OWL-S Roadmap

DAML Web Services Coalition

Presented by:
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http://www.daml.org/services/
Incremental Releases

• 1.1) Dec. 15
  – IOPEs / bundling; Dataflow; (WSDL) faults
• 1.2) Feb. 15
  – Conditions & rules
  – Surface syntax
• x.y) Apr. 15
  – Multiparty interactions; process visibility
  – Mixed process vs. separate
  – Cross role interaction style
  – “Feature complete”
Near-term topics / proposals

• IOPEs
  – Bundling; conditional inputs
  – Using variables; referring

• Dataflow representations
  – Choices embody a fundamental question

• Conditions & rules

• Surface syntax

• Multiparty interactions; process visibility

• Mixed-process vs. separate

• Cross-role interaction style
  – Synchronization constructs; dataflow+grounding; explicit messaging
Other Near-term Issues

• Failure / recovery / monitoring
• WSDL 1.2
• Profiles ↔ Processes
• Security
Medium-term Issues

- Standardization efforts
- Grid / OGSA tie-in
- Execution traces
- Process control (lifecycle) / monitoring
- Formal semantics
1.0 Beta Release

- Under construction
  - Core ontology files
  - Not all documentation is complete
- OWL-final
- Profile
- Process Model
- Grounding

www.daml.org/services/owl-s/1.0
Summary

• Language status (40 min.)
  – OWL-S 1.0 (David Martin)
  – Security extensions (Grit Denker)

• Supporting products (Massimo Paolucci) (30)
  – Tools, demos, use cases

• Outreach & uptake (20)
  – Standardization efforts & strategies (Katia Sycara)
  – Users, workshops, books, papers (Terry Payne)

--- Break ---

• Open issues & challenges (Mark Burstein) (40)
• Roadmap for language evolution (David) (20)