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scd type 1 and type 2 configuration in DBT



In data warehousing, slowly changing dimensions (SCDs) are used to handle changes in dimensional data over time. In dbt (data build tool), managing SCDs involves creating models that handle these changes effectively. dbt doesn't have built-in configurations specifically for SCD types 1 and 2, but you can implement them through your models and transformations.

Here's a basic overview of how to implement SCD Type 1 and Type 2 in dbt:

## SCD Type 1

**SCD Type 1** involves overwriting old data with new data. This is suitable for dimensions where you only need to keep the most current version of the data and don't need to track historical changes.

### Steps to Implement SCD Type 1 in dbt:

1. **Create a base model** that selects the current state of the data from your source table.
2. **Create an incremental model** that overwrites the existing data in your target table.

### Example dbt Model for SCD Type 1:

sql

Copy code

```
-- models/scd_type_1_model.sql
with source_data as (
  select
    id,
```



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```
from {{ source('mv source', 'mv table') }}
```

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