

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 732051

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CloudDBAppliance



European Cloud In-Memory Database Appliance
with Predictable Performance for
Critical Applications



@cdbaproject



CloudDBAppliance Project

Motivation

CourtDistonibute aims at creating an appliance with an ultra-scalable operational database nalytical capabilities leveraging a new ultra-efficient storage engine able to scale up the next

Objectives

CloudDBAcollance will deliver a European appliance with a leading edge hardware platform, the boosted with its ultra-efficient storage engine able to scale up linearly to 1,000+ cores and integrated with ActivePriot, that will provide real-time analytics, as well as an ultra-scalable in-moreony streaming engine, with a set of parallel analytics algorithms for data mining and



Expected Outcomes and Impact

The CloudD#Appliance outcomes will be validated through five real industrial use case scenarios in three yerticals:

· Telle communications for the - Betel Sector

Project Information Project Number: 712051

Project Coordinator: Bull/Atos Technologies Execution Period: 01/12/2016 - 30/11/2019 Budget: 6.4 PIM 12 Partners IZ Countries: FR. ES. UK. IT. GR. PT. DE)

Programme Type: Research and Innovation Action

What makes CloudDBAppliance unique?

New Rullian connection: The new hardware stations being built by Rull able to much 800 CPU cases. 140 TR of main manners along with new MAMs and DRII accelerators technologies in a

LeanScale ultra-scalable Full SQL Full ACID database: A new version of LeanScale to scale up Lean Ecale ultra-efficient Full ACID key-value data stans: Lean Xcale's Kivi ultra-efficient storage

engine redesigned to scale up officiently in more-core NUMA servers such as the new Bullion. support over operational data

Real-Time Analytics: A new set of absorithms that compute analytics in a continuous and/or

Ultra-Scalable data streaming: A new data streaming engine able to scale up very efficiently in

the Euflion and integrated with LeanKcale DS and Rivi to enable real-time correlation and/or Operational data lake: Lear/Kode database will be integrated with Bull's Hadassa/Spark data lake. that is a database providing propertional conshillton and enabling constation with historic data

Partners



Contacts

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