

KnowLang is a formal specification language providing a comprehensive specification model that addresses the problem of knowledge representation for self-adaptive systems. The complexity of the problem necessitates the use of a specification model where knowledge can be presented at different levels of abstraction and grouped by following both hierarchical and functional patterns. The language imposes a multi-tier specification model where a knowledge base (KB) composed of layers of ontologies, operators, and inference primitives is specified.

