



CoherentPaaS

Coherent and Rich PaaS with a
Common Programming Model

ICT FP7-611068

Table-oriented cloud CEP distributed implementation

D7.4
(Prototype)

March 2016

Document Information

Scheduled delivery	31.03.2016
Actual delivery	31.03.2016
Version	1.0
Responsible Partner	UPM

Dissemination Level:

RE Restricted to a group specified by the consortium (including the Commission)

Nature:

Prototype

Revision History

Date	Editor	Status	Version	Changes
11.01.2016	Valerio Vianello	Draft	0.1	Table of contents
22.01.2016	Valerio Vianello	Draft	0.2	First internal draft
29.01.2016	Marta Patiño	Draft	0.3	Internal draft
05.02.2016	Valerio Vianello	Draft	0.4	Internal draft
12.02.2016	Valerio Vianello	Draft	0.5	Internal draft
19.02.2016	Marta Patiño	Draft	0.6	Internal draft
26.02.2016	Valerio Vianello	Draft	0.7	Version for peer review
18.03.2016	Valerio Vianello	Draft	0.8	Revision incorporating reviewer comments
20.03.2016	Ricardo Jiménez	Draft	0.9	Updated contents
30.3.2016	Marta Patiño	Final	1.0	Final changes

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Acknowledgements

Research partially funded by EC 7th Framework Programme FP7/2007-2013 under grant agreement n° 611068.

More information

Additional information and public deliverables of CoherentPaaS can be found at: <http://coherentpaas.eu>

1. Executive Summary

This is a prototype deliverable that provides details on the distributed implementation of the CoherentPaaS Complex Event Processing engine (CEP). A complete description of the CoherentPaaS architecture can be found in deliverable “D7.1 - Table-oriented cloud CEP design” [1].

This deliverable describes the parallelization technique used to deploy parallel-distributed queries and details the changes implemented in the CEP streaming operators to support the parallelization.

The deliverable reports also about the integration of CoherentPaaS CEP with the holistic transaction management. This integration allows CoherentPaaS CEP to run queries processing both live tuples and stored events assuring read and write consistency.