

DBMS_EDITIONS_UTILITIES

The `DBMS_EDITIONS_UTILITIES` package provides helper functions for edition-related operations.

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DBMS_EDITIONS_UTILITIES Overview

The `DBMS_EDITIONS_UTILITIES` package implements an interface which provides helper functions for edition-related operations.

DBMS_EDITIONS_UTILITIES Security Model

This package is owned by `SYS` with `execute` access granted to `PUBLIC`. It runs with invoker's rights, that is, with the security profile of the caller.

DBMS_EDITIONS_UTILITIES Exceptions

The table in this topic lists exception messages created by `DBMS_EDITIONS_UTILITIES`.

Table 83-1 DBMS_EDITIONS_UTILITIES Error Messages

Error	Description
ORA-38817	Insufficient privileges
ORA-942	Missing table

Summary of DBMS_EDITIONS_UTILITIES Subprograms

This table lists and describes the `DBMS_EDITIONS_UTILITIES` package subprograms.

Table 83-2 DBMS_EDITIONS_UTILITIES Package Subprograms

Subprogram	Description
CLEAN_UNUSABLE_EDITIONS Procedure	Drops covered objects in unusable editions, and drops empty unusable editions if possible.

Table 83-2 (Cont.) DBMS_EDITIONS_UTILITIES Package Subprograms

Subprogram	Description
SET_EDITIONING_VIEWS_READ_ONLY Procedure	Given the schema name and table name, this procedure sets the corresponding editioning views in all editions to READ ONLY or READ/WRITE
SET_NULL_COLUMN_VALUES_TO_EXPR Procedure	For use only during an edition-based redefinition (EBR) exercise

CLEAN_UNUSABLE_EDITIONS Procedure

Drops all covered objects in any unusable editions and drops empty unusable editions.

The `CLEAN_UNUSABLE_EDITIONS` procedure executes immediately and in its entirety.

Syntax

```
DBMS_EDITIONS_UTILITIES.CLEAN_UNUSABLE_EDITIONS ( );
```

Usage Notes

The `COMPATIBLE` parameter must be set to 12.2.0 or higher for this procedure to execute.



See Also:

- *Oracle Database SQL Language Reference* for information about `DROP EDITION`
- *Oracle Database Development Guide* for more information about using edition-based redefinition

SET_EDITIONING_VIEWS_READ_ONLY Procedure

Given the schema name and table name, this procedure sets the corresponding editioning views in all editions to READ ONLY or READ/WRITE.

Syntax

```
DBMS_EDITIONS_UTILITIES.SET_EDITIONING_VIEWS_READ_ONLY (
    table_name IN VARCHAR2,
    owner       IN VARCHAR2 DEFAULT NULL,
    read_only   IN BOOLEAN   DEFAULT TRUE);
```

Parameters

Table 83-3 SET_EDITIONING_VIEWS_READ_ONLY Procedure Parameters

Parameter	Description
<code>table_name</code>	Base table of the editioning views
<code>owner</code>	Base table schema. The default (or <code>NULL</code>) is the current schema.

Table 83-3 (Cont.) SET_EDITIONING_VIEWS_READ_ONLY Procedure Parameters

Parameter	Description
read_only	TRUE to set the views to read-only; FALSE (or NULL) sets the views to READ/WRITE. Default is TRUE.

Usage Notes

The user must have the following privileges:

- Owner of the table, or have the ALTER ANY TABLE system privileges
- USE object privilege on all the editions for which the views are defined

SET_NULL_COLUMN_VALUES_TO_EXPR Procedure

This procedure replaces NULL values in a replacement column with the value of an expression.

The expression evaluation cost is deferred to future updates and queries. The procedure is intended for use only during an edition-based redefinition (EBR) exercise.

See Also:

- *Oracle Database Development Guide* regarding transforming pre- to post-upgrade representation

Syntax

```
DBMS_EDITIONS_UTILITIES.SET_NULL_COLUMN_VALUES_TO_EXPR;
    table_name    IN  VARCHAR2,
    column_name   IN  VARCHAR2,
    expression    IN  VARCHAR2);
```

Parameters

Table 83-4 SET_NULL_COLUMN_VALUES_TO_EXPR Procedure Parameters

Parameter	Description
table_name	A potentially schema-qualified table name
column_name	Name of the column to be updated
expression	An expression composed of columns in the same table, constants, and SQL functions