

R Computing services as SaaS in the Cloud

Wednesday, 11 November 2015 14:10 (20 minutes)

R is a programming language and software environment for statistical computing and graphics that is widely used in different context like environmental research thanks to different geodata packages. Within the EGI-Lifewatch Competence Centre context, one of the tasks is to provide a final user oriented application based on R so different solutions to achieve this goal are being explored. One of these solutions is layer based architecture with three layers:

- Bottom layer: R instances that can be installed in cloud (allowing load balance) or HPC (we have a testbed based in a PowerPC cluster).
- Medium layer: R server that interacts with an R client.
- Top Layer: Web based solution with certificate authentication. The user interface can be deployed using tools like iPython notebook or Rstudio web version.

This presentation will analyze how the different proposed solutions can fit or not to the final user requirements and what is the satisfaction from user point of view.

Primary author: AGUILAR, Fernando (CSIC)

Co-authors: Mrs PALACIO, Aida (IFCA); MARCO DE LUCAS, Jesus (CSIC)

Presenter: AGUILAR, Fernando (CSIC)

Session Classification: Exploiting the EGI Federated clouds - Paas & SaaS workshop