Hybrid SORS: Linked Traversal Querying over Decentralized environments

Objectives

Abstract: Linked Traversal Query Processing is a paradigm that introduces the idea of discovering data on-the-fly by following hyperlinks over a set of documents published on the web. A single query can result in a vast answer set and this represents a significant challenge for any data querying approach. In our research, we propose using a strategy based on type-index catalogues to determine the relevance of the sources over a decentralized data-vault environment, also known as the Solid Protocol.

Short bio: Victor-Alejandro Ortiz received his BSc. degree in Informatics from the National Autonomous University of Mexico (UNAM) and his MSc. degree in Big Data and HPC from the University of Liverpool, UK. He is pursuing a PhD in Computer Architecture at the Universitat Politècnica de Catalunya (UPC) and the Barcelona Supercomputing Center (BSC) in Spain. Alejandro was entrusted with the BSC Mobility Grant during the last quarter of the previous year to conduct a research stay at the IDLab-IMEC Laboratory of the University of Ghent, where he researched Linked Data querying.

Speakers

Speaker: Victor Alejandro Ortiz Santiago, Smart Cities First Stage Researcher, CASE
Host

: Maria Cristina Marinescu, Smart Cities Established Researcher, CASE

Barcelona Supercomputing Center - Centro Nacional de Supercomputación

---