


# UTL\_LMS

UTL\_LMS retrieves and formats error messages in different languages.

This chapter contains the following topics:

- [Security Model](#)
- [Summary of UTL\\_LMS Subprograms](#)

 **See Also:**  
*Oracle Database Globalization Support Guide*

## UTL\_LMS Security Model

This package must be created as the user SYS.

## Summary of UTL\_LMS Subprograms

This table lists the UTL\_LMS subprograms and briefly describes them.

**Table 294-1 UTL\_LMS Package Subprograms**

Function	Description
<a href="#">FORMAT_MESSAGE Function</a>	Formats a retrieved error message
<a href="#">GET_MESSAGE Function</a>	Retrieves an error message based on error number, product, facility, language, and message specified

## FORMAT\_MESSAGE Function

This function formats a message retrieved by the GET\_MESSAGE function and returns the formatted message. If the function fails, then it returns a NULL result.

The following table shows special characters that can be used in the format string.

Special Character	Description
'%s'	Substitute the next string argument
'%d'	Substitute the next integer argument
'%%'	Represents the special character %

## Syntax

```
UTL_LMS.FORMAT_MESSAGE (  
    format IN VARCHAR2 CHARACTER SET ANY_CS,  
    args   IN VARCHAR2 CHARACTER SET ANY_CS DEFAULT NULL)  
RETURN VARCHAR2 CHARACTER SET format%CHARSET;
```

## Parameters

**Table 294-2** FORMAT\_MESSAGE Procedure Parameters

Parameter	Description
format	Specifies the string to format
args	Specifies the list of arguments

## Examples

```
DECLARE  
    s varchar2(200);  
    i pls_integer;  
BEGIN  
    i:= utl_lms.get_message(26052, 'rdbms', 'ora', 'french', s);  
    dbms_output.put_line('before format, message is: '||s);  
    dbms_output.put_line('formatted message is: '||utl_lms.format_message(s, 9,  
'my_column_name');  
END;  
/
```

The following is an unformatted message:

Type %d non pris en charge pour l'expression SQL sur la colonne %s.

The following is the formatted message:

Type 9 non pris en charge pour l'expression SQL sur la colonne my\_column\_name.

## GET\_MESSAGE Function

This function retrieves an Oracle error message. The user can define user-specific error messages with the `lmsgen` utility.

It returns 0 when it is successful. It returns -1 when it fails.



### See Also:

*Oracle Database Globalization Support Guide* for more information about the `lmsgen` utility

## Syntax

```
UTL_LMS.GET_MESSAGE (  
    errnum   IN PLS_INTEGER,  
    product  IN VARCHAR2,  
    facility IN VARCHAR2,
```

```
    language IN VARCHAR2,  
    message OUT NOCOPY VARCHAR2 CHARACTER SET ANY_CS)  
RETURN PLS_INTEGER;
```

## Parameters

**Table 294-3 GET\_MESSAGE Function Parameters**

Parameter	Description
errnum	Specifies the error number. Example: '972' (for ORA-00972)
product	Specifies the product to which the error message applies Example: 'rdbms'
facility	Specifies the error message prefix Example: 'ora'
language	Specifies the language of the message. The parameter is case-insensitive. The default is NULL, which causes GET_MESSAGE to use the value of the NLS_LANGUAGE session parameter.
message	Specifies the output buffer for the retrieved message

## Usage Notes

If the language parameter is set to NULL, then the value of the NLS\_LANGUAGE session parameter is used as the default.

## Examples

```
DECLARE  
    s varchar2(200);  
    i pls_integer;  
BEGIN  
    i:=utl_lms.get_message(601, 'rdbms', 'oci', 'french', s);  
    dbms_output.put_line('OCI--00601 is: '||s);  
END  
/
```

The following output results:

```
OCI--00601 is: Echec du processus de nettoyage.
```