Handling with Synapse

Tuesday, 24 January 2023 6:55 PM

When voilues in some columns on your database may change, there are methods to handle this:

Type 15CD:

- Overwite original data.

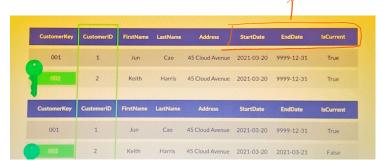
- the old values are not soured, so the database only shows the latest values.

Type 25CD

> to keep atrack of the different versions of the data,

-> You store a new copy of a record whenever one of its fields changes, you have to add some extra columns.

Its issue is when you replicate, you need to replicate the key value, to solve this you need to come up with a new one called a surrogate key, that is unique for each version. Additional Columns



Type 3 SCD

- Instead of creating an entirely new record when a field changes, you have 2 wlumps for a field: the old version and the current version.

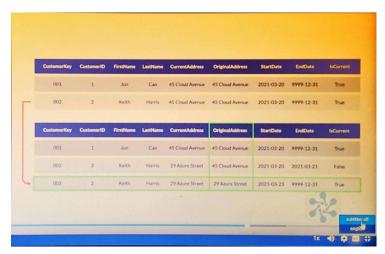
a you can either store the original value or the previous value in the old column.

- you'll also need a wlumn that says when the value was last modified

-) One problem -> you only have 2 versions of afreld's value in the database and another one is that it's only suitable for 1 or 2 fields, you wouldn't end up with a huge number of columns

Type 6 scd

Combination of type 2 and type 3. It adals a new record whenever the field changes and it also has an extra column to keep track of the previous version of the field.



Others: Type 4 scd