CloudButton

Serverless Data Analytics Platform

VISION

Cloud technologies have democratized access to computing resources

Data scientists still have to struggle with complex cluster management and configuration tools

Idea: “Democratize big data” with serverless technologies

OBJECTIVES

1 Create a High Performance Serverless Compute Engine for Big Data

2 Support for Mutable Shared Data in Serverless Computing

3 Design novel Serverless Cloud Programming Abstractions

WHY SERVERLESS?

No servers to provision or manage

Scales with usage

Pay-per-use

Built-in availability

USE CASES

Genomics

Serverless technologies can overcome scaling limitations of research centres computational resources, improving productivity when processing large datasets.

Metabolomics

Expand the analysis of metabolomics raw data and boost external access and efficient re-use of open data.

Geospatial Data

Conduct geospatial analyses in order to increase productivity, scalability and performance of relevant environmental applications using LiDAR and satellite data.

http://cloudbutton.eu

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