

### What is Integration Studio?

Integration Studio is part of the OutSystems Development suite. It enables the **extension** of the OutSystems platform through the creation of custom adapters to integrate with existing systems, databases and code

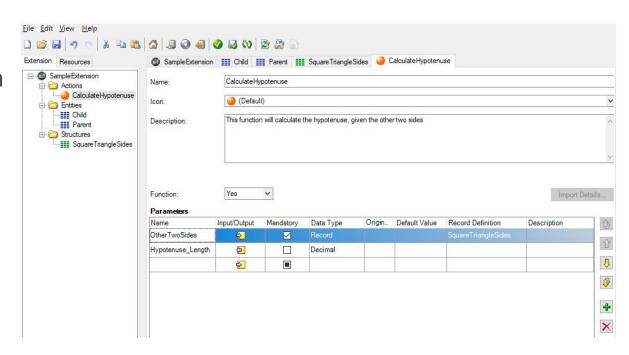
The developer defines and develops these adapters, that are published to the server as **Extension modules**, ready to be **consumed** by Service Studio modules for use in web or mobile applications



#### What is Integration Studio? (cont.)

Most common scenarios in Extension modules

- Importing external database tables, as
  Entities
- Writing custom native code, as Actions





# **Importing External DB Tables**

Declare and detail the database connection inside **Service Center** 

Create an **Extension module** in **Integration Studio**, connect to the OutSystems server and import the desired tables over that connection

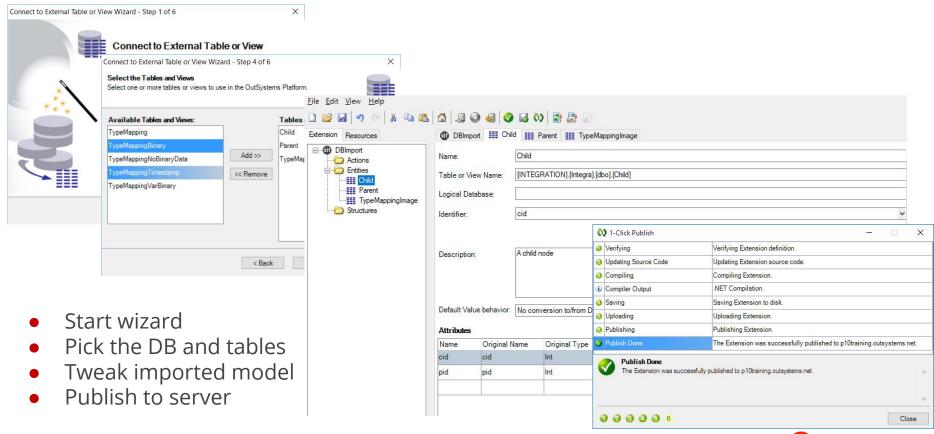
(Optionally) Tweak the introspected model e.g.

- Add descriptions to Entities and Attributes
- Fine-tune the Attributes' data types

These representations of external tables are published to server to be used in Service Studio Modules (no data is copied)



### Importing External DB Tables (cont.)





# **Integrating Custom Code**

Create an **Extension module** in **Integration Studio** and define the Action and Structure prototypes it will export

Integration Studio generates the code stubs that developers then flesh out in Visual Studio for the .NET stack.

Compiled Extension code and any dependencies developers add to it are published to server to be used in Service Studio Modules



### **Integrating Custom Code** (cont.)

