

LOD2

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- ▶ Software editor of search technologies to build Search based Applications (SBA)
- ▶ Brand of Dassault Systèmes, located in Paris
- ▶ Large portfolio of customers: government and administrations, industry, telecom, media, scientific bodies...
- ▶ Software platform for knowledge discovery: CloudView
- ▶ R&D activities: open data, semantics, analytics, big data, multimedia.

LOD2 Overview



- ▶ EU funded project (IP)
- ▶ Start: September 2010
- ▶ Duration: 4 years
- ▶ Website: <http://lod2.eu>
- ▶ Goal: Release a stack of components to manage the data lifecycle using linked open data technologies.
- ▶ Consortium: University of Leipzig (Leader), TenForce, EXALEAD, WoltersKluwer, OpenLink Software, SWCG, Zemanta, FUB, DERI...

LOD2 workplan



- ▶ WP1: Requirements, System design and LOD2 stack prototype
- ▶ WP2: Storing and querying very large knowledge bases
- ▶ WP3: knowledge base creation, enrichment and repair
- ▶ WP4: Reuse, interlinking and knowledge fusion
- ▶ WP5: Linked data visualization, browsing and authoring
- ▶ WP6: Interfaces, component integration and LOD2 stack
- ▶ WP7: LOD2 for media and publishing
- ▶ WP8: LOD2 for enterprise data web
- ▶ WP9: LOD2 for citizen: GovData.eu
- ▶ WP10: Training, dissemination, community building and fertilization
- ▶ WP11: exploitation and standardization
- ▶ WP12: project management

USE CASES

LOD2 outcomes



- ▶ LOD2 STACK: <http://stack.lod2.eu/>
- ▶ Use case demonstrators:
 - ▶ ActiveHiring: <http://activehiring.labs.exalead.com>
 - ▶ EU gouvernemental datasets portal: <http://datagov.eu>
- ▶ PUBLINK: consultancy entity for LOD2 stack

Data lifecycle



LOD2 Stack



- ▶ Bundle of software components released as a Debian package or a VM with a preinstalled stack on Ubuntu OS.
- ▶ Eco system of open source licence per component
- ▶ 1st release: 2011
 - ▶ Components: SILK, DL-Learner, ORE, Virtuoso Universal Server, Virtuoso Sponger, Dbpedia spotlight, PoolParty Extractor, D2R Server, OntoWiki, PoolParty
- ▶ Latest release September 2012
 - ▶ Components: release 1 + LIMES, LATC Silk, SIEVE, Zemanta LODRefine, SIG.MA, Spatial Semantic Browser, Apache Stanbol, Sparqled, RDFAuthor

