| SCD Type | Dimension Table Action | Impact on Fact Analysis |
|---|---|---|
| Type 0 | No change to attribute value | Facts associated with attribute's original value |
| Type 1 | Overwrite attribute value | Facts associated with attribute's current value |
| Type 2 | Add new dimension row for profile with new attribute value | Facts associated with attribute value in effect when fact occurred |
| Type 3 | Add new column to preserve attribute's current and prior values | Facts associated with both current and prior attribute alternative values |
| Type 4 | Add mini-dimension table containing rapidly changing attributes | Facts associated with rapidly changing attributes in effect when fact occurred |
| Type 5 | Add type 4 mini-dimension, along with overwritten type 1 mini-dimension key in base dimension | Facts associated with rapidly changing attributes in effect when fact occurred, plus current rapidly changing attribute values |
| Type 6 | Add type 1 overwritten attributes to type 2 dimension row, and overwrite all prior dimension rows | Facts associated with attribute value in effect when fact occurred, plus current values |
| Type 7 | Add type 2 dimension row with new attribute value, plus view limited to current rows and/or attribute values | Facts associated with attribute value in effect when fact occurred, plus current values |