

## Pattern 4: Joining Event Streams

In a typical streaming scenario, there is often the need for merge information from different inputs. Odysseus provides the [Join operator](#) to do a join between different elements from different streams. It is important, that a join in our scenario is always a temporal join, i.e. only if the validity of the incoming elements overlap the elements can be merged (if the join condition evaluates to true, of course). See [Join](#) for examples on joining streams.

In a join all elements from the left and from the right input are joined. Another scenario is the enrichment of data. Here each incoming element gets enriched with information from other sources.

Enrichment can be done with:

- The [Enrich operator](#) to enrich with local information.
- The [WSEnrich operator](#) to enrich an element with information from an external web service.
- The [DBEnrich operator](#) to enrich an element with information from a data base.
- The [ContextEnrich operator](#) to enrich an element with information from the context store.