

Toad® DevOps Toolkit™

# PL/SQL Demonstration



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Attn: LEGAL Dept

4 Polaris Way

Aliso Viejo, CA 92656

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Updated – September 22, 2017

Version – 1.0

# Contents

<b>Purpose .....</b>	<b>4</b>
<b>Installation .....</b>	<b>5</b>
Oracle Install .....	5
<b>Run Demo .....</b>	<b>6</b>
<b>Output.....</b>	<b>7</b>

# Purpose

This example will demonstrate how PL/SQL can be used to call TDT commands and return results.

In order to run TDT using PL/SQL, several Oracle installation steps are required (see [Oracle COM Automation Feature \(PDF\)](#) or [Oracle COM Automation Feature \(web\)](#) for more information).

The demo will show how to:

1. Start TDT.
2. Get Connection Property.
3. Set Connection Arguments.
4. Make a Connection.
5. Stop TDT.

# Installation

## Oracle Install

To run TDT using PL/SQL, several Oracle installations steps are required. The following is an overview of the steps required. Please reference Oracle's COM Automation Feature documentation for more detailed information.

1. `orawpcom VER.dll` must exist in the OracleHome bin directory on the Database Server.
2. Create a Library that points to `orawpcom VER.dll`.

E.g.

```
CREATE OR REPLACE LIBRARY COM.UTILS_LIB IS '$ORACLE_HOME\bin\orawpcom11.dll'
```

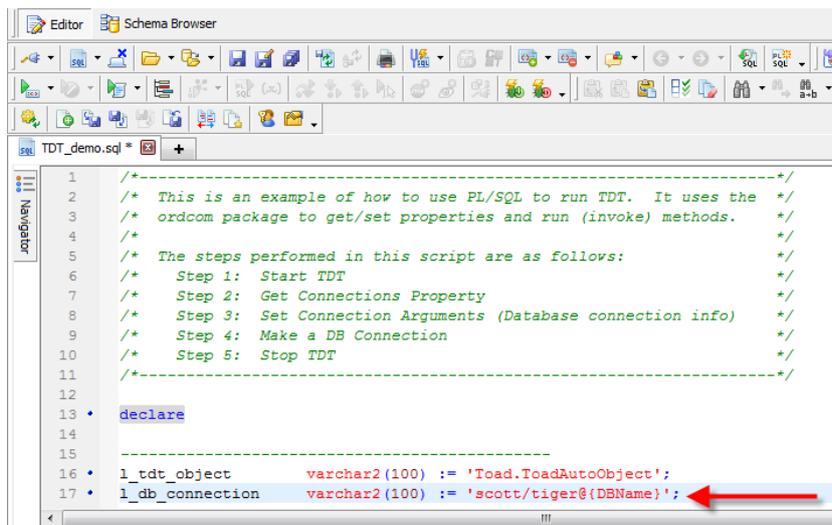
3. Run `comwrap.sql`. This creates the ORDCOM objects.
4. Grant any privileges required to access ORDCOM to the user running the demo script, as needed.
5. Configure TNS for PL/SQL.

Example:

```
EXTPROC_CONNECTION_DATA=  
(DESCRIPTION=  
(ADDRESS=  
(PROTOCOL=IPC)  
(KEY=EXTPROC0)  
)  
(CONNECT_DATA=(SID=plsextproc))
```

# Run Demo

1. Open Toad.
2. Select **File > Open**.
3. Navigate to the directory where you extracted TDT\_Demo.
4. Select **TDT\_demo.sql**.
5. Update **l\_db\_connection** variable with database information (username/pwd@dbname).



```
1  /*-----*/
2  /* This is an example of how to use PL/SQL to run TDT. It uses the */
3  /* ordcom package to get/set properties and run (invoke) methods. */
4  /*-----*/
5  /* The steps performed in this script are as follows: */
6  /* Step 1: Start TDT */
7  /* Step 2: Get Connections Property */
8  /* Step 3: Set Connection Arguments (Database connection info) */
9  /* Step 4: Make a DB Connection */
10 /* Step 5: Stop TDT */
11 /*-----*/
12
13 declare
14
15 -----
16 l_tdt_object      varchar2(100) := 'Toad.ToadAutoObject';
17 l_db_connection   varchar2(100) := 'scott/tiger@{DBName}';
```

6. Press F5 or the **Execute as Script** button to start the run.

# Output

To view the output, select the **DBMS Output** tab as shown below.

