Visualization Environment

BigDataStack Software Component developed by ATC

Adaptable visualisation

Input

- Process Modeller (Embedded),
- Data Toolkit (Embedded),
- REST API from BenchMarking,
- RabbitMQ Service Dimensioning Workbench Triple Monitoring Engine (Embedded) REST API Data cleaning

Output

Web Application

Initial TRL

TRL 0

Final TRL

TRL 5

Essential Information for Users

- User has to be authorized and authenticated towards Adaptable Visualization.
- The component is fully deployed based on Docker container software service

Visualization Environment

Key Features and Benefits

Adaptable Visualization has a dual purpose:
- support the visualization of data analytics for the applications deployed in BigDataStack;
- provide a visual application performance monitoring dashboard of the data operations and the applications both during benchmarking and during their operation.

The dashboard will be able to monitor the application deployed over the infrastructure. The application and infrastructure performance monitoring dashboard will be adaptable, since it will enable to build a custom dashboard that can include charts with the KPIs chosen by the user out of a set of chart catalogue and a set of transformation operator that can aggregate and correlate the received metrics in any manner.

Standards involved in the development of the component

JWT, Docker Compose, Kubernetes

Implementation in BigDataStack Use Cases

All use cases (currently Shipping Management and Connected Consumer)

End Users

Application owners

bigdatastack.eu