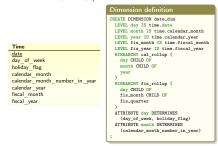
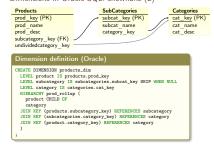
Dimensions in Oracle SQL: star

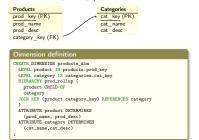


Dimensions in Oracle SQL: snowflake (2)



Dimensions in Oracle SQL: snowflake

Products



Dimensions in Oracle SQL

```
Modifying dimensions (Oracle)
ALTER DIMENSION products_dim DROP HIERARCHY prod_rollup;
ALTER DIMENSION products_dim ADD_LEVEL brand IS categories.brand;
ALTER DIMENSION products_dim COMPILE; -- to re-validate
DROP DIMENSION products_dim;
```

Dimensions in Oracle SQL: usage

Dimensions are viewed in Oracle as constraints, used for query rewriting.

Validating dimensions

```
Validating dimensions
BEDIN
DBMS_DIMENSION.VALIDATE_DIMENSION(
dimension >> 'products_dim',
incremental >> false,
check_mulls >> true,
statement_id<>> validation run 1');
EMD;
//
```

- incremental=true: validate new rows only
- check_nulls=true: NULLS occur only in columns with level 'SKIP WHEN NULL'
- statement_id: used to distinguish the rows created in table dimension_exceptions

Dimensions in Oracle SQL: usage

Viewing dimension information

EXECUTE DBMS_DIMENSION.DESCRIBE_DIMENSION('products_dim');