

MONDAY Feb. 26, 2001

Birds Of A Feather (BOF) XML RULE Markup Language

RuleML is an effort to develop an industry standard for exchange of rules in XML. URL: <http://www.dfki.de/ruleml>

As part of the W3C face-to-face meeting, there will be a RuleML BOF held in two sessions:

- Monday Feb. 26, 2001 6-8pm (ending time is approximate) in **Room Skyline B**
- Wednesday Feb. 28, 2001 lunch (table to be announced --- see BOFs bulletin board)

Organizers: Harold Boley, DFki; Benjamin Grosf, MIT Sloan; Said Tabet, Nisus Inc.

What is RuleML:

1. an XML syntax for rule knowledge representation (KR)
 - inter-operable among major commercial rule systems
2. actually a family of rule KR expressive classes:
 - a generalization hierarchy (lattice)
 - family of DTD's, modular (cf. XHTML)
 - kernel: Horn logic programs; with extensions:
 - negation, priorities, procedural attachments, ...
3. Webize rule KR
 - URIs for logical vocabulary and knowledge subsets
 - labels for rules/rulebases, import/export
 - headers: meta-data describes doc's expressive class
 - procedural attachments using Web protocols; queries or actions via CGI/servlets/SOAP/...
4. practical mechanics of Webizing/interop. KR's
 - build on existing W3C standards: namespaces, ...
 - share mechanisms with RDF/RDFS, DAML+OIL
 - use ontologies for rules, and rules for ontologies
 - o ontology tags in: rulebase, predicate symbol, ...

Further directions:

- move to XML Schema based rather than DTD based
- additional XML syntaxes: RDF; surface/"style-sheeted"
- more KR's: KIF/classical, Notation 3, Bayesian,
 - fuzzy, rewriting, temporal, ...
- provide Rule mechanism to emerging W3C standards:
 - o Semantic Web / RDF, P3P, ...

Please come, learn about it, and contribute to the discussion!!!!

