Visualizing a Temporally Enhanced Ontology

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Abstract: Most ontology development methodologies and tools for ontology management deal with ontology snapshots, i.e. they model and manage only the most recent version of ontologies, which is inadequate for contexts where the history of the ontology is of interest, such as historical archives. This work presents a modeling for entity and relationship timelines in the Protege tool, complemented with a visualization plug-in, which enables users to examine entity evolution along the timeline.