190

DBMS_SQL_TRANSLATOR

The DBMS_SQL_TRANSLATOR package provides an interface for creating, configuring, and using SQL translation profiles.

This chapter contains the following topics:

- Security Model
- Constants
- Operational Notes
- Exceptions
- Examples
- Summary of DBMS_SQL_TRANSLATOR Subprograms

See Also:

SQL Translation Framework Architecture and Overview in *Oracle Database Migration Guide*

DBMS_SQL_TRANSLATOR Security Model

DBMS SQL TRANSLATOR is a invoker's rights package.

When translating a SQL statement or error, the translator package procedure will be invoked with the same current user and current schema as those in which the SQL statement being parsed. The owner of the translator package must be granted the TRANSLATE SQL user privilege on the current user.

Additionally, the current user must be granted the EXECUTE privilege on the translator package.

DBMS SQL TRANSLATOR Constants

DBMS SQL TRANSLATOR defines several constants to use when specifying parameter values.

These are shown in the following table.

Table 190-1 DBMS_SQL_TRANSLATOR Constants

Constant	Value	Туре	Description
ATTR_EDITIONABL E	'EDITIONABLE'	VARCHAR2(30)	Name of the SQL translation profile attribute that specifies whether the SQL translation profile becomes an editioned or noneditioned object if editioning is later enabled for the schema object type SQL translation profile in the owner's schema (see Operational Notes)
ATTR_FOREIGN_SQ L_SYNTAX	'FOREIGN_SQL_SY NTAX'	VARCHAR2(30)	Name of the SQL translation profile attribute that indicates if the profile is for translation of foreign SQL syntax (see Operational Notes)
ATTR_LOG_TRANSL ATION_ERROR	'TRANSLATION_ER ROR'	VARCHAR2(30)	Name of the SQL translation profile attribute that controls if the profile should log translation error in the database alert log (see Operational Notes)
ATTR_RAISE_TRAN SLATION_ERROR	'TRANSLATION_ER ROR '	VARCHAR2(30)	Name of the SQL translation profile attribute that controls if the profile should raise translation error if a SQL statement or error fails to be translated (see Operational Notes)
ATTR_TRANSLATE_ NEW_SQL	'TRANSLATE_NEW_ SQL'	VARCHAR2(30)	Name of the SQL translation profile attribute that controls if the profile should translate new SQL statements and errors (see Operational Notes)
ATTR_TRACE_TRAN SLATION	'TRACE_TRANSLAT	VARCHAR2(30)	Name of the SQL translation profile attribute that controls tracing (see Operational Notes)
ATTR_TRANSLATOR	'TRANSLATOR'	VARCHAR2(30)	Name of the SQL translation profile attribute that specifies the translator package (see Operational Notes)
ATTR_VALUE_TRUE	'TRUE'	VARCHAR2(30)	Value to set a SQL translation profile attribute to true (see Operational Notes)
ATTR_VALUE_FALS E	'FALSE'	VARCHAR2 (30	Value to set a SQL translation profile attribute to false (see Operational Notes)

DBMS_SQL_TRANSLATOR Operational Notes

The subprograms that modify a profile have DDL transaction semantics and when invoked will commit any open transaction in the session.

ATTR_EDITIONABLE Constant

Editionable is true by default.

ATTR_FOREIGN_SQL_SYNTAX Constant

Foreign SQL syntax is true by default.

ATTR_LOG_TRANSLATION_ERROR Constant

- If log translation is enabled in a SQL translation profile, an alert log is written to the database alert log if no custom translation is found for a SQL statement or error. This allows the user to catch any error in the custom translation in a profile.
- Log translation error is false by default.

ATTR RAISE TRANSLATION ERROR Constant

Raise translation error is false by default.

ATTR_TRANSLATE_NEW_SQL Constant

- The name of the SQL translation profile attribute that controls if the profile should translate new SQL statements and errors. If so, the translator package, if registered, will translate a new SQL statement or error not already translated in custom translations, and also register the new translation as custom translation. If not, any new SQL statement or error encountered will result in a translation error
- Translate new SQL statements and errors is true by default.

ATTR_TRACE_TRANSLATION Constant

- If tracing is enabled in a SQL translation profile, any SQL statement or error translated by the profile in a database session and its translation is written to the database session's trace file.
- Tracing is disabled by default.

ATTR TRANSLATOR Constant

The translator package must be a PL/SQL package with the following three procedures.
 The TRANSLATE_SQL Procedure and the TRANSLATE_ERROR Procedure are called to translate SQL statements and errors. The names of the parameters of the translate procedures must be followed.

- When NULL is returned in translated_text, translated_code, or translated_sqlstate, it
 means that no translation is required and the original SQL statement, error code, or
 SQLSTATE is used instead.
- The name of the translator package follows the naming rules for database packages of the form [schema.]package_name. When the schema and package names are used, they are set to uppercase by default unless surrounded by double quotation marks. For example, setting a translator package, translator => 'dbms_tsql_translator' is the same as translator => 'Dbms_Tsql_Translator' and translator => 'DBMS_TSQL_TRANSLATOR', but not the same as translator => '"dbms_tsql_translator"'. The default schema name is the profile owner.
- The translator attribute is not set by default.

ATTR_VALUE_TRUE Constant

The value to set a SQL translation profile attribute to true.

ATTR_VALUE_FALSE Constant

The value to set a SQL translation profile attribute to false.

DBMS_SQL_TRANSLATOR Exceptions

This table lists the exceptions raised by the DBMS SQL TRANSLATOR package.

Table 190-2 Exceptions Raised by DBMS_SQL_TRANSLATOR

Exception	Error Code	Description
BAD_ARGUMENT	29261	Bad argument is passed to the PL/SQL interface
INSUFFICIENT_PRIVILEGE	1031	User has insufficient privilege for the operation
NO_SUCH_PROFILE	24252	Profile does not exist
NO_SUCH_USER	1918	Profile owner does not exist
NO_TRANSLATION_FOUND	24253	No translation of the SQL statement or error code found
PROFILE_EXISTS	955	Profile already exists

DBMS_SQL_TRANSLATOR Examples

This is an example of basic SQL translation using DBMS SQL TRANSLATOR.

Basic SQL Translation

```
BEGIN

DBMS_SQL_TRANSLATOR.CREATE_PROFILE(
   profile_name => ' tsql_application');

DBMS_SQL_TRANSLATOR.SET_ATTRIBUTE(
   profile_name => 'tsql_application',
   attribute_name => DBMS_SQL_TRANSLATOR.ATTR_TRANSLATOR,
   attribute_value => 'migration_repo.sybase_tsql_translator');
FND:
```

Summary of DBMS_SQL_TRANSLATOR Subprograms

This table lists the DBMS SQL TRANSLATOR subprograms and briefly describes them.

Table 190-3 DBMS SQL TRANSLATOR Package Subprograms

Subprogram	Description
CREATE_PROFILE Procedure	Creates a SQL translation profile
DEREGISTER_SQL_TRANS LATION Procedure	Deregisters the custom translation of a SQL statement in a SQL translation profile

Table 190-3 (Cont.) DBMS_SQL_TRANSLATOR Package Subprograms

Subprogram	Description
DEREGISTER_ERROR_TRA NSLATION Procedure	Deregisters the translation of an Oracle error code and SQLSTATE in a SQL translation profile
DROP_PROFILE Procedure	Drops a SQL translation profile and its contents
ENABLE_ERROR_TRANSLA TION Procedure	Enables or disables a custom translation of an Oracle error code in a SQL translation profile
ENABLE_SQL_TRANSLATIO N Procedure	Enables or disables a custom translation of a SQL statement in a SQL translation profile
EXPORT_PROFILE Procedure	Exports the content of a SQL translation profile
IMPORT_PROFILE Procedure	Imports the content of a SQL translation profile
REGISTER_ERROR_TRANS LATION Procedure	Registers a custom translation of an Oracle error code and ${\tt SQLSTATE}$ in a SQL translation profile
REGISTER_SQL_TRANSLA TION Procedure	Registers a custom translation of a SQL statement in a SQL translation profile
SET_ATTRIBUTE Procedure	Sets an attribute of a SQL translation profile
SQL_HASH Function	Computes the hash value of a SQL statement in a SQL translation profile
SQL_ID Function	Computes the SQL identifier of a SQL statement in a SQL translation profile
TRANSLATE_ERROR Procedure	Translates an Oracle error code and an ANSI SQLSTATE using a SQL translation profile
TRANSLATE_SQL Procedure	Translates a SQL statement using a SQL translation profile

CREATE_PROFILE Procedure

This procedure creates a SQL translation profile.

Syntax

```
DBMS_SQL_TRANSLATOR.CREATE_PROFILE (
   profile_name IN VARCHAR2);
```

Parameters

Table 190-4 CREATE_PROFILE Procedure Parameters

Parameter	Description	
profile_name	Name of profile	



Table 190-5 CREATE PROFILE Procedure Exceptions

Exception	Description
BAD_ARGUMENT	Bad argument is passed to the PL/SQL interface
INSUFFICIENT_PRIVILEGE	User has insufficient privilege for the operation
NO_SUCH_USER	Profile owner does not exist
PROFILE_EXISTS	Profile already exists

Usage Notes

- A SQL translation profile is a database schema object that resides in SQL translation profile namespace. Its name follows the naming rules for database objects of the form [schema.]name. When the schema and profile names are used in the DBMS_SQL_TRANSLATOR package, they are uppercased unless surrounded by double quotation marks. For example, the translation profile profile_name => 'tsql_application' is the same as profile_name => 'Tsql_Application' and profile_name => 'TSQL_APPLICATION', but not the same as profile_name => '"tsql_application"'.
- A SQL translation profile is an editionable object type.
- A SQL translation profile cannot be created as a common object in a multitenant container database (CDB).
- To destroy a SQL translation profile, use the DROP PROFILE Procedure.

Examples

```
BEGIN
   DBMS_SQL_TRANSLATOR.CREATE_PROFILE(profile_name => 'tsql_application');
END;
```

DEREGISTER_SQL_TRANSLATION Procedure

This procedure deregisters the custom translation of a SQL statement in a SQL translation profile.

Syntax

Parameters

Table 190-6 DEREGISTER_SQL_TRANSLATION Procedure Parameters

Parameter	Description
profile_name	Name of profile
sql_text	SQL statement



Table 190-7 DEREGISTER_SQL_TRANSLATION Procedure Exceptions

Exception	Description
BAD_ARGUMENT	Bad argument is passed to the PL/SQL interface
INSUFFICIENT_PRIVILEGE	User has insufficient privilege for the operation
NO_SUCH_USER	Profile owner does not exist
PROFILE_EXISTS	Profile already exists

Examples

```
BEGIN
    DBMS_SQL_TRANSLATOR.DEREGISTER_SQL_TRANSLATION(
    profile_name => 'tsql_application',
    sql_text => 'select top 5 * from emp');
END;
```

DEREGISTER_ERROR_TRANSLATION Procedure

This procedure deregisters the translation of an Oracle error code and SQLSTATE in a SQL translation profile.

Syntax

Parameters

Table 190-8 DEREGISTER_ERROR_TRANSLATION Procedure Parameters

Parameter	Description
profile_name	Name of profile
error_code	Oracle error code

Exceptions

Table 190-9 DEREGISTER_ERROR_TRANSLATION Procedure Exceptions

Exception	Description
BAD_ARGUMENT	Bad argument is passed to the PL/SQL interface
INSUFFICIENT_PRIVILEGE	User has insufficient privilege for the operation
NO_SUCH_USER	Profile owner does not exist
NO_SUCH_PROFILE	Profile does not exist



Examples

```
BEGIN
   DBMS_SQL_TRANSLATOR.DEREGISTER_ERROR_TRANSLATION(
        profile_name => 'tsql_application',
        error_code => 1);
END;
```

DROP_PROFILE Procedure

This procedure drops a SQL translation profile and its contents.

Syntax

```
DBMS_SQL_TRANSLATOR.DROP_PROFILE (
   profile_name IN VARCHAR2);
```

Parameters

Table 190-10 DROP PROFILE Procedure Parameters

Parameter	Description
profile_name	Name of profile

Exceptions

Table 190-11 DROP_PROFILE Procedure Exceptions

Exception	Description
BAD_ARGUMENT	Bad argument is passed to the PL/SQL interface
INSUFFICIENT_PRIVILEGE	User has insufficient privilege for the operation
NO_SUCH_USER	Profile owner does not exist
NO_SUCH_PROFILE	Profile does not exist

Examples

```
BEGIN
    DBMS_SQL_TRANSLATOR.DROP_PROFILE(
        profile_name => 'tsql_application');
END;
```

ENABLE_ERROR_TRANSLATION Procedure

This procedure enables or disables a custom translation of an Oracle error code in a SQL translation profile.

Syntax



Parameters

Table 190-12 ENABLE_ERROR_TRANSLATION Procedure Parameters

Parameter	Description
profile_name	Name of profile
sql_text	SQL statement
enable	Enable or disable the translation

Exceptions

Table 190-13 ENABLE_ERROR_TRANSLATION Procedure Exceptions

Exception	Description
BAD_ARGUMENT	Bad argument is passed to the PL/SQL interface
INSUFFICIENT_PRIVILEGE	User has insufficient privilege for the operation
NO_SUCH_USER	Profile owner does not exist
NO_SUCH_PROFILE	Profile does not exist

Examples

```
BEGIN
   DBMS_SQL_TRANSLATOR.ENABLE_ERROR_TRANSLATION(
        profile_name => 'tsql_application',
        sql_text => 'SELECT TOP 5 * FROM emp'
        enable => TRUE);
END;
```

ENABLE_SQL_TRANSLATION Procedure

This procedure enables or disables a custom translation of a SQL statement in a SQL translation profile.

Syntax

Parameters

Table 190-14 ENABLE_SQL_TRANSLATION Procedure Parameters

Parameter	Description
profile_name	Name of profile
sql_text	SQL statement
enable	Enable or disable the translation



Table 190-15 ENABLE_SQL_TRANSLATION Procedure Exceptions

Exception	Description
BAD_ARGUMENT	Bad argument is passed to the PL/SQL interface
INSUFFICIENT_PRIVILEGE	User has insufficient privilege for the operation
NO_SUCH_USER	Profile owner does not exist
NO_SUCH_PROFILE	Profile does not exist

Examples

```
BEGIN
   DBMS_SQL_TRANSLATOR.ENABLE_SQL_TRANSLATION(
     profile_name => 'tsql_application',
     sql_text => 'select top 5 * from emp',
     enable => TRUE);
END;
```

EXPORT_PROFILE Procedure

This procedure exports the content of a SQL translation profile.

Syntax

Parameters

Table 190-16 EXPORT_PROFILE Procedure Parameters

Parameter	Description
profile_name	Name of profile
content	Content of profile

Exceptions

Table 190-17 EXPORT_PROFILE Procedure Exceptions

Exception	Description
BAD_ARGUMENT	Bad argument is passed to the PL/SQL interface
INSUFFICIENT_PRIVILEGE	User has insufficient privilege for the operation
NO_SUCH_USER	Profile owner does not exist
NO_SUCH_PROFILE	Profile does not exist



Usage Notes

 The content of the SQL translation profile is exported in XML format as follows. Note that the profile name will not be exported.

```
SQLTranslationProfile Translator="translator package name"
                      ForeignSQLSyntax="TRUE|FALSE"
                       TranslateNewSOL="TRUE|FALSE"
                       RaiseTranslationError="TRUE|FALSE"
                       LogTranslationError="TRUE|FALSE"
                       TraceTranslation="TRUE|FALSE"
                       Editionable="TRUE|FALSE">
 <SQLTranslations>
    <SQLTranslation Enabled="TRUE|FALSE">
     <SQLText>original SQL text</SQLText>
      <TranslatedText>translated SQL text/TranslatedText>
    </SQLTranslation>
 </SQLTranslations>
 <ErrorTranslations>
    <ErrorTranslation Enabled="TRUE|FALSE">
     <ErrorCode>Oracle error code</ErrorCode>
     <TranslatedCode>translated error code</TranslatedCode>
     <TranslatedSQLSTATE>translated SQLSTATE/TranslatedSQLSTATE>
    </ErrorTranslation>
 </ErrorTranslations>
</SQLTranslationProfile>
```

To import the content to a SQL translation profile, use the IMPORT_PROFILE Procedure.

Examples

```
DECLARE
  content CLOB;
BEGIN
   DBMS_SQL_TRANSLATOR.EXPORT_PROFILE(
      profile_name => 'tsql_application',
      content => content);
END;
```

IMPORT_PROFILE Procedure

This procedure imports the content of a SQL translation profile.

Syntax

Parameters

Table 190-18 IMPORT PROFILE Procedure Parameters

Parameter	Description	
profile_name	Name of profile	
content	Content of profile	



Table 190-19 IMPORT_PROFILE Procedure Exceptions

Exception	Description
BAD_ARGUMENT	Bad argument is passed to the PL/SQL interface
INSUFFICIENT_PRIVILEGE	User has insufficient privilege for the operation
NO_SUCH_USER	Profile owner does not exist

Usage Notes

- The content of the SQL translation profile must be in XML format as used by the EXPORT PROFILE Procedure. All elements and attributes are optional.
- If the profile does not exist, it is created. If it exists, the content overrides any existing attribute, translator package, SQL or error translation registration.
- To export the content to a SQL translation profile, use the EXPORT PROFILE Procedure.

Examples

```
DECLARE
  content CLOB;
BEGIN
   DBMS_SQL_TRANSLATOR.IMPORT_PROFILE(
      profile_name => 'tsql_application',
      content => content);
END;
```

REGISTER_ERROR_TRANSLATION Procedure

This procedure registers a custom translation of an Oracle error code and SQLSTATE in a SQL translation profile.

Syntax

```
DBMS_SQL_TRANSLATOR.REGISTER_ERROR_TRANSLATION (
profile_name IN VARCHAR2,
error_code IN PLS_INTEGER,
translated_code IN PLS_INTEGER DEFAULT NULL,
translated_sqlstate IN VARCHAR2 DEFAULT NULL,
enable IN BOOLEAN DEFAULT TRUE);
```

Parameters

Table 190-20 REGISTER_ERROR_TRANSLATION Procedure Parameters

Parameter	Description
profile_name	Name of profile
error_code	Oracle error code
translated_code	Translated error code
translated_sqlstate	Translated SQLSTATE
enable	Enable or disable the translation

Table 190-21 REGISTER_ERROR_TRANSLATION Procedure Exceptions

Exception	Description
BAD_ARGUMENT	Bad argument is passed to the PL/SQL interface
INSUFFICIENT_PRIVILEGE	User has insufficient privilege for the operation
NO_SUCH_USER	Profile owner does not exist
NO_SUCH_PROFILE	Profile does not exist

Usage Notes

- When the Oracle Database translates an Oracle error code using a translation profile, it searches for the registered custom translation first, and only invokes the translator package if no match is found.
- When a translation is registered in a profile, it may be disabled. Oracle Database does not search for disabled translations.
- The old translation of the error code and SQLSTATE, if present, is replaced with the new translation.
- To deregister a translation, use the DEREGISTER_ERROR_TRANSLATION Procedure.

Examples

```
BEGIN

    DBMS_SQL_TRANSLATOR.REGISTER_ERROR_TRANSLATION(
    profile_name => 'tsql_application',
    error_code => 1,
    translated_code => 2601);
END;
```

REGISTER_SQL_TRANSLATION Procedure

This procedure registers a custom translation of a SQL statement in a SQL translation profile.

Syntax

Parameters

Table 190-22 REGISTER_SQL_TRANSLATION Procedure Parameters

Parameter	Description
profile_name	Name of profile
sql_text	SQL statement
translated_text	Translated SQL statement

Table 190-22 (Cont.) REGISTER_SQL_TRANSLATION Procedure Parameters

Parameter	Description
enable	Enable or disable the translation

Table 190-23 REGISTER_SQL_TRANSLATION Procedure Exceptions

Exception	Description
BAD_ARGUMENT	Bad argument is passed to the PL/SQL interface
INSUFFICIENT_PRIVILEGE	User has insufficient privilege for the operation
NO_SUCH_USER	Profile owner does not exist
NO_SUCH_PROFILE	Profile does not exist

Usage Notes

- When the Oracle Database translates a statement using a translation profile, it searches for the registered custom translation first, and only invokes the translator package if no match is found.
- When a translation is registered in a profile, it may be disabled. Oracle Database does not search for disabled translations.
- When translated_text is NULL, no translation is required and the original statement is used.
- The old translation of the SQL statement, if present, is replaced with the new translation.
- To deregister a translation, use the DEREGISTER SQL TRANSLATION Procedure.

Examples

```
BEGIN
   DBMS_SQL_TRANSLATOR.REGISTER_SQL_TRANSLATION(
     profile_name => 'tsql_application',
     sql_text => 'select top 5 * from emp',
     translated_text => 'SELECT * FROM emp WHERE rownum <= :SYS_N_001');
END;</pre>
```

SET ATTRIBUTE Procedure

This procedure sets an attribute of a SQL translation profile.

Syntax



Parameters

Table 190-24 SET_ATTRIBUTE Procedure Parameters

Parameter	Description
profile_name	Name of profile
attribute_name	Name of attribute
attribute_value	Value of attribute

Exceptions

Table 190-25 SET_ATTRIBUTE Procedure Exceptions

Exception	Description
BAD_ARGUMENT	Bad argument is passed to the PL/SQL interface
INSUFFICIENT_PRIVILEGE	User has insufficient privilege for the operation
NO_SUCH_USER	Profile owner does not exist
NO_SUCH_PROFILE	Profile does not exist

Usage Notes

See Constants

SQL_HASH Function

This procedure computes the hash value of a SQL statement in the session's SQL translation profile.

Syntax

Parameters

Table 190-26 SQL_HASH Function Parameters

Parameter	Description	
sql_text	SQL statement	

Return Values

Returns hash value of the SQL statement in the SQL translation profile



Table 190-27 SQL_HASH Function Exceptions

Exception	Description
BAD_ARGUMENT	Bad argument is passed to the PL/SQL interface

Examples

```
DECLARE
   sqltext CLOB;
   txltext CLOB;
   sqlhash NUMBER;
BEGIN
   sqltext := 'SELECT TOP 1 * FROM emp';
   sqlhash := DBMS_SQL_TRANSLATOR.SQL_HASH (sqltext);
   SELECT translated_text INTO txltext
   FROM user_sql_translations
   WHERE sql_hash = sqlhash
   AND DBMS_LOB.COMPARE (sql_text, sqltext) = 0;
END;
```

SQL_ID Function

This procedure computes the SQL identifier of a SQL statement in a SQL translation profile.

Syntax

Parameters

Table 190-28 SQL ID Function Parameters

Parameter	Description
sql_text	SQL statement

Return Values

Returns the SQL ID of the SQL statement in the SQL translation profile

Exceptions

Table 190-29 SQL_ID Function Exceptions

Exception	Description
BAD_ARGUMENT	Bad argument is passed to the PL/SQL interface

Examples

```
DECLARE sqltext CLOB;
```



```
sqlid VARCHAR2(13);
BEGIN
sqltext := 'SELECT TOP 1 * FROM emp';
sqlid := DBMS_SQL_TRANSLATOR.SQL_ID (sqltext);
END:
```

TRANSLATE_ERROR Procedure

This procedure translates an Oracle error code and an ANSI SQLSTATE using the session's SQL translation profile

Syntax

```
DBMS_SQL_TRANSLATOR.TRANSLATE_ERROR (
error_code IN PLS_INTEGER,
translated_code OUT PLS_INTEGER,
translated_sqlstate OUT NOCOPY VARCHAR2);
```

Parameters

Table 190-30 TRANSLATE ERROR Procedure Parameters

Parameter	Description
error_code	Oracle error code
translated_code	Translated error code
translated_sqlstate	Translated SQLSTATE

Exceptions

Table 190-31 TRANSLATE_ERROR Procedure Exceptions

Exception	Description
BAD_ARGUMENT	Bad argument is passed to the PL/SQL interface
INSUFFICIENT_PRIVILEGE	User has insufficient privilege for the operation
NO_SUCH_USER	Profile owner does not exist
NO_SUCH_PROFILE	Profile does not exist
NO_TRANSLATION_FOUND	No translation of the SQL statement or error code is found

Examples



TRANSLATE_SQL Procedure

This procedure translates a SQL statement using a SQL translation profile.

Syntax

```
DBMS_SQL_TRANSLATOR.TRANSLATE_SQL (
sql_text IN CLOB,
translated text OUT NOCOPY CLOB);
```

Parameters

Table 190-32 TRANSLATE_SQL Procedure Parameters

Parameter	Description
sql_text	SQL statement
translated_text	Translated SQL statement

Exceptions

Table 190-33 TRANSLATE_SQL Procedure Exceptions

Exception	Description
BAD_ARGUMENT	Bad argument is passed to the PL/SQL interface
INSUFFICIENT_PRIVILEGE	User has insufficient privilege for the operation
NO_SUCH_USER	Profile owner does not exist
NO_SUCH_PROFILE	Profile does not exist

Examples

```
ALTER SESSION SET SQL_TRANSLATION_PROFILE = tsql_application;

DECLARE
    translated_text CLOB;

BEGIN
    DBMS_SQL_TRANSLATOR.TRANSLATE_SQL(
    sql_text => 'select top 5 * from emp',
    translated_text => translated_text);

END;
```

