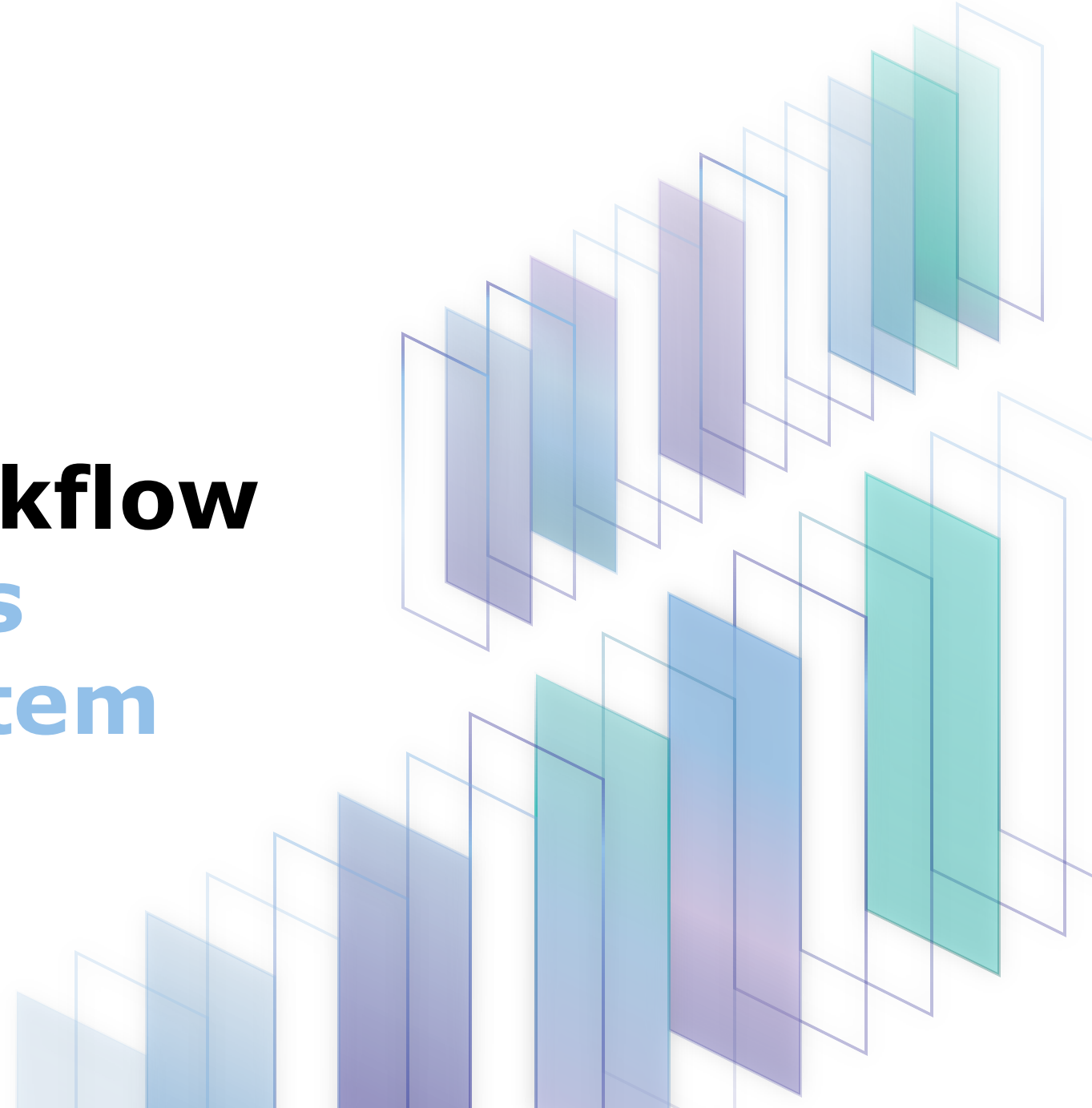


# Streamlining Development Workflow with **InterSystems** Developer Ecosystem

**Irène Mykhailova**


Moderator of the Developer Community



# One Ecosystem – Four Developer Platforms




Supporting developers at every stage: learn, build, share, and grow




## Developer Community

Q&A | Articles | Videos | Contests | Events



## Open Exchange

Open-source solutions based on IRIS



## Global Masters

Gamification | Badges | Rewards



## Ideas Portal

Product ideas | Bug Reports

# Engaging Thousands of Developers Worldwide

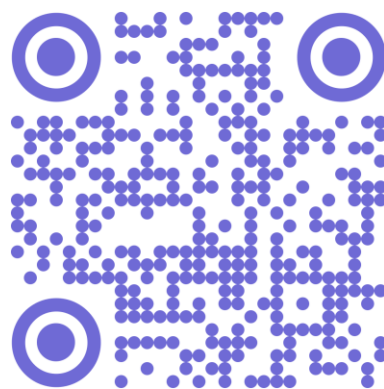


**25.9K+** Members

**25.4K+** Posts

**1.1K+** Open-source apps

**600+** Ideas

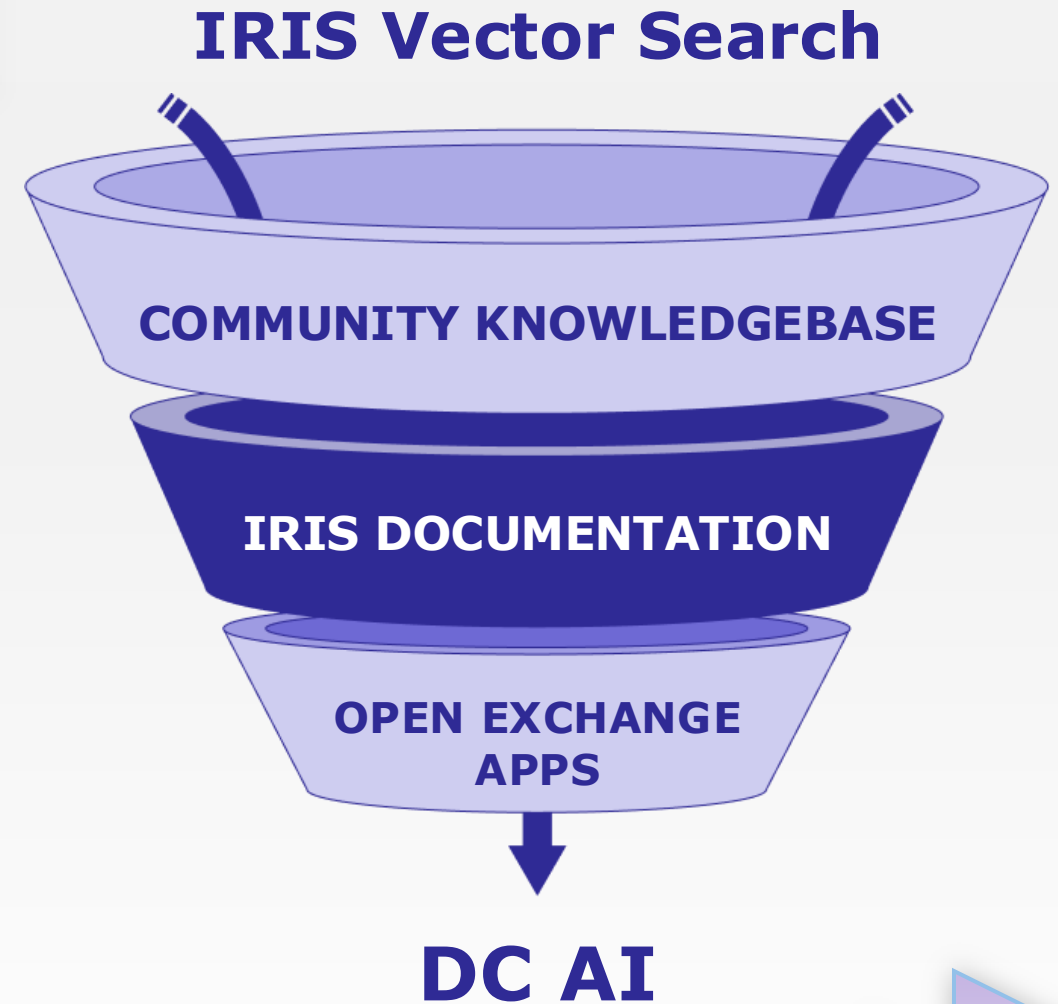


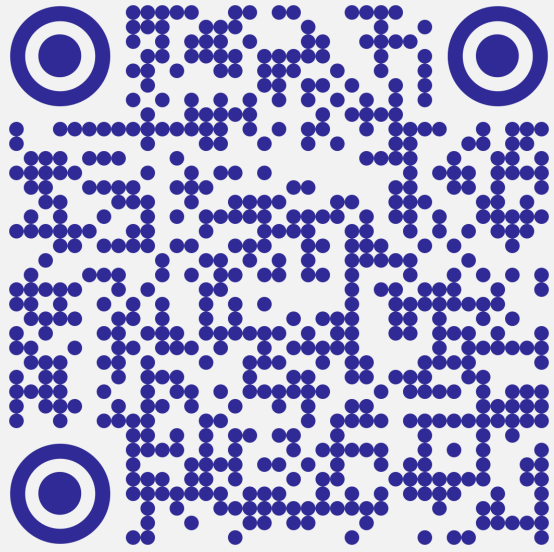
**6 regional forums: EN, ES, PT, JP, CN, and FR**

# Developer Community AI

Your built-in AI assistant  
on the Community forum

- ✓ Answers tech questions in real-time as a Bot and in a chat
- ✓ Provides code samples, explanations, and best practices
- ✓ Continuously learns from Community, Documentation, Applications
- ✓ Supports multilingual input
- ✓ 1K+ answered questions monthly



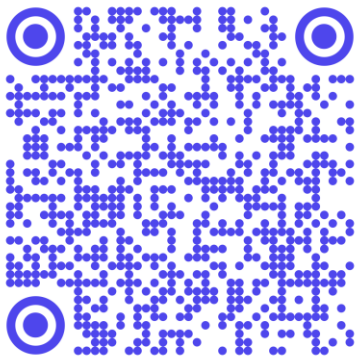


# Free Hands-On Tutorials

All tutorials are free, browser-based, and require no setup

- ✓ InterSystems Data Studio **New!**
- ✓ Data Models of InterSystems IRIS **New!**
- ✓ Full Stack Tutorial
- ✓ REST + Angular Application
- ✓ IRIS Interoperability
- ✓ IRIS for Health Interoperability
- ✓ RAG using InterSystems IRIS Vector Search

# InterSystems Data Studio Tutorial



play.instruqt.com/embed/interSystems/tracks/intro-to-ids/challenges/data-sources-and-schemas/assignment#tab-0

**instruqt** Introduction to InterSystems Data Studio Overview Progress Hide Instructions 56m

IDS </> data systemadmin

**Management**

- Workflow Inbox
- Management
- Entity Master
- Business Scheduler
- Snapshots
- Recipes
- Adaptive Analytics
- SQL
- Research Assistant
- File Manager
- Data Catalog

**General**

- Credentials
- System Configuration

**Security**

- App Menu
- Role Privileges
- SSO Configuration
- SSO Rules
- User Registry
- User Roles

**Data Loader**

- Data Sources**

**Email**

- Email Distribution Lists
- Email Templates

**Config Management**

- Import
- Export

Available data source types

- ExcelSingleFileDir
- FileDir**
- JDBC
- REST
- S3Delimited
- SAPS4HanaAPI
- Salesforce
- SftpDelimited

**FileDir Data Sources**

Data source name
TestFileDir

**Instructions** View notes

then select "TestFileDir" from the "Choose a File Directory Source" dropdown if it's not selected already.

Data Studio has created some directories for us:

- The **Archive** directory is where files end up after they've been processed by a recipe
- The **Samples** directory is where we can upload example files from this data source that we can use to automatically create and configure schemas
- The **Source** directory is where we will upload actual data files for processing
- The **Work** directory is where files are temporarily held while being processed by recipes

Looking in the `/Samples` directory, we can see a `test.csv` file (refresh the page if you're not seeing it). In the `data` tab, you can see the sample data we're working with; a small CSV file of transaction data. We're going to use this file to import a Schema based on the data:

Click "Data Catalog" in the left-hand menu bar and select the "Data Schema Importer" option. Here is where we can import schemas from any

Skip Next

# Data Models of InterSystems IRIS Tutorial



Object Model - Instruqt

play.instruqt.com/embed/interSystems/tracks/quickstart/challenges/object-model/assignment#tab-0

instruqt Data Models of InterSystems IRIS

Overview Progress Hide Instructions 19m

Instructions View notes

### Object Model

In this task, you will learn about the object model of InterSystems IRIS by working with a simple persistent class and creating its instances using the provided methods. The class `Test.SampleClass` consists of:

- Name (a string),
- Age (an integer),
- class method `CreateNew()`, which creates and saves a new instance of this class,
- instance method `PrintInfo()`, which outputs a formatted description of the person.

Begin by opening the `VS Code` tab (if it's not done already) and expanding the `src/Test` folder. Locate and open `SampleClass.cls`.

Inside the file, find the `Classmethod CreateNew()` implementation and uncomment all lines. This method creates a new object, sets its properties and quits with the result of saving it to the database. Save your changes and compile the

Skip Check

```
opt > intersystems > src > Test > SampleClass.cls > Test.SampleClass > CreateNew
1  /// This class demonstrates an example of using classes
2  Class Test.SampleClass Extends %Persistent
3  {
4
5  Property Name As %String;
6
7  Property Age As %Integer;
8
9  /// Class method to create new objectscript
10 ClassMethod CreateNew(name As %String, age As %Integer) As %Status
11 {
12     set newPerson = ##class(Test.SampleClass).%New()
13     set newPerson.Name = name
14     set newPerson.Age = age
15     return newPerson.%Save()
16 }
17
18 /// Method to output the info about a person
19 Method PrintInfo()
20 {
21     write ..Name _ " is " _ ..Age _ " years old."
22 }
23
24 Storage Default
25 {
26     Data name "SampleClassDefaultData";
27 }
```

# Global Masters

Gamified learning platform  
for developers



## Earn Points, Badges and Redeem Prizes

- ✓ Selected content for developers
- ✓ Learning challenges & tech quizzes
- ✓ Fun and networking activities

