



# SILK is here!



## Semantic Web Rules with Defeasibility, Higher-Order, and Scalability

SILK is a ...

- Powerful rule knowledge representation (KR) language and system, with reasoner, UI, and interchange. It includes the RIF-SILK dialect.
- Ambitious R&D effort led by Vulcan Inc., to push the state of the art and address fundamental requirements for scaling Semantic Web
- Expressive extension of W3C RIF-BLD, SPARQL, OWL-RL – and SQL
  - Defaults and robust conflict handling – *cope with knowledge quality and context*
  - Higher-order and flexible meta-reasoning – *elevate meta-data to meta-knowledge*
  - Actions, events, production rules, and process models – *activate knowledge*
- New KR option for semantic web, business rules, & rule-based process mgmt.
- Learn More...
  - **SILK/Rules Tutorial:** *Web Rules: Fundamentals, Standards and Applications*
    - Monday Nov. 8 14:00-18:00
  - **SILK Demo/Poster:** *A SILK Graphical UI for Defeasible Reasoning, with a Biology Causal Process Example*
    - Tuesday Nov. 9 19:00-21:00
  - Talk to Benjamin Grosf or Mike Dean, SILK presenters at the conference
  - Explore <http://silk.semwebcentral.org>



**Raytheon**  
BBN Technologies

