Oracle Spatial 11g use in Cisco Social Semantic Software

Keith Griffin
Cisco Quad, Enterprise Collaboration Platform

Oracle OpenWorld, San Francisco
September 20th, 2010
What Is Social Software?

- Develop & manage personal online profiles
- Easily create, publish, share, and consume content and expertise
- Dynamically form and participate in virtual communities
- Subscribe to trusted content sources or people

- Enterprise security & policy mgmt
- Business system integration
- Rich communications
- Contextual and Semantic Search
The Power of Semantic Connections

Delivering relevant, contextual content based on relationships, profile & activity
Vision of Semantically Linked Data

The Network of Collaborative Knowledge

A web of data that can be intelligently processed by machines delivering an environment that:

- Intelligent
- Relevant
- Contextual
- Interconnected

- Solves Problems
- Answers Questions
- Easily Searchable
- Let Information follow you

“The next generation of information workers will expect a highly visual, connected, contextual information workplace they can take anywhere.”
Cisco Knowledge Network – Extending the QUAD Social Collaboration Graph
Why Oracle Spatial 11g?

Requirement: Persistent data store for a collaboration graph containing multiple billion triples.

- Selected after a comprehensive engineering analysis
  - As we are building a product our requirements were different to the typical IT solution deployment.

- Multiple packaged offerings
  - We chose Oracle Spatial Embedded

- Enterprise Grade.
  - Redundancy, Resiliency, Failover, Scalability etc...

- Demonstrated strong partnership and continues to do so.
  - We continue to seek performance improvements by working closely together.

- Oracle Database 11g Enterprise Edition is also used separately for the main social content database