

# Data mapping

## What is it for?

Data mappings are used to facilitate the exchange of data between modules with (potentially) differing domain models.

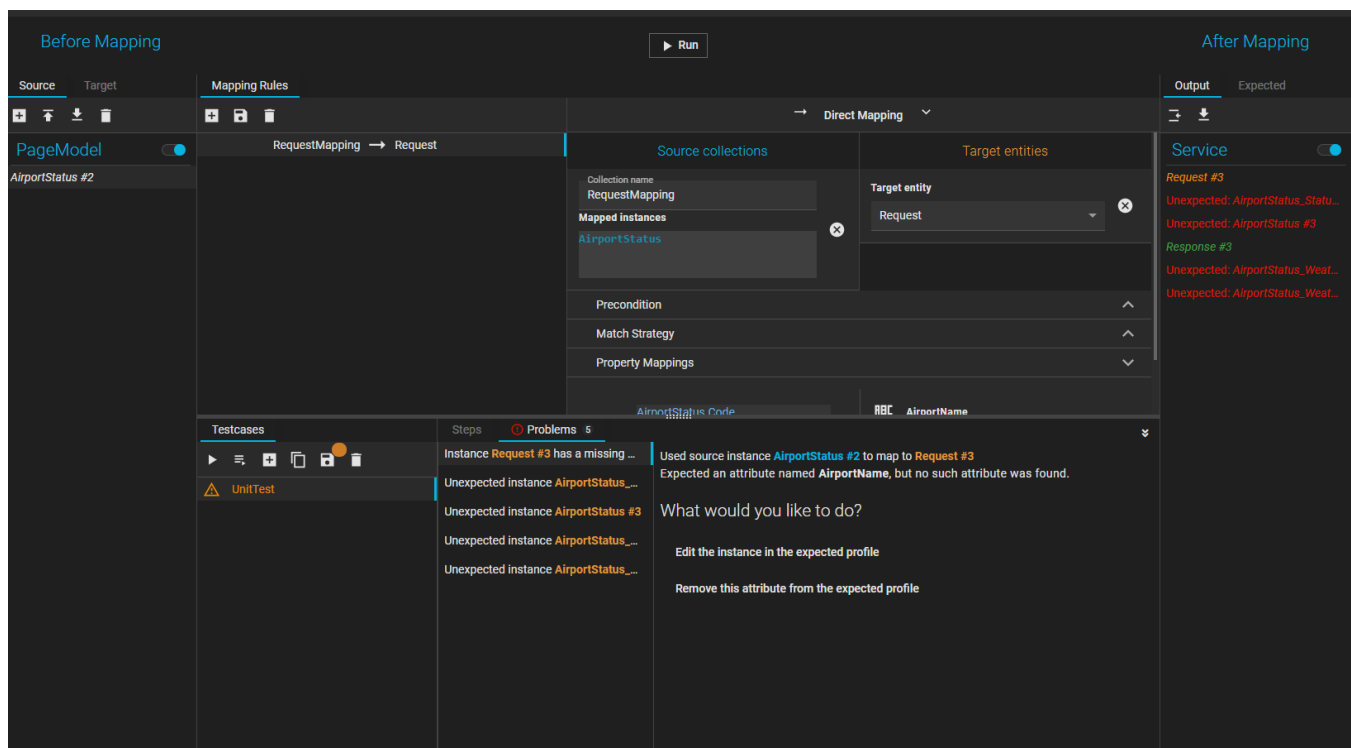
A data mapping is used in case of the next situations:

- Between a Process module and an Implementation module data has to be exchanged, for example to determine which tasks should be executed;
- Between an - for example generated while importing a WSDL - Implementation module and another Implementation module, to create the input and read from output of the webservice.

The data mapping editor is one of the most advanced editors in Blueriq Encore, it enables you to:

1. [Model \(edit\) your data mapping for a wide range of mapping scenarios.](#)
2. [Simulate your data mapping to help you understand how your data is being mapped.](#)
3. [Model unit tests for your data mapping to ensure quality.](#)

The data mapping editor is designed to support the Business Engineer while modelling a high quality data mapping. To ensure this, the three aforementioned functionalities are all combined in one view, which may feel a bit overwhelming at first glance:



The following figure shows the different sections of the data mapping editor.

- The green section is responsible for [modeling the data mapping](#).
- The yellow section is responsible for both a [live simulation](#) and [unit testing the data mapping](#).

Before Mapping

Run

After Mapping

SourceTarget

PageModel

AirportStatus #2

Mapping Rules

RequestMapping → Request

Source collections

Collection name  
RequestMapping

Mapped instances  
AirportStatus

Precondition

Match Strategy

Property Mappings

Target entities

Target entity  
Request

AirportStatus.CodeRBCAirportName

OutputExpected

Service

Request #3

Unexpected: AirportStatus\_Statu...

Unexpected: AirportStatus #3

Response #3

Unexpected: AirportStatus\_Weat...

Unexpected: AirportStatus\_Weat...

Testcases

StepsProblems 5

UnitTest

Instance Request #3 has a missing ...

Unexpected instance AirportStatus\_...

Unexpected instance AirportStatus #3

Unexpected instance AirportStatus\_...

Unexpected instance AirportStatus\_...

Used source instance AirportStatus #2 to map to Request #3

Expected an attribute named AirportName, but no such attribute was found.

What would you like to do?

Edit the instance in the expected profile

Remove this attribute from the expected profile