

## Aloja

The ALOJA research project is an initiative from the Barcelona Supercomputing Center (BSC) to explore new hardware architectures for Big Data processing. One of the main goals of the project is to produce a systematic study of SW and HW configuration and deployment options; where we are analyzing the cost-effectiveness of the different cloud services (IaaS or PasS) as well as on-premise hardware, both commodity and up-scale.

This repository includes the on-going open source tools of this project that consists of:

- Cluster definition and automated deployment
- Benchmark selection and iteration of configurations
- Metrics collections, results gathering, and importing into a DB
- Web application to manage results
- Advanced data views for aggregate results with filters
- Predictive Analytics (PA) aka Machine Learning tools for modeling and Knowledge Discovery

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