Patterns for Realtime Streaming Analytics

Remark: Work in progess

Based on the DEBS 2015 Tutorial "Tutorial 1: Patterns for Realtime Streaming Analytics" by Srinath Perera, Sriskandarajah Suhothayan we will show how Odysseus can be used for the following streaming analytics pattern.

In the following we will show different processing scenarios. All scenarios are build with Procedural Query Language (PQL) and for many cases we use the Nexmark scenario (Getting Started with Nexmark). You should also have installed the nexmark source (Simple Query Processing).

All queries defined in Odysseus are data pipelines, i.e. data is received from one operator, processed and send to the next operator. By this, complex processing pipelines can be built.