

InterSystems

Qué hay de nuevo en 25 minutos

José Tomás Salvador

Sales Engineer Manager

@jtsalvador_is

<https://www.linkedin.com/in/jtsalvador/>



InterSystems Meetup 2023 - Barcelona



Agenda

- 1 Novedades
- 2 Formación
- 3 Ecosistema de la Comunidad de Desarrolladores



Novedades

Mejoras y nuevas funcionalidades



- **2022.2 y 2022.3**
 - FHIR SQL Builder, Columnar Storage, IAM 3.0
- **2023.x**
 - FHIR Validator, FHIR Bulk Data, FHIR R5
 - Integrated ML – *Time aware modelling*
 - IRIS ya no incluye servidor web
 - Federated Tables (EAP), Foreign Tables (Exp)
 - Compresión/archivado automático de *journals*
- **2024.x+**
 - Multi-volumen Database
 - Backup online - *refactoring*
 - Soporte a OMOP/OHDSI
 - Datamodels: Auto-mapped JSON
 - GenAI integration
 - VectorDB



Adds **forecasting** to IntegratedML machine learning capabilities, leveraging a date or time field

```
CREATE TIME SERIES MODEL hungary60
PREDICTING (*) BY (DATE1)
FROM chickenpox_training
USING ( "Forward" : 60 )
```

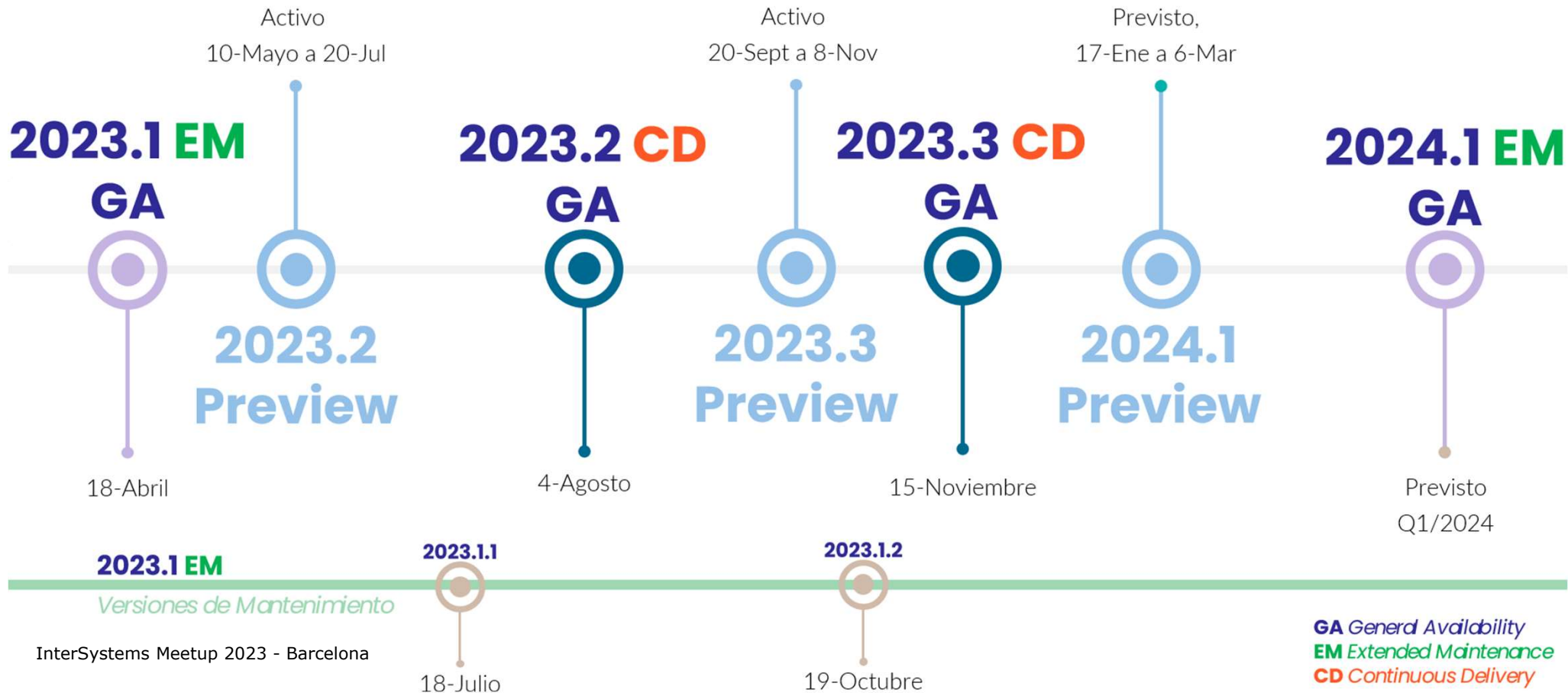
Predictions returned as **new rows** in query results, which is a novel concept for SQL

```
SELECT WITH PREDICTIONS (hungary60) *
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ID	DATE1	RACS	BUDAPEST	FEJER	HAZOU
515	11/18/14	10	33	20	3
516	11/17/14	26	85	28	9
517	11/24/14	14	16	9	4
518	12/1/14	41	95	14	14
519	12/8/14	31	43	2	25
520	12/15/14	15	35	7	4
521	12/22/14	8	30	1	10
522	12/29/14	49	258	11	63
1/18/15	35	85	14	27	
1/18/15	39	82	14	31	
1/25/15	39	82	18	32	
2/1/15	33	102	20	38	
2/8/15	34	103	22	43	
2/15/15	31	101	26	43	
2/22/15	45	106	29	40	

<https://portal.live.isccloud.io/>

Mejoras y nuevas funcionalidades



Mejoras y nuevas funcionalidades



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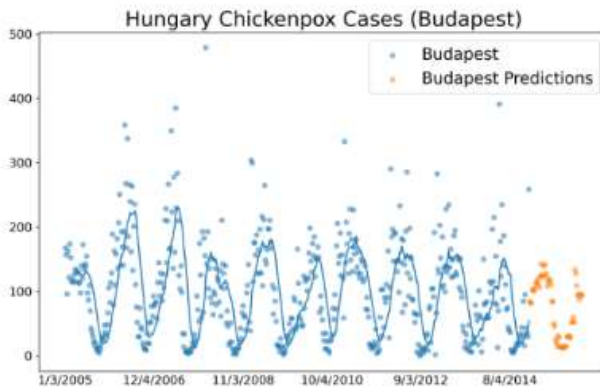
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Mejoras y nuevas funcionalidades

Time Series forecasting in IntegratedML (now GA)

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	1/11/15	35	85	14	27
	1/18/15	39	82	14	31
	1/25/15	39	82	18	32
	2/1/15	33	102	20	39
	2/8/15	34	103	22	41
	2/15/15	31	101	26	43
	2/22/15	45	106	29	40

original rows

predictions

* Currently for InterSystems AutoML provider only, DataRobot and H2O support coming soon
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<https://portal.live.isccloud.io/>

Mejoras y nuevas funcionalidades



CLOUD SERVICES PORTAL

User: JoseTomas Sa

Refresh

Cloud Services

Cloud Services > Services

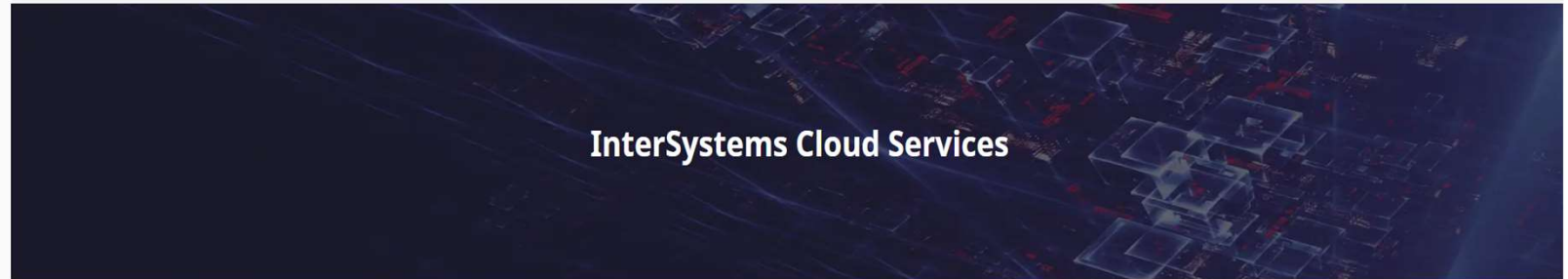
Services

Cost Calculator

Deployments

Tenants

Resource Center



InterSystems Cloud Services

All Cloud Services

FHIR Server

A fully managed, enterprise-grade FHIR® service, hosted on AWS and available in the US and Europe. InterSystems will securely manage protected health data (PHI) on AWS, making it easy to develop innovative healthcare applications using FHIR.

[Start trial](#) [Subscribe](#)

Health Connect Cloud

An integration engine that delivers high-volume transaction support, process management, and monitoring to support mission critical applications.

[Start trial](#) [Subscribe](#)

IRIS Cloud Service

A generic integration engine that delivers high-volume transaction support, process management, and monitoring to support mission critical applications.

[Start trial](#) [Subscribe](#)

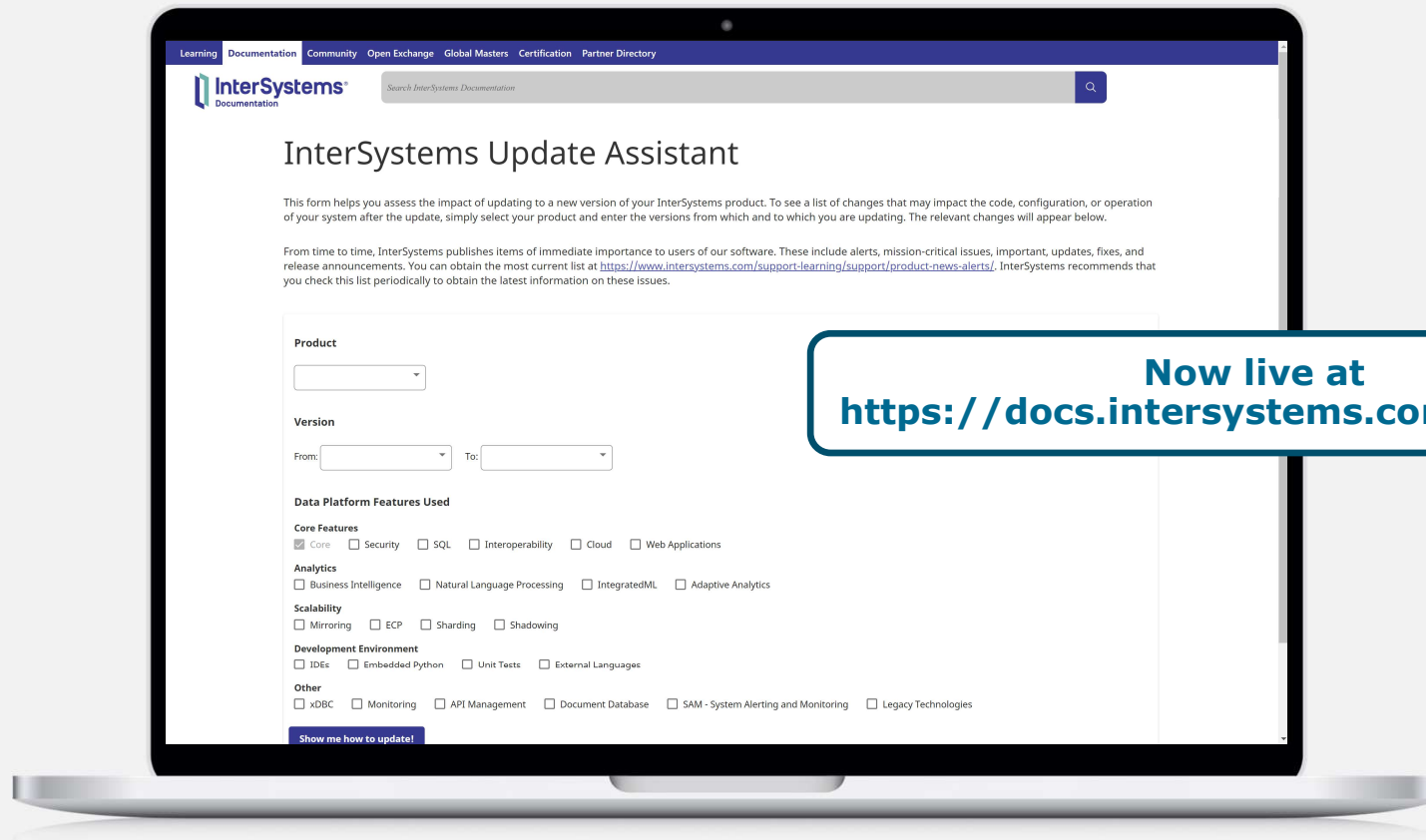
FHIR Transformation Services

Automate the transformation of health care data to FHIR R4 resources and deposit the resources into a cloud based data repository.

[Start trial](#) [Subscribe](#)

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Asistente para upgrade de versiones



Early Access Programs actuales

- InterSystems IRIS Cloud SQL
- InterSystems IRIS Cloud IntegratedML
- IntegratedML Time Series Modeling
- Foreign Tables
- Health Data De-Identifier
- InterSystems IRIS Healthcare Action Engine
- HealthShare HL7v2 Data Profiling Tool



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Early Access Program

Thank you for your interest in the InterSystems Early Access Programs (EAP). By signing up, you are expressing interest in participating in one or more of our active EAPs and agree to be contacted so we can provide more information and requirements for the EAP(s) you register for.

Early Access Technologies

InterSystems IRIS Cloud SQL - an easy-to-use, high-performance SQL database running as a fully managed service.

InterSystems IRIS Cloud IntegratedML - adds fully managed IntegratedML to IRIS Cloud SQL. IntegratedML is a turnkey tool for core machine learning tasks in a familiar all-SQL environment.

IntegratedML Time Series Modeling - Time series forecasting is a new capability of IntegratedML, an all-SQL in-database machine learning toolkit inside InterSystems IRIS. This makes it simple for analysts and developers to build and use models that generate a series of predicted values that can be extremely useful in business intelligence and other applications.

Foreign Tables - Foreign Tables is a new capability of IRIS SQL that enables users to include data managed elsewhere, in a file or remote database, in regular IRIS SQL queries. Foreign Tables is available as a documented, experimental feature in 2023.1

Health Data De-identifier - a configurable framework to de-identify structured clinical data. It incorporates HIPAA Safe Harbor rules for the US but provides hooks to be adjusted for regional requirements.

HealthShare HL7® v2 Data Profiling Tool - The HL7® v2 Data Profiling Tool is a HealthShare application that can help speed up onboarding of HL7® v2 data feeds by

Request Early Access

First Name* Last Name*

Email Address*

Company* Title*

Level* Role*

Industry* Country/Re...*

Please choose the program(s) you are interested in.*

InterSystems IRIS Cloud SQL

InterSystems IRIS Cloud IntegratedML

IntegratedML Time Series Modeling

Foreign Tables

Health Data De-Identifier

HealthShare HL7® v2 Data Profiling Tool

HealthShare Healthcare Action Engine - Asynchronous Notifications

What is your use case for your selected program(s)? (optional)

[Request Early Access](#)

<https://www.intersystems.com/early-access-program/>



Formación

Formación

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Self-paced materials to help you build and support the world's most important applications.

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Get quick, high-level introductions to InterSystems products and technologies.
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Insignias digitales



InterSystems Learning and Training Badges 34 InterSystems

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Certification Subject Matter Expert Specialist 10 InterSystems

InterSystems Participation Badges InterSystems

<https://www.credly.com/organizations/intersystems-certification>

Asistencia al Curso

InterSystems IBERIA

DESARROLLO EN INTERSYSTEMS IRIS OBJETOS Y SQL FORMACIÓN

Asistencia al Curso

InterSystems IBERIA

CREACIÓN DE INTEGRACIONES EN SECTOR SALUD FORMACIÓN

Asistencia al Curso

InterSystems IBERIA

ADMINISTRACIÓN DE INTERSYSTEMS IRIS FORMACIÓN

Asistencia al Curso

InterSystems IBERIA

CONSTRUIR Y GESTIONAR INTEGRACIONES HL7 FORMACIÓN

Asistencia al Curso

InterSystems IBERIA

CREACIÓN DE INTEGRACIONES HL7 FORMACIÓN



Ecosistema de la comunidad de desarrolladores

Ecosistema de la comunidad de desarrolladores

“punto único” para que los desarrolladores se unan, aprendan, innoven y compartan



Developer Community

Foro Desarrollo Forum • Q&A • Concursos

16,000 miembros • 18,500+ posts

8,500,000 lecturas (vistas) • 100+ preguntas mensuales



Ideas Portal

Feedback e Ideas sobre Producto

280+ ideas

15% implementadas desde su lanzamiento en 2022



Open Exchange

Galería de Aplicaciones

850+ aplicaciones

3,000+ instalaciones/mes



Global Masters

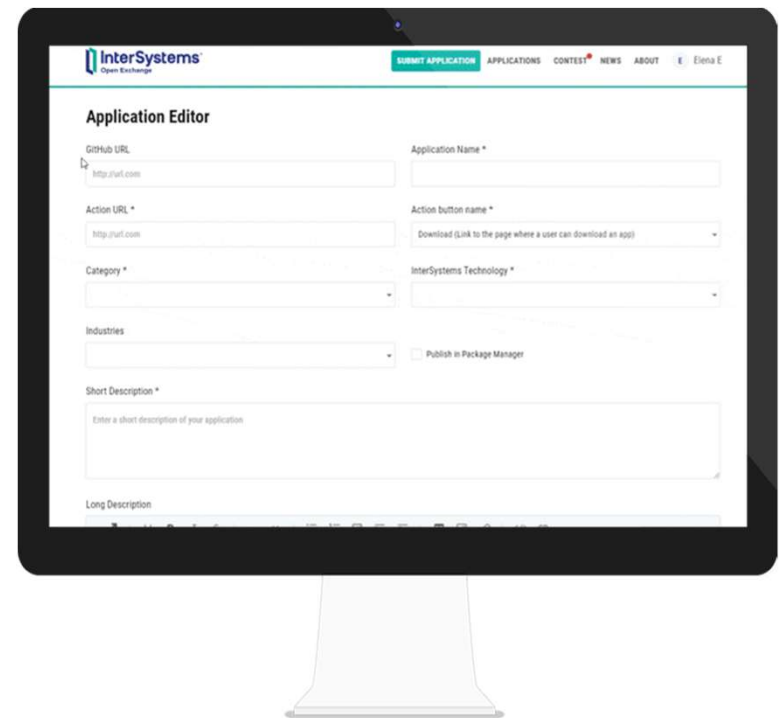
Hub del desarrollador

2,400+ embajadores

¡Grandes Premios!

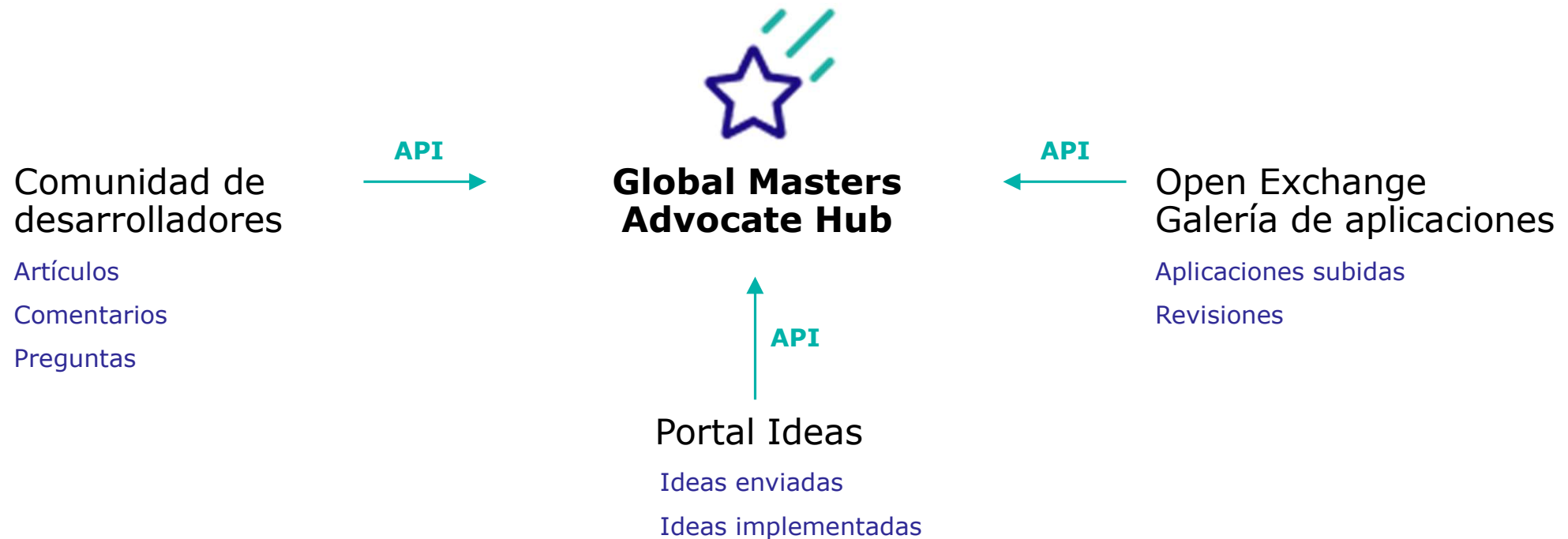
Gestor de paquetes (IPM)

Modo productivo de Desarrollo y despliegue con InterSystems



pm.community.intersystems.com
pm.intersystems.com

Obtén puntos por tu contribución



Recompensas



iÚnete al ecosistema de desarrollo hoy!



Comunidad de desarrolladores



community.intersystems.com

Open Exchange



openexchange.intersystems.com

Global Masters



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Portal Ideas



ideas.intersystems.com

Entra utilizando tus credenciales SSO de InterSystems.

iGracias!



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