

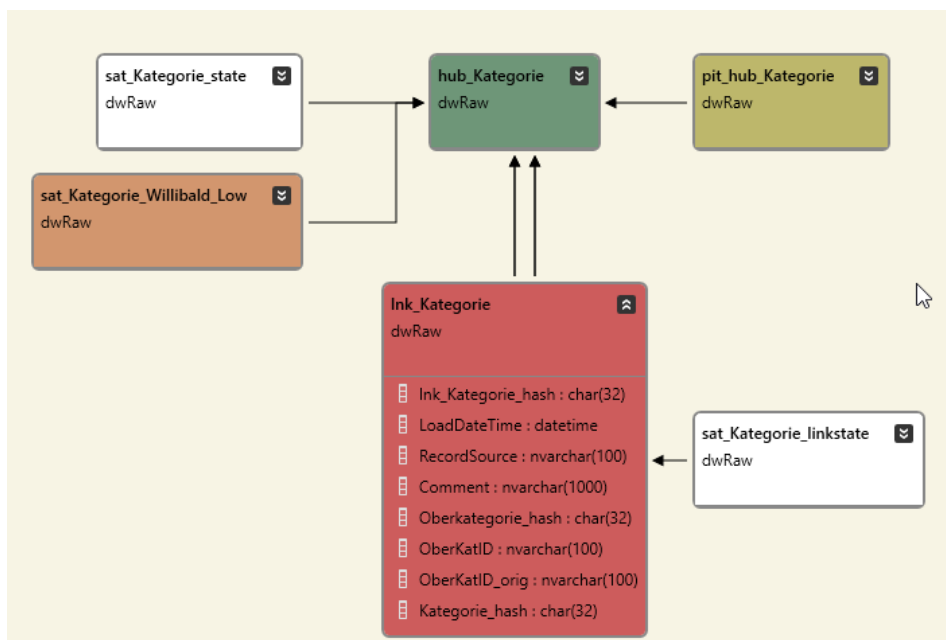


Deletion of Business keys

If a class is marked for State tracking, the load process detects the absence of previously loaded hash values and uses a state tracking satellite to mark them as Deleted (or Recreated, if they reappear). This can always be done during full loads, but also during delta loads, if certain requirements are met.

Deletion detection is possible, for example, if we know that we will only get data from a certain period (say, the last two months) but we will get all of the data from that period, or where the presence of a parent record always necessitates that all its child records are present.

In practice, a SQL select statement (that returns all the hashes that should *not* be touched) can be provided as parameter for a class, and is then applied as part of the detection algorithm when rows are being tagged as deleted or recreated.



The sat_Kategorie_state satellite tracks the entire class, sat_Kategorie_linkstate tracks the relationships

The collected state information can be ignored or used in the view layer to either keep displaying or hiding the data that has been marked as deleted by just setting the appropriate Soft delete parameter value for the class.