



# CoherentPaaS

Coherent and Rich PaaS with a  
Common Programming Model

ICT FP7-611068

## Cloud SQL-like data stores extensions implementation v2

D6.3

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

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## Revision History

Date	Editor	Status	Version	Changes
01.04.2015	Nedev	Draft	0.1	Sketching the overall structure
03.06.2015	Nedev	Draft	0.2	Add MonetDB HTM and CQE integration details
19.07.2015	Vilaça	Draft	0.3	Some changes to overall structure according to DOW
21.07.2015	Nedev	Draft	0.4	Adopt the new structure. Extend CQE and installation sections
06.08.2015	Savary	Draft	0.5	Add Quartetfs contribution
07.08.2015	Nedev	Draft	0.6	Remove MonetDB deployment info (moved to D10.2)
07.08.2015	Vilaça	Draft	0.7	Add DQE information.
01.09.2015	Nedev	Draft	0.8	Clarify some MonetDB contribution
15.09.2015	Vilaça	Draft	1.0	Integrate corrections and comments from internal reviewers.
15.01.2016	Vilaça	Draft	1.1	Integrate comments from the review report of period No. 2.
26.02.2016	Vilaça	Final	2.0	Fix several formatting issues.

## Contributors

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## More information

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

## Executive Summary

This document describes the final implementation of the three SQL-like data stores, namely, a column-oriented data store (*MonetDB*), an in-memory analytical database (*ActivePivot*) and an SQL engine (*DQE*), in the context of implementing extensions to integrate the CoherentPaaS ecosystem. Each SQL-like data store will:

- Describe the integration with the holistic transactional management (HTM).
- Describe the support for the common query language via the Common Query Engine, CQE.
- Additional functionalities