Business Rule Standards -- Interoperability and Portability
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A Business Scenario
Rules and the Service Oriented Architecture

- Calling Application
- Shell (represents rules as a service using application-specific service interface)
- Rule Engine

application – specific Java or WSDL interface
selectors
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OMG Layers and Rules

Computation Independent Model (CIM)

- Business model

Platform Independent Model (PIM)

- Technology independent model

Platform Specific Model (PSM)

- Technology specific model

Mapping

“Business Semantics of Business Rules” RFP

- Business Vocabulary
- Business Rules

“Production Rules” RFP

- Forward chaining
- Backward chaining

Vendor-Specific Rule Language
Rule Categories

Inference Rules

Prolog
Forward / Backward Chaining

Resource selection, optimization, diagnosis, planning problems

Simple Business Rules

Most business uses: decision in flows, form validation, marketing, routing, claims auto-adjudication, exception handling, business process management (BPM)

Event Correlation Rules

if-then rules, decision trees, decision tables

IT problem recognition & business activity monitoring (BAM)