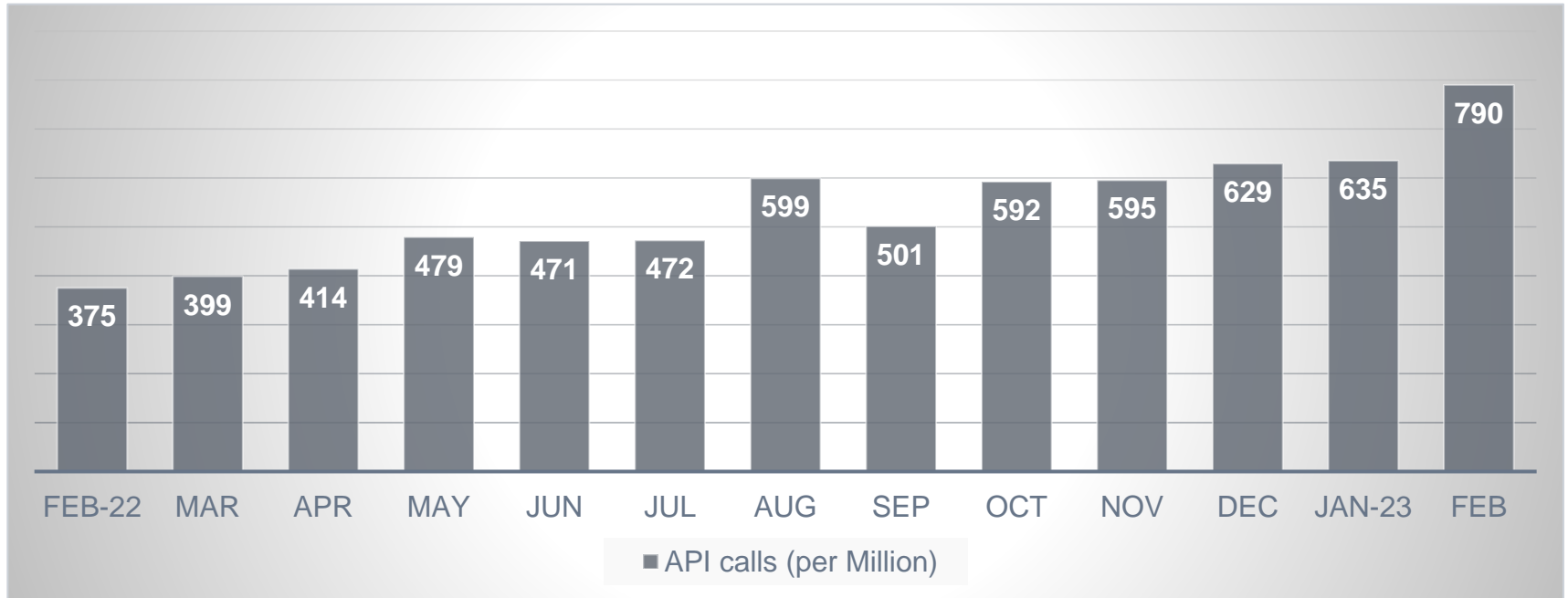
- APIs are 100% fully-fledged **Products**
- Major uptake in API consumers
- Extremely active Developer Portal
 - <https://developers.epo.org>
 - API Sandbox: #1 enabler
- Preparing the introduction of new APIs (new Domains of Patent services)
 - (see presentation later....)



Family

method	description	
GET 43	INPADOC Family Retrieval Service http://mep.epo.org/3.2/soap www.epo.com/family/epoapi/InpadocFamilyRetrievalService	Family retrieval service
GET 43	INPADOC Family Retrieval Service with Biblio http://mep.epo.org/3.2/soap www.epo.com/family/epoapi/InpadocFamilyRetrievalServiceWithBiblio	Family + biblio retrieval service
GET 43	INPADOC Family Retrieval Service with Legal http://mep.epo.org/3.2/soap www.epo.com/family/epoapi/InpadocFamilyRetrievalServiceWithLegal	Family + legal data retrieval service
POST 43	INPADOC Family Retrieval Service (POST) http://mep.epo.org/3.2/soap www.epo.com/family/epoapi/InpadocFamilyRetrievalServicePost	Family retrieval service
POST 43	INPADOC Family Retrieval Service with Biblio (POST) http://mep.epo.org/3.2/soap www.epo.com/family/epoapi/InpadocFamilyRetrievalServicePostWithBiblio	Family + biblio retrieval service
POST 43	INPADOC Family Retrieval Service with Legal (POST) http://mep.epo.org/3.2/soap www.epo.com/family/epoapi/InpadocFamilyRetrievalServicePostWithLegal	Family + legal data retrieval service

CURRENT API USAGE



WHAT IS NEW – WHAT HAS CHANGED?

(Multi)Cloud Strategy

- APIs are not hosted just within 1 location
- EPO Data Centre(s)
 - Private Cloud
- Public Cloud
- Sovereign Cloud
- 3rd Party (strategic) SaaS



Zero Trust Architecture

- No explicit trust - authn/authz everything
- Ensure usage of industry-trusted (web) security standards
 - e.g. OAuth/OIDC
 - CIAM
- Policies everywhere!
 - Policy as Code
- Ensure Security is manageable!

WHAT IS NEXT?

Alignment of internal and external API Mgt

- Can both be aligned?
- Increased support for API Consumers
 - Goal: API Experience must be incredibly simple **and** secure!
- Bring Observability to the edge!
 - Real-time analytics & reporting
- Ensure QoS for API Products
 - Availability, reliability, perf. & stability

Update of API Management platform

- Ensure business continuity
- Leverage (cloud) technology advances in
 - Infrastructure services
 - Security
 - AI/ML to detect/mitigate abuse!
- Developer Portal
 - Prioritise Developer Experience
 - Improved API Catalogue Management

THANK YOU!