RDF For the Data Driven Age

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Semdata is Getting There

- Most RDBMS Advances Apply: Column Stores, Vectored Execution, Elastic Cluster Support - We are doing it.
- Data Warehousing in RDF Is Becoming an Option
- Adequate Benchmarks and TPC-Style Audit Process for Result Comparability to Drive Continuous Advance.
- SIB, finally a benchmark that will show RDF to advantage
- OpenLink Agenda: Bring the Best of DB Science to RDF, Make RDF Come of Age
Inference

- Much More Diverse Requirements Than With DB Query Answering
- So far, large scale with tiny ontologies or small data with complex ontologies
- Is this an answer in search of a question?
- OpenLink Position - Once the requirement and value are clear, we build it into the DB engine
Data Integration

- Data is everywhere but where are the people who understand it?
- Technology needs to be driven by use cases and benchmarks
- Universities need to create the data geek profile
- Semanticist, learn DB! Untold practical value will result if users understand a little of first principles
There is data and base technology, so...
Let's see the business questions LOD could answer
Let's keep lowering time to answer for these questions
A virtuous cycle could result
Directions and Challenges

- Focus R&D to high payoff questions
- Issue the right challenges: 1st Planet Data challenge on using LOD, why not make next one about the enterprise?
- Make the use cases clear and compelling and the techies will come.
- LOD2: CWI and OpenLink, a roadmap of smarter and more adaptive DB tech for RDF
Thank You!

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