

PATC: Persistent Data Model and Management solutions for BigData applications

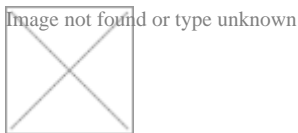
Objectives

In this course, we will introduce an approach that allows users to read and write volatile and persistent data using the same interface: the regular Python interface to access variables in memory. We also present two different solutions that implement this interface, and that can be used as the persistent backend for the data: DataClay and Hecuba. Both solutions are integrated with the COMPSs runtimes and the PyCOMPSs programming model through a well-defined interface that, for example, can enhance data locality.

Requirements

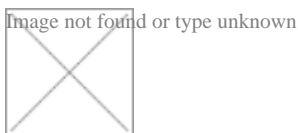
Pre-requisites (para Hecuba): Basics on Python programming language, basic knowledge on NoSQL/Key-value databases, Advisable to have notions about PyCOMPSs/COMPSs

Academic Staff



Rosa Badia, Workflows and Distributed Computing Group Manager, Computer Sciences - Workflows and Distributed Computing Department

Materials

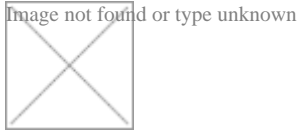


INTELLECTUAL PROPERTY RIGHTS NOTICE:

- The User may only download, make and retain a copy of the materials for his/her use for non-commercial and research purposes.

- The User may not commercially use the material, unless has been granted prior written consent by the Licensor to do so; and cannot remove, obscure or modify copyright notices, text acknowledging or other means of identification or disclaimers as they appear.
- For further details, please contact BSC?CNS patc@bsc.es

Further information



**All PATC Courses at BSC do not charge fees.
PLEASE BRING YOUR OWN LAPTOP.**

Recommended Accomodation: Please follow [the link](#) for map of some local hotels.

CONTACT US for further details about MSc, PhD, Post Doc studies, exchanges and collaboration in education and training with BSC.

For further details about Postgraduate Studies in UPC - Barcelona School of Informatics (FiB), visit the [website](#).

Sponsors: BSC and PRACE 4IP project are funding the PATC @ BSC training events.
If you want to learn more about PRACE Project, visit the [website](#).

Barcelona Supercomputing Center - Centro Nacional de Supercomputación

Source URL (retrieved on 24 abr 2024 - 18:53): <https://www.bsc.es/ca/education/training/patc-courses/patc-persistent-data-model-and-management-solutions-bigdata-applications>