Some Requirements for RDF and Semantic Web Applications

Ora Lassila
Research Fellow, Nokia Research Center
Chief Scientist, Nokia Venture Partners

WWW 2002 Panel on RDF Applications for the Real World

Characterizing the Semantic Web

Ontological approaches (RDF, DAML+OIL, etc.)

"RDF Facism"

"Weak" Semantic Web
(uniform data models, useful manipulation)

(unlikely)

you are here

Syntactic approaches ("plain" XML)

"Strong" Semantic Web
(logic & reasoning)
Reasoning and RDF

• Simple inferential component is part of the RDF M+S
  - if reading the spec didn't convey this, please read the new “RDF Model Theory”
• Largely this comes down to polymorphism of the type system
• This support must be available in RDF toolkits
  - leaving it to applications programmers is a Bad Thing
  - (e.g., Wilbur experiments)

Business Models

• Do they exist?
• Advertising emerged as a dominant business model for the “old” web
• When machines do more work for us, what is the role of advertising?
• Viable business models are crucial to the deployment of the Semantic Web
  - (come talk to me if you have ideas…)