

DBMS_DIMENSION

DBMS_DIMENSION enables you to verify dimension relationships and provides an alternative to the Enterprise Manager Dimension Wizard for displaying a dimension definition.



See Also:

Oracle Database Data Warehousing Guide for detailed conceptual and usage information about the DBMS_DIMENSION package

This chapter contains the following topics:

- [Security Model](#)
- [Summary of DBMS_DIMENSION Subprograms](#)

DBMS_DIMENSION Security Model

Security on this package can be controlled by granting EXECUTE to selected users or roles.

A user can validate or describe all the dimensions in his own schema. To validate or describe a dimension in another schema, you must have either an object privilege on the dimension or one of the following system privileges: CREATE ANY DIMENSION, ALTER ANY DIMENSION, and DROP ANY DIMENSION.

Summary of DBMS_DIMENSION Subprograms

This table lists the DBMS_DIMENSION subprograms and briefly describes them.

Table 79-1 DBMS_DIMENSION Package Subprograms

Subprogram	Description
DESCRIBE_DIMENSION Procedure	Prints out the definition of the input dimension, including dimension owner and name, levels, hierarchies, and attributes
VALIDATE_DIMENSION Procedure	Verifies that the relationships specified in a dimension are correct

DESCRIBE_DIMENSION Procedure

This procedure displays the definition of the dimension, including dimension name, levels, hierarchies, and attributes. It displays the output using the DBMS_OUTPUT package.

Syntax

```
DBMS_DIMENSION.DESCRIBE_DIMENSION (
    dimension IN VARCHAR2);
```

Parameters

Table 79-2 DESCRIBE_DIMENSION Procedure Parameter

Parameter	Description
dimension	The owner and name of the dimension in the format of owner.name.

VALIDATE_DIMENSION Procedure

This procedure verifies that the relationships specified in a dimension are valid. The rowid for any row that is found to be invalid will be stored in the table `DIMENSION_EXCEPTIONS` in the user's schema.

Syntax

```
DBMS_DIMENSION.VALIDATE_DIMENSION (
    dimension          IN VARCHAR2,
    incremental        IN BOOLEAN := TRUE,
    check_nulls        IN BOOLEAN := FALSE,
    statement_id       IN VARCHAR2 := NULL );
```

Parameters

Table 79-3 VALIDATE_DIMENSION Procedure Parameters

Parameter	Description
dimension	The owner and name of the dimension in the format of owner.name.
incremental	If TRUE, check only the new rows for tables of this dimension. If FALSE, check all the rows.
check_nulls	If TRUE, then all level columns are verified to be non-null. If FALSE, this check is omitted. Specify FALSE when non-NULLness is guaranteed by other means, such as NOT NULL constraints.
statement_id	A client-supplied unique identifier to associate output rows with specific invocations of the procedure.