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 Grosol, 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
   - URLs 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
   - 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!!!!