

Masterclass | InterSystem IRIS for Python developers

Python-first hands-on experience with InterSystems
IRIS

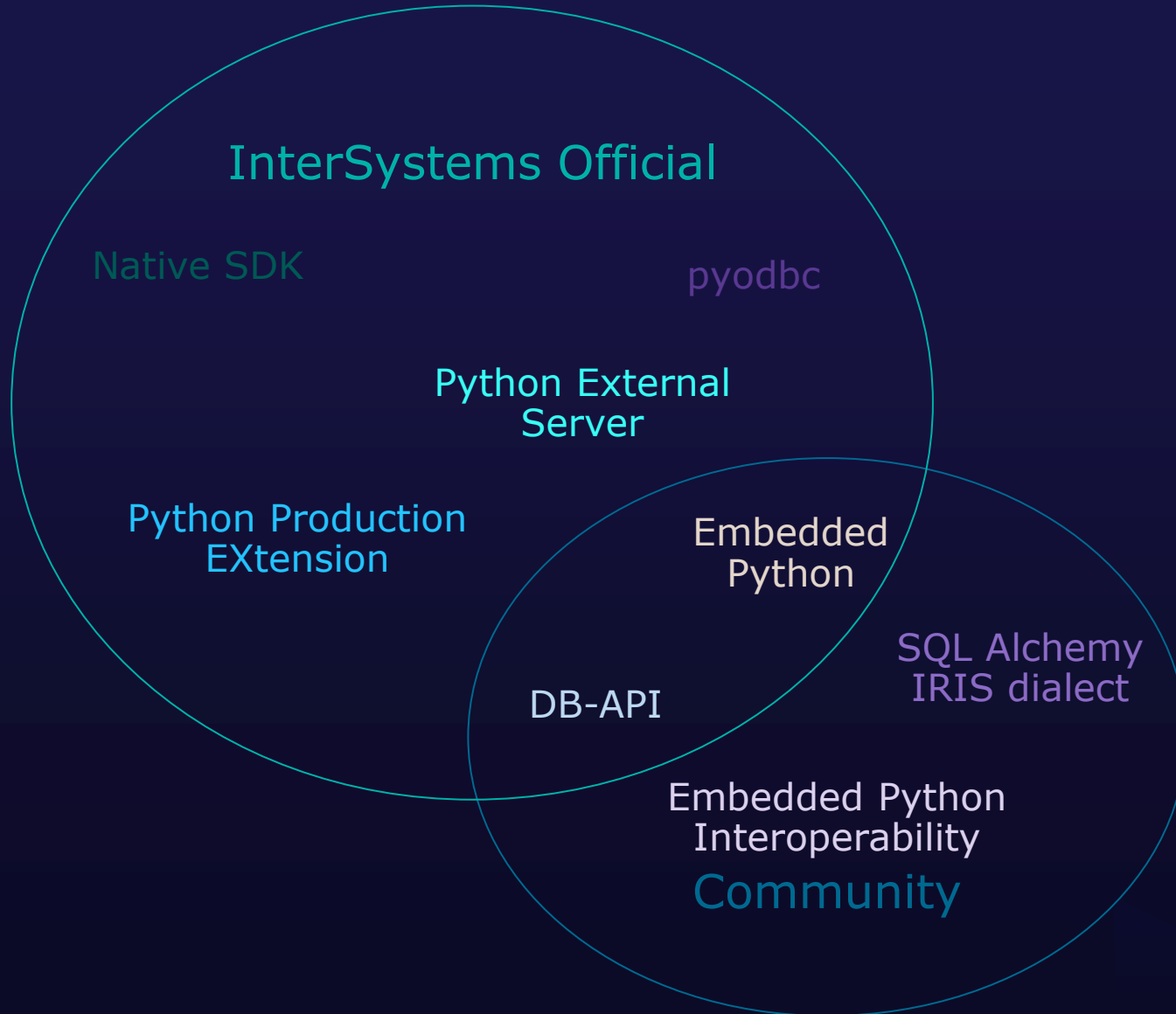


Peter Fehervari
Sales Engineer



Attila Toth
Senior Sales Engineer

There are several ways to work with Python and InterSystems IRIS

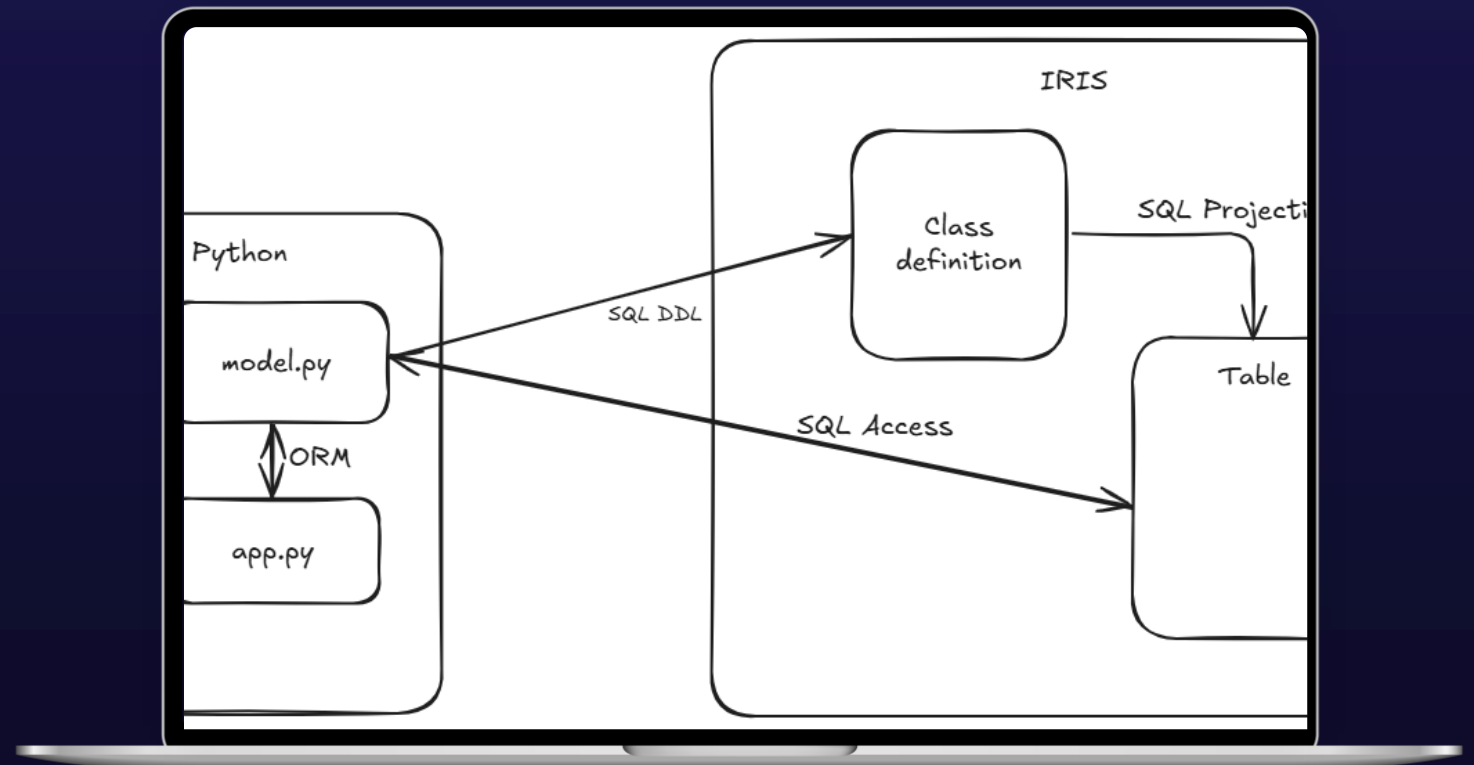




Exercise nr. 1.

The pure Python experience

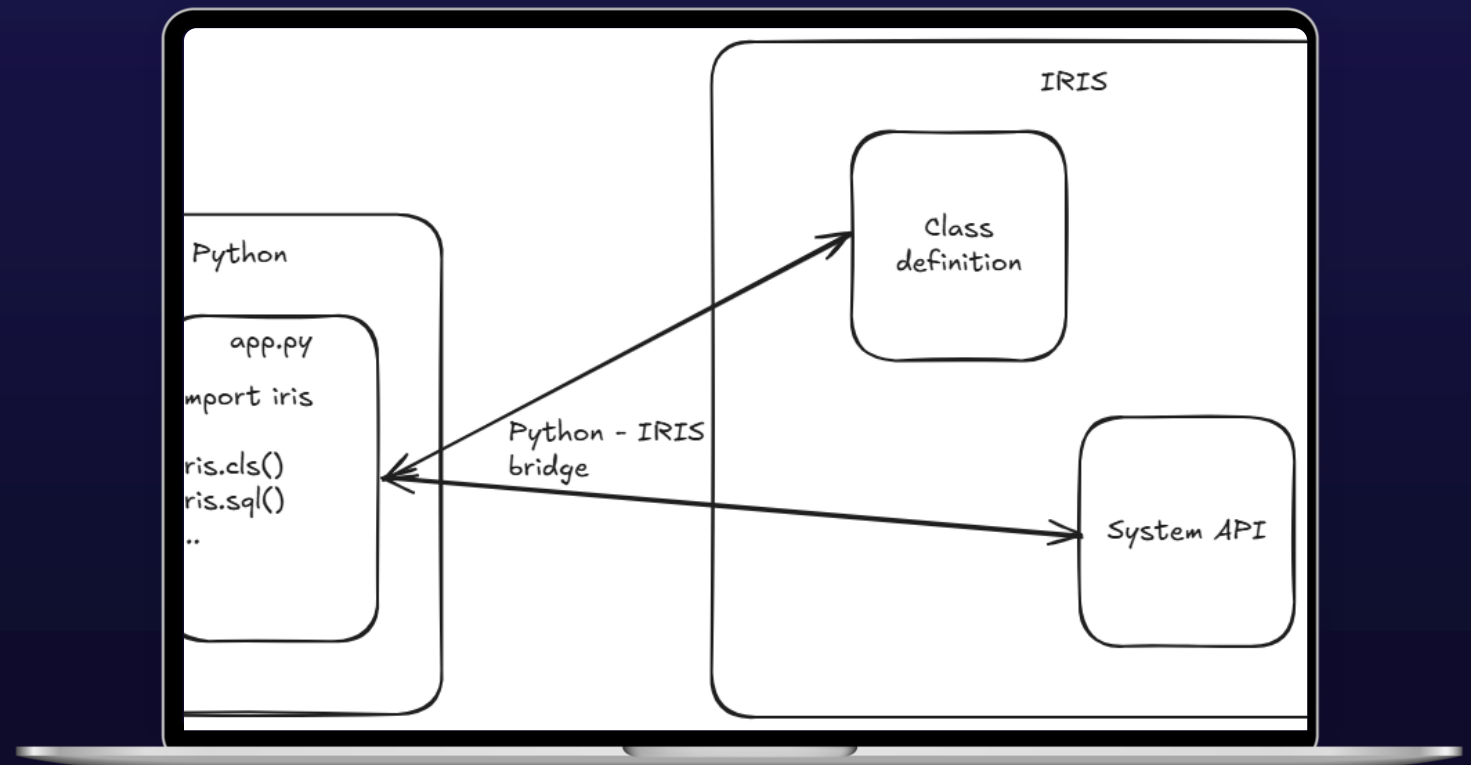
- Object Relational Mapping is one common way of working with relational data in OO context.
- SQLAlchemy is maybe the most popular ORM tool for Python – it comes with a community maintained IRIS dialect.
- Pros:
 - Database vendor agnostic code
 - Very convenient syntax
- Cons:
 - Limited control over the data model
 - Lack of performance optimization options
 - IRIS is an object database (too) – OOM???



Exercise nr. 2.

Embedded Python experience

- Embedded Python means that the Python interpreter can work closely together with the IRIS core engine.
- Pros:
 - Your code runs, where the data is
 - Full functionality of IRIS is accessible from Python – including native IRIS APIs
- Cons:
 - „Strange” syntax – sugar syntax is coming
 - Not the most common approach for a Python developer

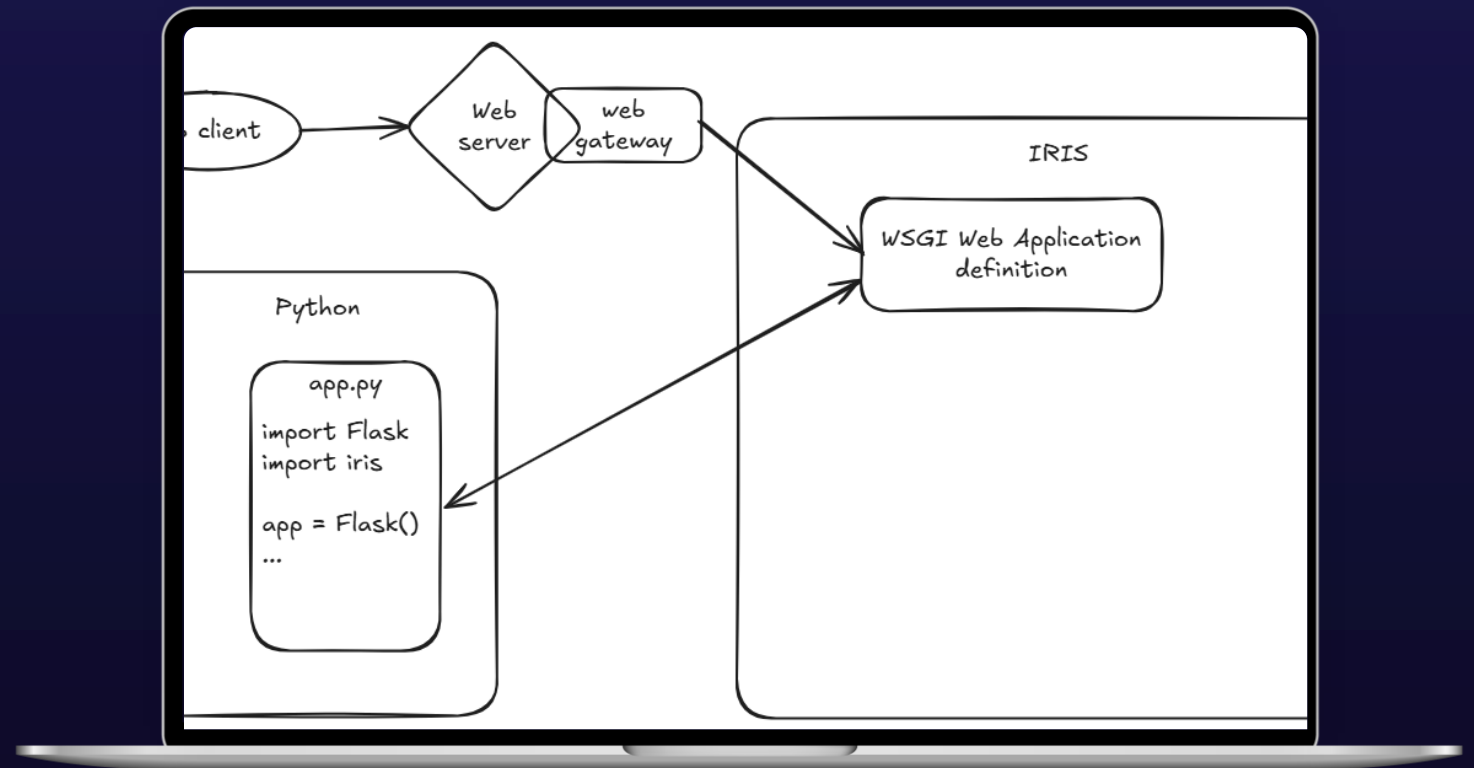




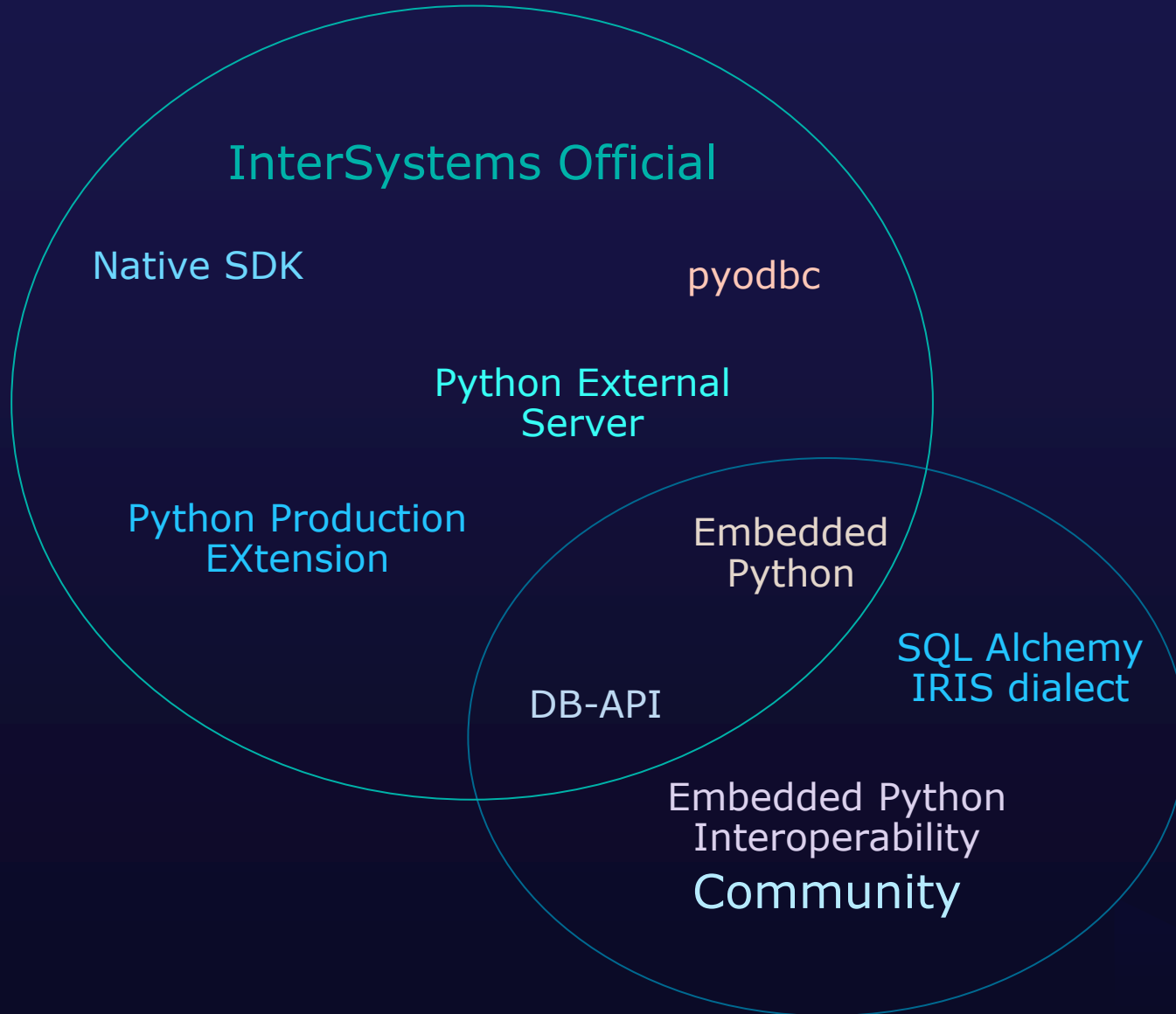
Exercise nr. 3.

REST API with Flask & IRIS

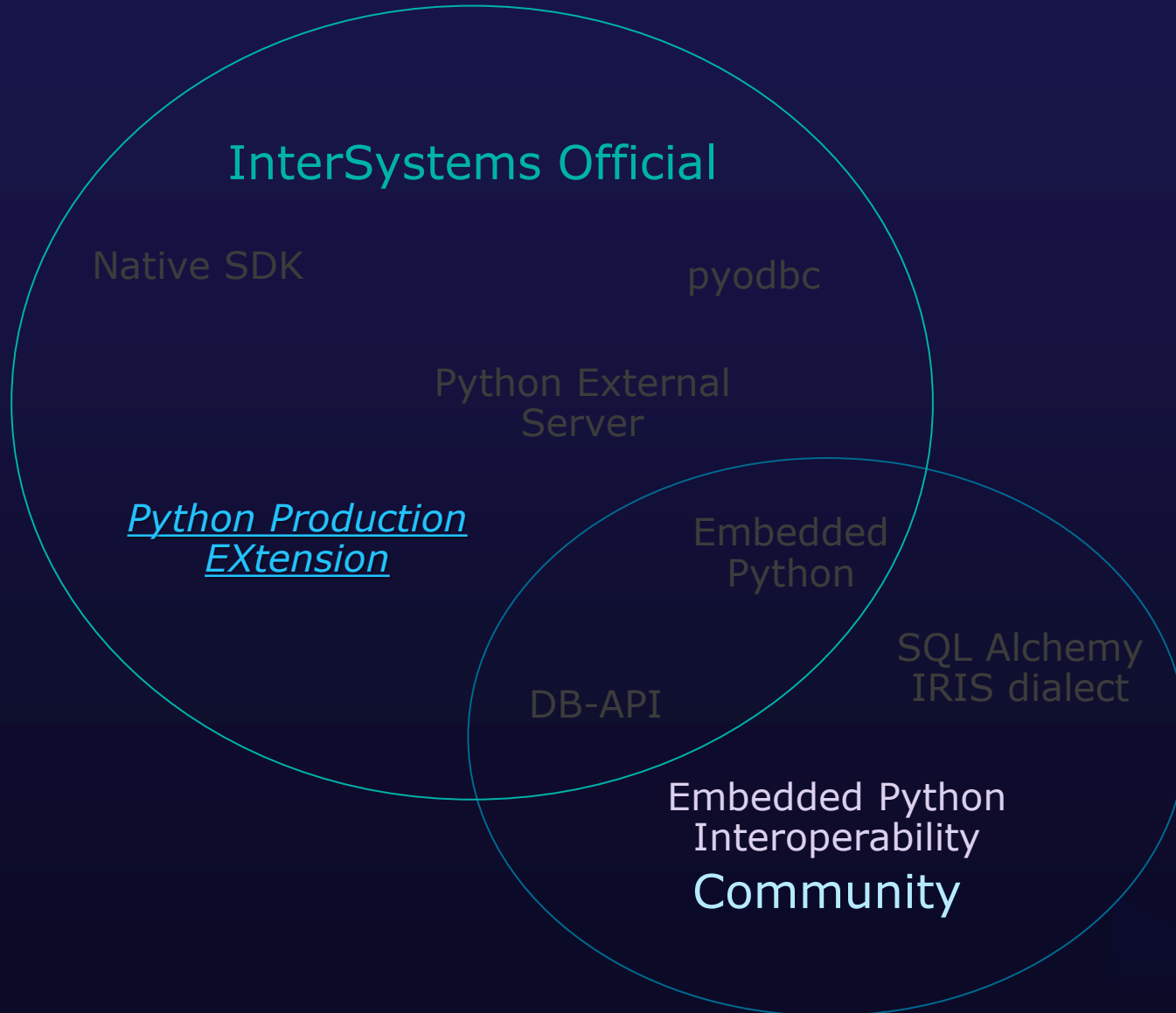
- InterSystem IRIS can now act as your WSGI server.
- Pros:
 - Simpler architecture, less moving parts
- Cons:
 - Is there one?



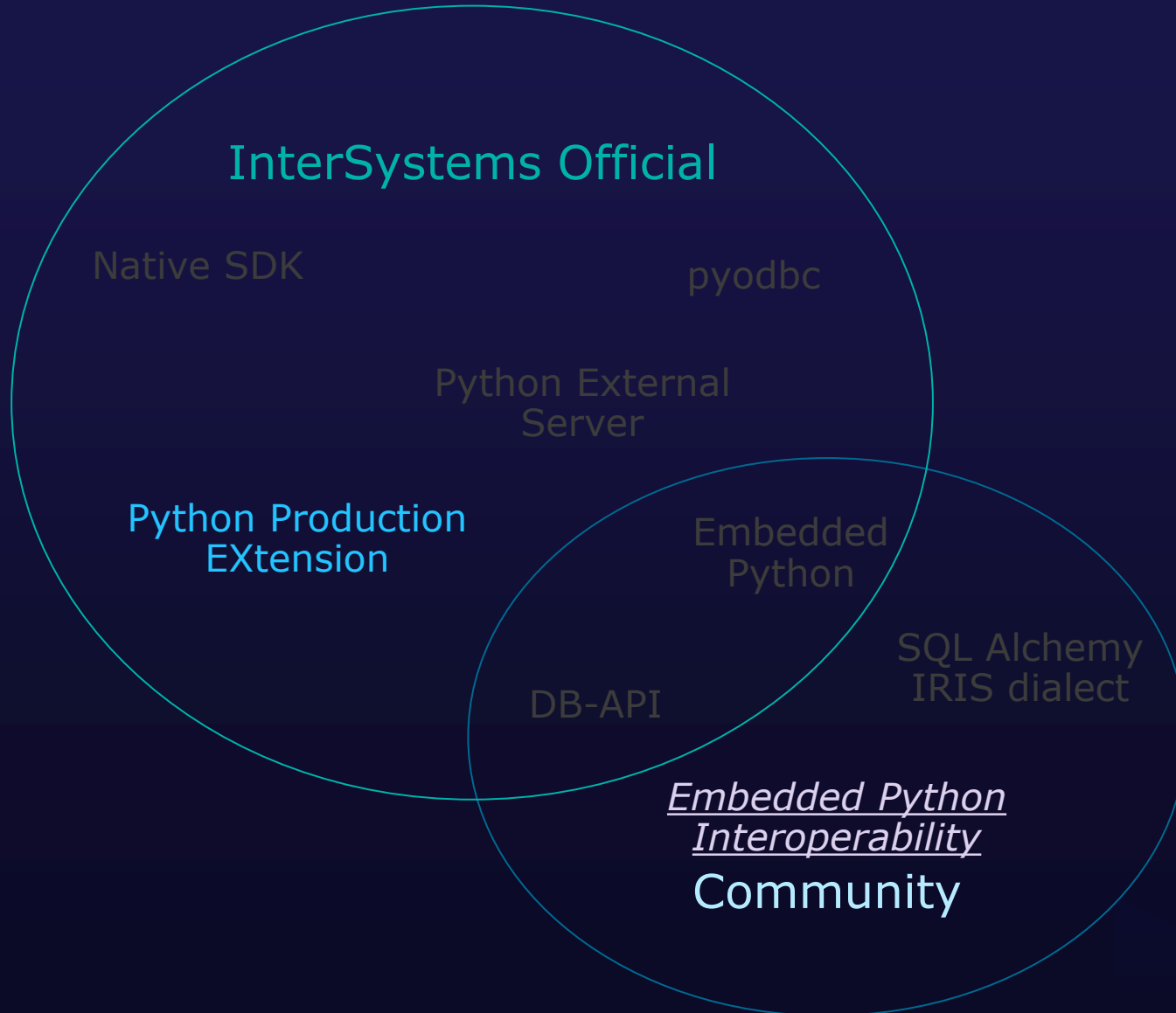
And what about Interoperability?



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Vielen Dank

Peter Fehervari, Sales Engineer
Attila Toth, Senior Sales Engineer