The Complex Event Processing (CEP) is in charge of processing flows of data on the fly without storing the data.

**Initial TRL**
TRL 2

**Final TRL**
TRL 3

**End Users**
Any application that needs to process continuous (infinite) flows of data without storing them.

**Key Features and Benefits**
It runs in a distributed system made out of heterogeneous devices (servers, laptops, Rasberry Pi). The CEP takes into consideration the resources of the device in order to deploy and run the queries and where data is generated to minimize network usage and latency.

**Standards involved in the development of the component**
Not applicable
Complex Event Processing

Implementation in BigDataStack Use Cases
Real-time shipping use case

How can the BigDataStack component contribute to Standardization foundations or initiatives?
Not Expected

Differentiators from competitors in the market
Deployment in a heterogeneous device with very limited resources. The run time takes into consideration those resources and can move queries dynamically to other nodes to improve performance. Dynamic reconfiguration of the queries is performed.