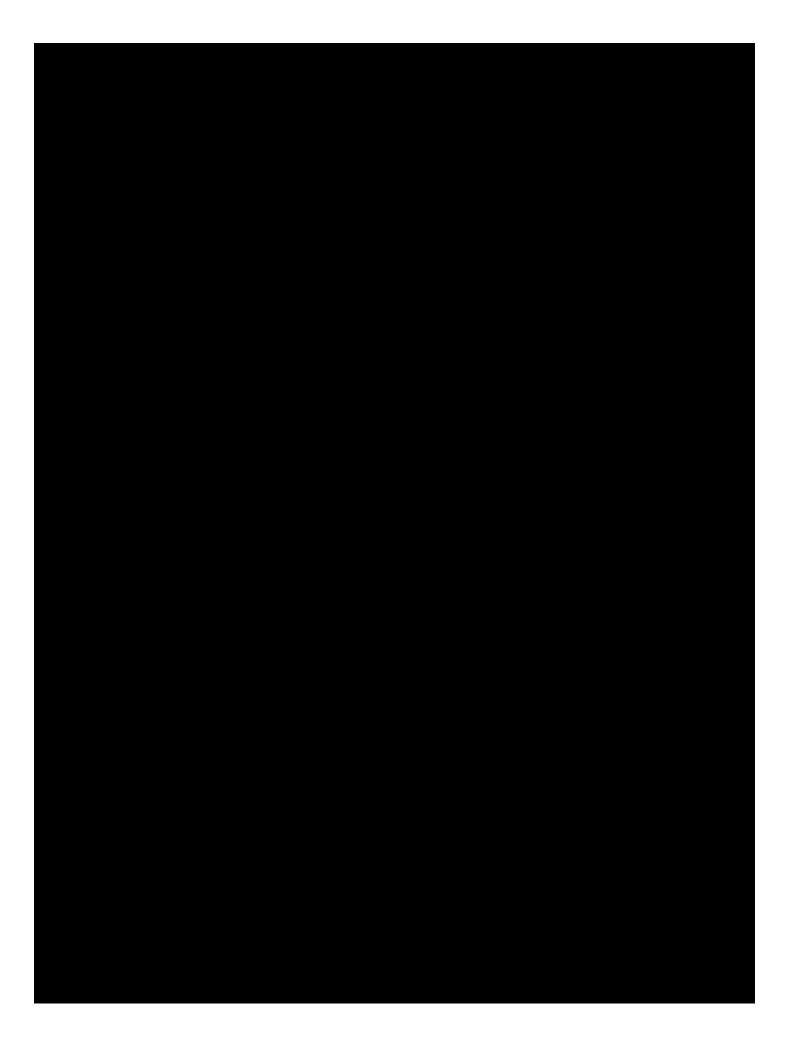
Intelligence & Reasoning for the Web of Objects



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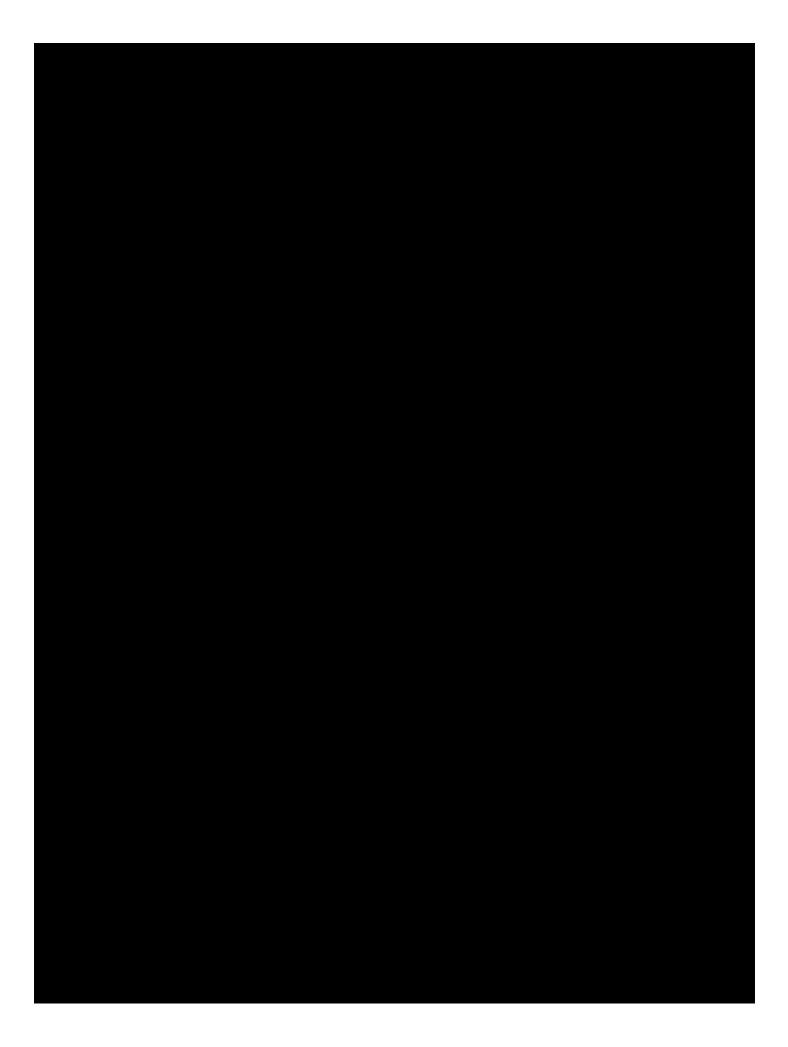


Need Logical Reasoning Models? Inference Rules

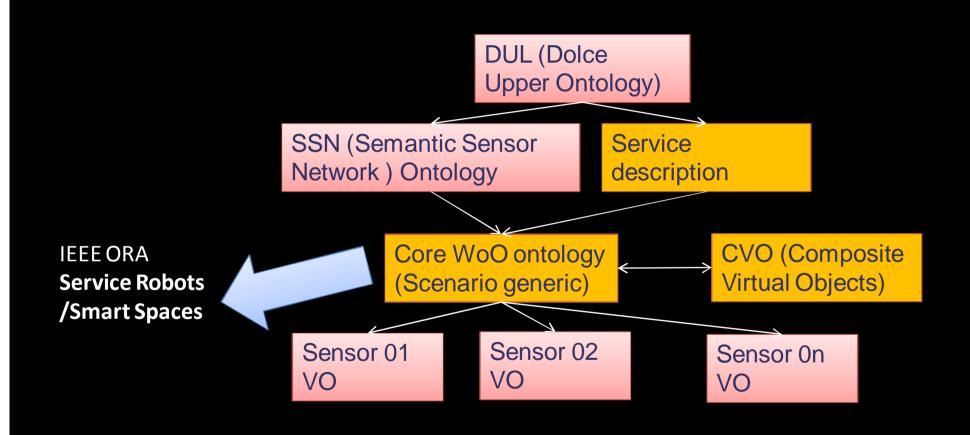
- Triggered by new assertions in the KB
- Assert new relations in the KB
- Action rules
 - Reactive (to events) or Triggered (by assertions in the KB)
 - Assert new relations in the KB
 - Determine and send commands for actions
- Rule Scheme (Production Rules)
 - IF Observation, Condition, Events
 - If Event, Fluent then Trigger
 - Then Trigger Event, Change Fluent State, Do Some Action or Create New Information

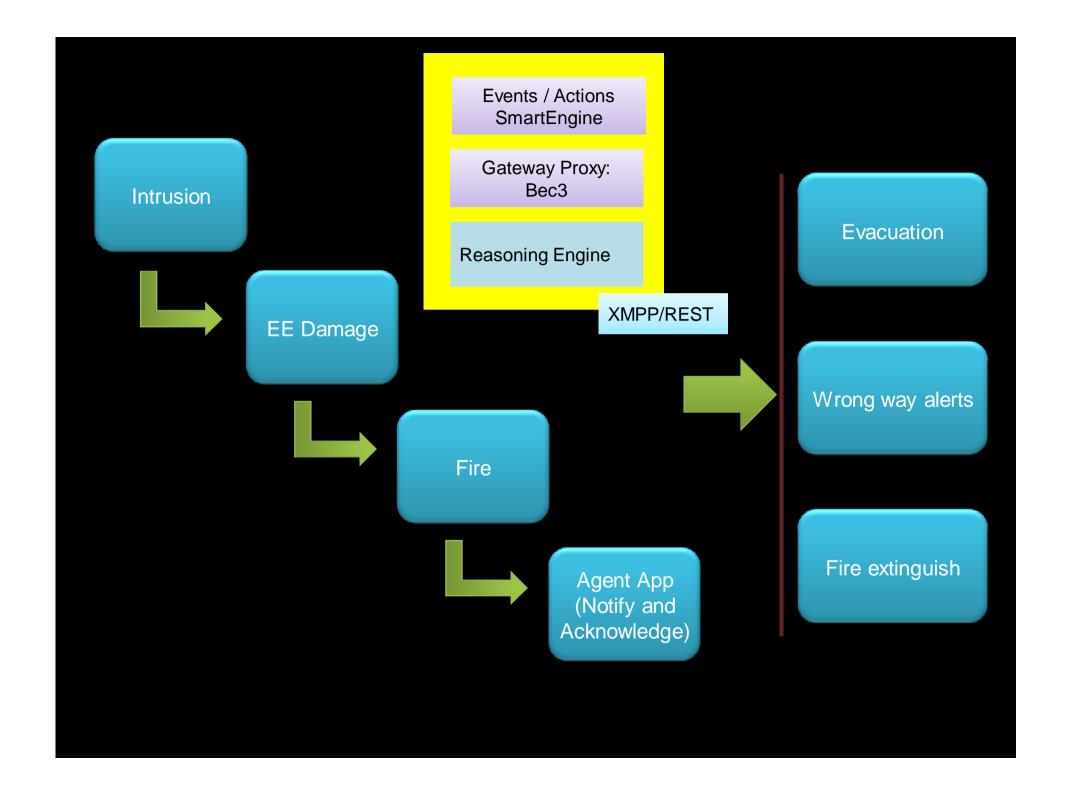
Human Machine Events Reasoning For Reactive Reasoning Interactions Services For monitoring **Orchestration** Reasoning **Classification Algorithms Optimization Algorithms Data Fusion Algorithms Agents Web of Objects Agents GET** DO PUB/SUB Selection Discovery Web of Object Stack Negotiation JMS **XMPP DPWS REST** ROS Encoders Registration

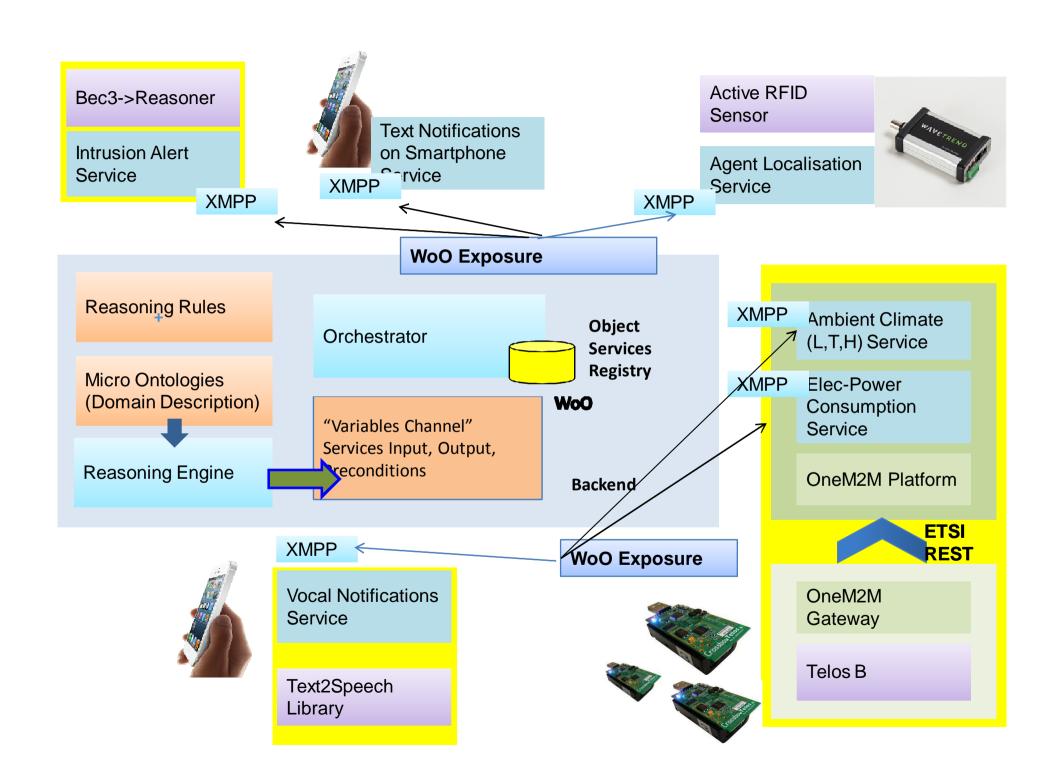
Log



WoO Ontology Modeling







Semantic Monitoring

