

Recovery Management for all Cloud Data Stores D4.4

September, 2015



Document Information

Scheduled delivery 30.09.2015 Actual delivery 30.09.2015

Version 1 Responsible Partner UPM

Dissemination Level:

PU Public

PP Restricted to other programme participants (including the Commission)

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

CO Confidential, only for members of the consortium (including the Commission)

Revision History

Date	Editor	Status	Version	Changes
8.05.2015	Iván	Draft	0.1	Initial draft
	Brondino			
7.07.2015	Marta	Drarft	0.2	New contents
	Patiño			
9.07.2015	Iván	Draft	0.3	New contents
	Brondino			
30.07.2015	Ricardo	Draft	0.4	New contents
	Jiménez			
15.09.2015	Ivan	Draft	0.5	New contents
	Brondino			
28.09.2015	Marta	Final	1	
	Patiño			

Contributors

Marta Patiño-Martínez (UPM), Iván Brondino (UPM), Ricardo Jiménez-Peris (UPM-LeanXcale), Giorgos Saloustros (FORTH), Pavlos Kranas (NTUA), François Savary (QuartetFS), Raquel Pau (Sparsity), Ricardo Vilaça (INESC), Miguel Matos (INESC), Dimitar Nedev (MonetDB)

Internal Reviewers

Valerio Vianello (UPM), Rui Oliveira (INESC)

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 deliverable describes how the holistic transaction manager and the data stores execute the recovery process in CoherentPaaS. The recovery process is executed after a data store or the holistic transaction manager recovers from a failure. Recovery protocols guarantee that after a crash failure, committed transactions are durable and non-committed ones are undone.