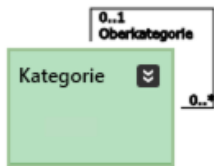




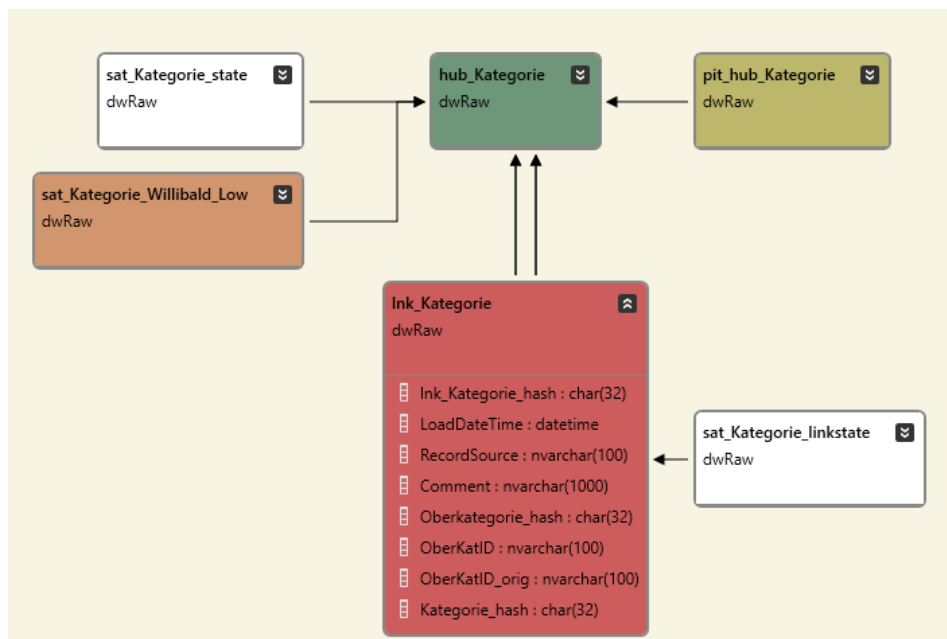
Hierarchical Links

A hierarchical link is based on a self-reference in the conceptual model.



Class with self-reference

The *Kategorie* class points to itself using the role name *Oberkategorie*, which results in a generated link table containing the hierarchical reference. The role name serves as the base for the parent reference column. An automatically generated state tracking satellite captures parent changes, ensuring single cardinality in the view layer, as modeled. Procedures are generated to populate these tables, keeping the model layer consistent with the conceptual model, showing only one active parent at a time.



Generated structure

The class view *c_Kategorie*, that publishes the structure above, will at any moment only show maximally one *Oberkategorie* in the view layer, although the underlying link table may contain several parents that have been active over time. This principle applies to the entire model and all associations.