TOAD®

GETTING STARTED GUIDE

Version 7.0

QUEST SOFTWARE

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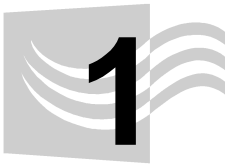


About this guide

This guide introduces TOAD. It helps you install and run TOAD. It also introduces you to some of the TOAD functions and optional modules.

The guide covers the following major topics:

- System requirements
- Install/uninstall
- Registration
- Troubleshooting
- TOAD files
- Optional add-on modules

This is an introductory guide. Refer to TOAD Help for the latest information. You can easily access TOAD Help while in TOAD by pressing the **F1** key.

RELEASENOTES.TXT contains the latest information about upgrades and changes.

Note that this guide was prepared in March 2001. New or changed TOAD features since March 2001 are not reflected in this version of the TOAD Getting Started Guide.

For details on TOAD, including navigation and main windows, refer to the *TOAD User's Guide*.

Remember, you can always access TOAD Help while in TOAD by pressing the **F1 Key**.

Introduction

TOAD

TOAD is a powerful low-overhead tool built around an advanced SQL and PL/SQL editor. It was designed from the developer's perspective, and the result is an easy to use, fast, and effective interface. The GUI object browsers provide quick access to database objects.

You don't have to be a PL/SQL expert to access database objects when you're using TOAD. You can view the Oracle Dictionary, tables, indexes, stored procedures, and more-- all through a multi-tabbed browser.

PL/SQL script writers can use the advanced editing features to save time and increase productivity. Code can be created from shortcuts and code templates. Even create your own code templates.

Use TOAD to

- Create, browse, or alter objects (tables, views, indexes, etc.) including Oracle8 TYPE objects
- Graphically build, execute, and tune queries
- Edit and Debug PL/SQL and profile "stored procedures" including functions, packages, and triggers
- Search for objects
- Find and fix database problems with constraints, triggers, extents, indexes, and grants

Install/Uninstall and TOAD Files

This chapter covers the install process for TOAD including an overview of the TOAD files that are installed. It explains the different types of installs. It also shows the uninstall procedure.

You can install TOAD from a CD-ROM or installation files you download from the Quest Software Web site, www.quest.com .

Before installing TOAD, make sure that your system meets the minimum hardware and software requirements. Also, check your SQL*Net or Net8 setup with another application, such as Oracle's *tnsping* utility, to verify your connection with the database.

System Requirements

TOAD requires either Windows 95, 98, NT 3.51, NT 4.0, or Windows 2000.

If you have SQL*Net (32 bit) installed (or Net8 for Oracle 8 users) and can connect to Oracle 7 using any of Oracle's tools (with the exception of SQL*Plus), TOAD should operate properly.

Minimum Hardware Requirements

IBM style PC

16 MB of RAM for Windows 95, 98, 2000
or
32 MB of RAM for Windows NT 3.51, 4.0

20 MB disk space required to run TOAD

CD-ROM drive (required for commercial version installation from CD-ROM)

VGA monitor

Mouse pointing device

Minimum Software Requirements

Oracle 7.3 or higher

The current release of TOAD requires SQL*Net (32 bit) or Net8 for Oracle 8 users.

TOAD will not run on Linux, Unix, OS2, or Macintosh.

Optional Requirements

This option …	Requires …
TOAD Debugger	TOAD, Oracle 7.3 or higher including Oracle Probe v2.0 or higher (SYS.DBMS_DEBUG package)
TOAD DBA	TOAD, Oracle 7.3 or higher
Tuning modules	32 MB of RAM and an additional 25 MB of disk space

Install

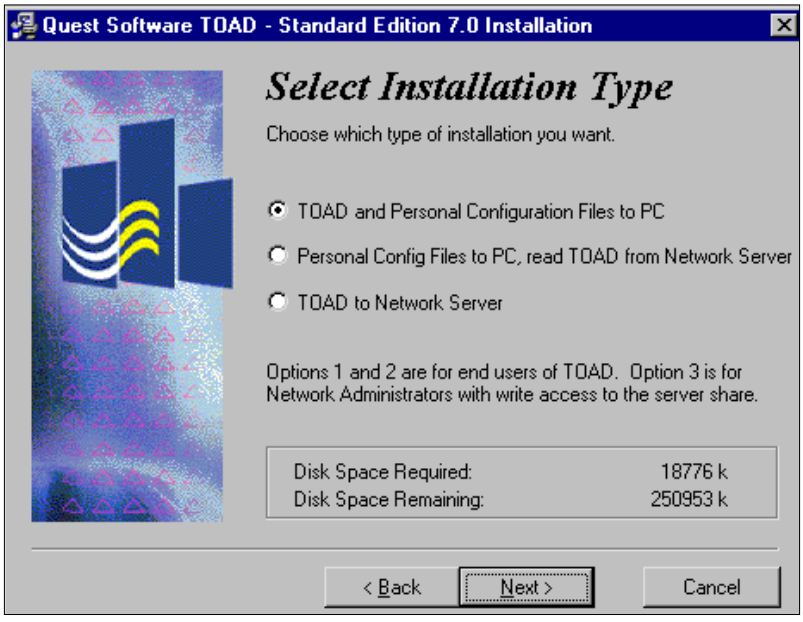
To Install TOAD

1 Run the TOAD Installation program from the CD or downloaded file.

2 The first install dialog box is a Welcome screen. This ensures that you want to install TOAD. If you want to cancel, click **Cancel**. As you progress through the following dialog boxes, you will have a **Back** button to go back to the previous dialog box and a **Cancel** button to cancel the installation. To progress through the installation, choose your option for each dialog box and click **Next**.

3 The next dialog asks you to select the type of installation you want. The choices are:

TOAD and Personal Configuration Files to PC
Personal Config Files to PC, read TOAD from Network Server
TOAD to Network Server



You can only choose one. TOAD always installs its files in a TOAD folder. No files will be placed in Windows folders or other miscellaneous folders.

TOAD and Personal Configuration Files to PC
This is the default choice. This installation is a full client and server install. This installs all TOAD files to your local hard drive. A TOAD folder is created on your local hard drive and the install puts TOAD.EXE, TOAD.HLP, and other TOAD files in your TOAD folder. TOAD\TEMPS contains most of your personal configuration files and the majority of the TOAD files.

Is Network Installation the right choice for you?

An advantage of installing TOAD to a network server is that as TOAD is updated, the network administrator only has to update the server files. All users are updated when you update TOAD on the server, as opposed to having to update each workstation individually. This makes periodic TOAD updates easier.

The disadvantage of installing TOAD to a server is whenever someone starts TOAD at their workstation they have to read the TOAD.EXE application file (currently approximately 7 megabytes) across the network. If you have a slow network or a network with a lot of traffic, this type of installation might not be your best choice.

Personal Config Files to PC, read TOAD from Network Server
This option installs the personal configuration files to the PC, and creates shortcuts to TOAD.EXE and TOAD.HLP on the server, which already has TOAD installed. All other TOAD files, such as files that you can customize, are installed on your workstation in your hard drive in a TOAD folder. So, if you choose this option you need to know where on the server you want your TOAD.EXE and TOAD.HLP files to be read from. This option is for individual workstations in situations where TOAD.HLP and TOAD.EXE are already installed on the server.

TOAD to Network Server
This installs TOAD.EXE and TOAD.HLP on the network server so other users can run the *Personal Config Files to PC, read TOAD from Network Server* installation to create shortcuts to the served TOAD. If TOAD is installed to run on a server, the network administrator should be the only one with write access to TOAD.

4 The next dialog asks you to select your destination directory. The default directory is C:\Program Files\Quest Software\TOAD, but you can browse through your directories and select another one if you want TOAD installed in another directory or another hard drive letter (D, E, F, etc.).

If in the previous step you chose to install some or all of TOAD on a server you will also be asked for the destination directory for the server install.

5 The next dialog box asks if you want to backup replaced files. If you choose Yes, then all copies of modified configuration files will be put in a backup folder. Then, when TOAD updates are performed, your configuration files won't be overwritten. This only backs up TOAD install files. The default is Yes.

6 If you chose Yes in the previous dialog, the install will ask you to select a backup directory. The default is the TOAD\BACKUP folder. You can browse through your directories if you want to choose another location.

7 TOAD starts its installation process.

It checks your system to see if either SQL*Net or Net8 are installed properly, such as ORACLE_HOME, PATH environment variable, and prerequisite SQL*Net/Net8 files.

It asks you if you would like a TOAD desktop shortcut icon. If you choose Yes it creates a TOAD shortcut and an icon on your desktop.

After TOAD makes these checks, a progress bar displays which shows the install program uncompressing the files and copying the files to their destinations. At the same time, 2 log files are created in the TOAD folder: INSTALL.LOG and INSTALL.TXT.

INSTALL.LOG and INSTALL.TXT

INSTALL.LOG is created by the install script. It contains verbose commands of what the installation did. Do not edit INSTALL.LOG, because it is needed by the uninstall engine. It is the file the uninstall engine reads when removing files, icons, and other parts of TOAD. This file is also helpful when trying to diagnose an installation problem such as low disk space, inadequate NT privileges, etc.

Here is a section from an INSTALL.LOG file.

```
File Copy: d:\Program Files\Quest Software\TOAD\readonly.lic
File Copy: d:\Program Files\Quest Software\TOAD\temp.key
Made Dir: d:\Program Files\Quest Software\TOAD\BACKUP
File Overwrite: d:\Program Files\Quest Software\TOAD\Toad.exe.
```

INSTALL.TXT is also created by the installation, but it has a different format. Its user-friendly approach is easier to follow. It's basically an outline of how the installation script went. If there is an installation problem, such as a problem creating icons, the file can be helpful in determining why that problem is occurring. Here is a section from an INSTALL.TXT file. Notice how different its format is from the INSTALL.LOG.

```
Beginning TOAD version 6.2.7.19 install...
Look in d:\Program Files\Quest Software\TOAD\install.log for more details...
Copying down files...
File install complete
Creating icons...
Create a shortcut to TOAD on the desktop...
Done creating icons!
```

So, TOAD writes the files to the appropriate places.

8 TOAD creates icons/shortcuts in the Start/Programs/Quest Software/Toad menu or Program Manager Group including:

- TOAD Application
- TOAD Help
- TOAD ReadMe General
- Uninstall TOAD
- Release Notes
- Getting Started Guide
- User's Guide
- SQL Loader Overview (DBA module only)

9 TOAD will also display dialogs relevant to any add-on modules that you have.

10 The finish dialog will display indicating installation has been completed.

TOAD will ask you if you want to read the README.TXT. The default choice is Yes. If you choose Yes, TOAD will put the README.TXT into notepad for you to read.

You should refer to the RELEASENOTES.TXT for the latest information about TOAD upgrades, changes, fixes, and issues.

TOAD files

When TOAD is installed, files are copied into the appropriate directories. As you work with TOAD more files are created by you. This section is an overview of some of the TOAD files that are in your TOAD folder.

TOAD.EXE
This is the TOAD application file.

TOAD.HLP
This is the TOAD help file.

ROBOEX32.DLL
The DLL file for the TOAD Help files

TOAD.CNT
The contents for the TOAD Help files

UNINSTAL.EXE
This is the uninstall engine. You select uninstall from the start menu, or control panel add/remove programs applet.
The uninstall engine reads and undoes everything that it finds in the INSTALL.LOG.

TOAD.LIC – This file must be in the TOAD folder.
FULLTOAD.LIC
READONLY.LIC

TOAD.EXE only reads **TOAD.LIC** to determine if it is full TOAD or read-only. So, the network administrator can copy **READONLY.LIC** over the **TOAD.LIC** on an individual workstation, to make TOAD read-only at that workstation.

HINTS.TXT
ASCII file for hints for the toolbar buttons and status panel descriptions.

A section from the HINTS.TXT file

```
SqlEdit=Open a new SQL Window|Open a new SQL Window
Browser=Open a new Schema Browser Window
ProcEdit=Open a new Procedure Edit Window
SqlBuilder=Open a new SQL Builder
SqlModeler=Open a new SQL Modeler
ExPlanResults=Explain Plan Window|Show previous Explain Plan Results
DBMS=Open a new DBMS Output Window
Execute=Execute statement|Execute the complete or highlighted statement ( F9 )
ExecutePartial=Run current statement|Run the statement at the cursor  ( Shft-F9 )
ExecuteScript=Execute all of current window as script
RecallSql=Recall Previous SQL ( F8 )
RecallPers=Recall Personal SQL
```

NAMEDSQL .DAT
A list of user named SQLs

PERSSQLS.DAT
A list of user personal SQLs

SQLS.DAT
A list of last *x* SQLs executed by the user

README.TXT
A legal reminder, install notes, license files, and other TOAD information

RELEASENOTES.TXT
Includes important information about upgrades, changes, fixes, and issues

REVBASE.DLL
Interface from TOAD to Oracle Knowledge Base

TOAD.INI
Initialization parameters file

TOADLOAD.WAV
Croak sound, plays when TOAD.EXE is invoked

SCHEMA.FLT
Schema filters files. If you use browser filters, TOAD creates SCHEMA.FLT files.

TOADREPORTS.EXE
The executable that launches the Reports feature from within TOAD. It can only be launched from within TOAD.

REPORTSPARAMS.INI
Initialization files for the Reports feature

FMTPLUS.DLL
Contains the code that TOAD uses from Formatter Plus—Format Code, Profile Code, and Show Inline Advice

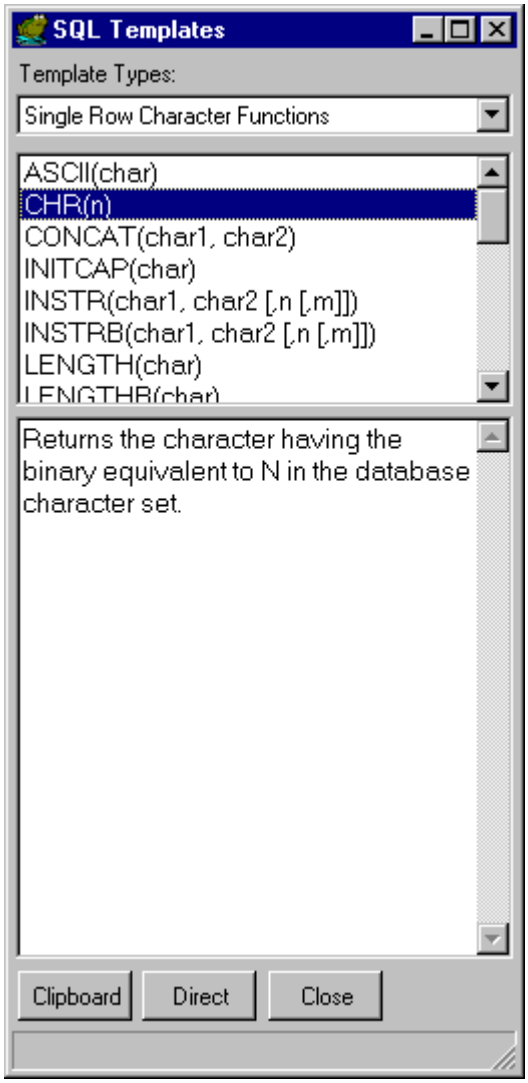
FMTOPTIONS.EXE
Launched when you select View > Formatting Options. This window lets you configure how Formatter Plus will operate. The settings for the configuration window are saved in FMTOPTIONS.INI

FMTPLUS.OPT
The settings for Formatter Plus that the View > Formatting Options window configures are saved in FMTPLUS.OPT.

The TEMPS folder contains 12 text files associated with SQL functions Help. To see the SQL Help Templates, go to the toolbar in the SQL Edit Window and select **Show SQL Help**.

FILE NAME	ASSOCIATED TEMPLATE
STRFUNCS.TXT	Single Row Character Functions
NUMFUNCS.TXT	Single Row Number Functions
GRPFUNCS.TXT	Group Functions
DATFUNC.TXT	Date Functions
DATEFMTS.TXT	Date Format Options
CNVFUNCS.TXT	Data Conversion Functions
MSCFUNCS.TXT	Other Misc. Functions
NMBRFMTS.TXT	Number Format Options
PSEUDO.TXT	Oracle Pseudo Columns
OPTHINTS.TXT	SQL Optimizer Hints
PREDFXCP.TXT	Defined Exceptions
USRFUNCS.TXT	User Provided Function List

These templates are user configurable by editing the text file. This is especially useful for configuring PREDFXCP.TXT and USRFUNCS.TXT.



4 templates are for the Procedure Editor in the Procedure Editor Window.

NEWFUNC.SQL
NEWPACK.SQL
NEWPROC.SQL
NEWTRIG.SQL

3 files are associated with syntax highlighting in the SQL Editor and Procedure Editor.

PLSQLSCR.TXT
Main file

SHORTSCR.TXT
The default – PLSQLSCR.TXT=SHORTSCR.TXT

LONGSCR.TXT
Can copy LONGSCR.TXT over PLSQLSCR.TXT for more functionality

Syntax highlighting support also includes HTML, INI, JAVA, and TEXT files.

HTMLSCR.TXT
INISCR.TXT
JAVASCR.TXT
TEXTSCR.TXT

2 SQL scripts are for setting up TOAD user schema tables:

TOADPREP.SQL
SQL script to create the TOAD schema, with temp tables and grants to all users to setup functionality such as Explain Plan.

This is useful for multi-user situations where all the developers can reference one schema.

NOTOAD.SQL
Creates temp tables without an external TOAD user schema, replaces the TOADPREP.SQL

This creates temp tables in your current schema.

EXPLAN.SQL
User customizable SQL for showing previous Explain Plan SQL results. You can preview your SQL results before you execute them.

ALIASES.TXT
List of user-defined table aliases
For example, Employee table can be set up as alias EMP.

PLSQL.DCI
Code completion templates activated in the SQL Edit or Procedure Edit window by typing a couple of letters and <CTRL> + <SPACE> or to access the whole list press <CTRL> + <SPACE>

The user can customize the file by manually editing PLSQL.DCI with notepad
or
From the edit menu – Editor Options dialog tab for editing code templates.

Code completion templates support also includes HTML, INI, JAVA, and TEXT files.

HTML.DCI
INI.DCI
JAVA.DCI
TEXT.DCI

TOADPROFILER.SQL
Script available in Oracle 8i. Sets up profiler analysis.
As TOAD runs a procedure, the profiler keeps statistics. It can see where the bottlenecks are so that you can improve them.

TOADSECURITY.SQL
A script that sets up TOAD security features.
It enables or disables certain buttons or functions.

For example, it can prevent certain TOAD users from dropping tables.
It does not affect Oracle security, such as object grants or system privileges.

PLSQLSUB.TXT
List of AutoCorrect substitutions.

If you mistype and press <SPACE>, the word you incorrectly typed is autoreplaced if it's in PLSQLSUB.TXT.
Example; *teh* would be replaced with *the*
You can add words by accessing the editor options dialog
or Notepad - PLSQLSUB.TXT.

Other SUB.TXT files are supported for HTML, INI, JAVA, and TEXT files.

HTMLSUB.TXT
INISUB.TXT
JAVASUB.TXT
TEXTSUB.TXT

SCHEMA_DATABASE.LST
Lists of Oracle users for the selected schema/database.

You can use the **View > Oracle Users List** dialog to select which users' schemas you want to see. This saves query time.

TOADSTATS.INI
Warning levels for server statistics window. You can set thresholds for when a warning or error will display.

warning – pink
error – red

If you select server installation, the files TOAD installs on the server include:

TOAD.EXE
TOAD.HLP
REVBASE.DLL

and

SQL Help Templates
New Procedure Templates
Code Completion Templates

in \TEMPS folder

Uninstall

If you uninstall TOAD, it might not totally uninstall. When you use TOAD, you create new TOAD files such as SQL scripts, data output, or temp files. When you run uninstall, TOAD has no way of knowing what those files are. So it won't remove new TOAD files that you've created. You'll have to manually delete them.

Two methods allow you to uninstall TOAD.

1 Using the Start Menu
Click **Start** to display the Start Menu.

Point to **Programs** > **Quest Software** > **Toad** >**Uninstall TOAD**

or

2 Go to **Add/Remove Programs** in Windows and uninstall TOAD.

If a network administrator installs server components they will not be uninstalled. The network TOAD components will have to be manually deleted.

How Uninstalling TOAD works for each of the install types.

TOAD and Personal Configuration Files to PC – Uninstall uninstalls everything from your PC.

Personal Config Files to PC, read TOAD from Network Server – Uninstall only deletes client files. With this type of install the TOAD.EXE and TOAD.HLP files were installed on a server. The files on the server will have to be manually deleted.

TOAD to Network Server – This is run by a network administrator. TOAD.EXE and TOAD.HLP files were installed on the server. An install log was not created and it did not create an uninstall. This was intentional. If a network administrator decided to uninstall TOAD, this would affect all the workstations. So, network TOAD files must be manually deleted.

So, when network installation is involved, remember that any TOAD components that are installed on the server cannot be uninstalled. They will have to be manually deleted. When TOAD files are installed on the server they always include TOAD.EXE and TOAD.HLP. TOAD files on the client (workstation) can be uninstalled.

Registration

This chapter discusses how to register trial and commercial versions of TOAD. This chapter also covers the purchase procedure for TOAD.

Trial Version Registration

Before you register the trial version of TOAD you need your registration key. The PL/SQL Debugger and DBA modules are activated in the trial key.

To Start Trial TOAD

1. Start TOAD.
2. The **Product Authorization** window displays.
3. Click in the **Product Authorization** textbox.
4. Enter the software registration key number.

If you have previously used a TOAD trial key you will get an “Invalid Key” message. A trial key can only be used once, even between different versions of TOAD.

Registration Key

If your registration key has not been activated after a certain time period, it expires. This is to ensure that you are not evaluating an old copy of TOAD. We want users to have the latest and greatest copy to evaluate. So, if your unactivated key expires, download the latest trial copy and get your new registration key, or call Quest Sales at 949-754-8000 for a trial extension.

If you are satisfied with the trial version and want to purchase the commercial license key, refer to the next section. Remember, you'll need to update your license key through **Help** > **Register TOAD**.

Purchase

To purchase the latest version or place a large order you can either contact Quest Sales at 949-754-8000 to discuss payment options

or

Visit the Quest Software Web site at www.quest.com .

You'll receive a temporary key in the download.

After your order is processed, your permanent license key is sent to you. Then go to the **Help** menu, click **Register TOAD**, and enter your new authorization key number, also known as the license or registration key number. Enter the Site Message such as Company Name. In the future, when you download upgrades from the Quest Web page you'll need the license key number. Select **Help** > **Register TOAD**, highlight your number from the authorization key number box, **Copy**, and **Paste** the number.

NOTE: You may need to restart TOAD to reinitialize your options and enable all functions.

Product authorization errors

The following table shows steps that you can take when encountering an authorization problem or error in TOAD.

Error Message	Explanation and Possible Solution
"Authorization string has expired."	This occurs when the trial authorization for TOAD has expired. If the trial date has not passed, check that the date on your system is set correctly.
"Invalid authorization string or site message."	This indicates that the authorization string or the site message has not been entered correctly. Make sure that they have been entered exactly. The site message is case sensitive. If you try to use a trial key more than once you will get an Invalid Key message because trial keys can only be used once.

Features

This chapter introduces you to a few of TOAD's many features. To learn more about these or any other feature refer to TOAD Help and the *TOAD User's Guide*.

SQL Editor

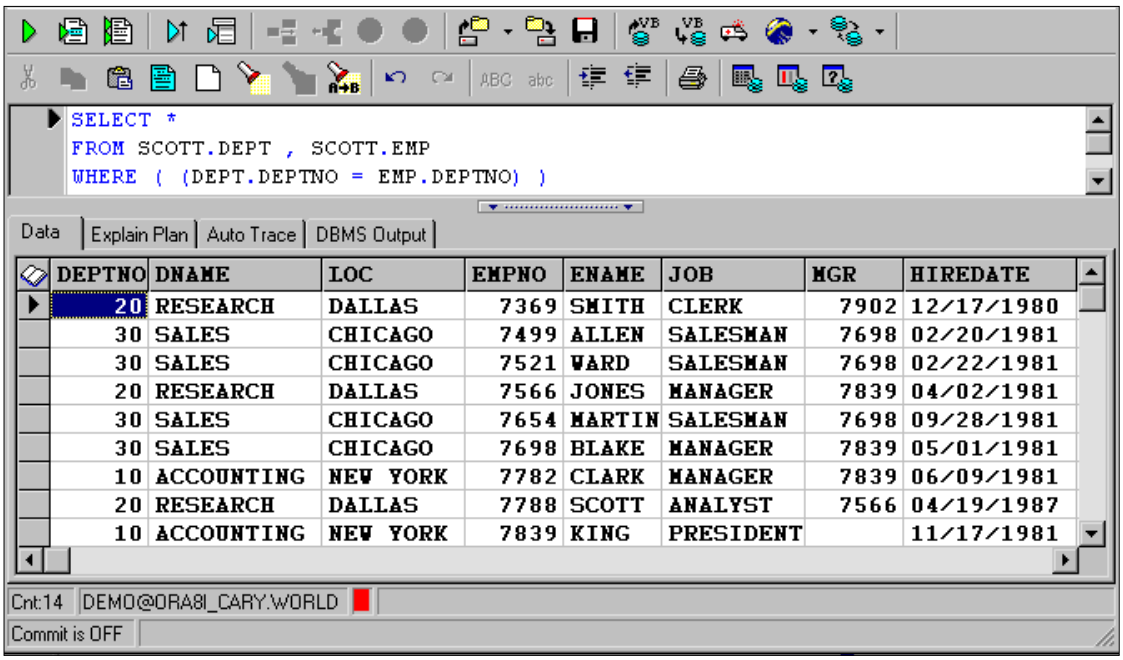
The SQL Editor lets you type, execute, and tune SQL statements. The SQL window contains a SQL Editor and a results grid for viewing fetched data.

The window supports standard windows editing commands but includes other functions such as a gutter for quick multi-line text selection, programmer style double-click highlighting, and syntax highlighting of categories, keywords, table names, and more.

The data grid displays the results of SELECT statements. It is user configurable with resizable and moveable columns, ability to export data to the clipboard or disk, support for LONG and LONG RAW columns, and more. If the dataset is editable, additional buttons on the toolbar are enabled (insert, delete, post updates, and more).

3 ways to invoke the SQL Edit Window

- Click the first button in TOAD's main toolbar.
- Select menu item **Database** > **SQL Editor.**
- Set the SQL Editor to StartUp on new connection in the **View** > **Options** dialog.



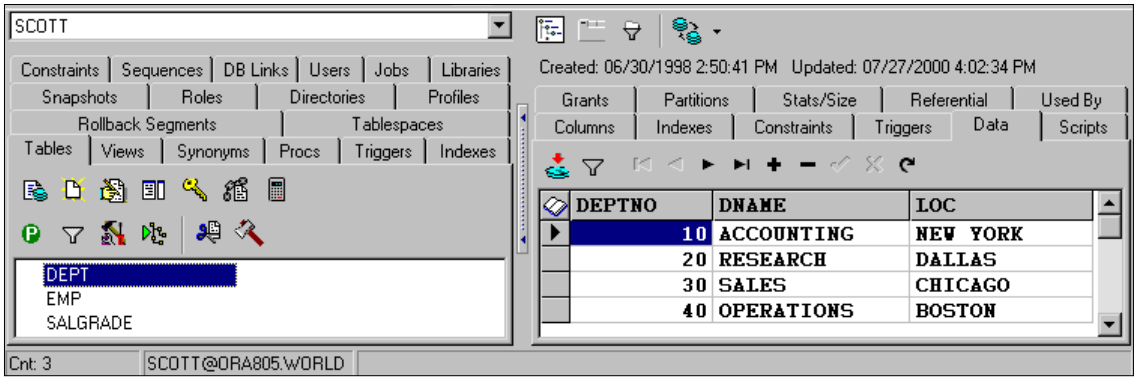
The SQL Edit window displays the query in the upper portion of the screen and the corresponding select statements results in the lower results grid.

Schema Browser

The Schema Browser separates database objects by type, using tabs. So, you can quickly view all objects of one type with a single click of the mouse. You'll find it a nice change from other database navigation tools which are often slow, cumbersome, and burdened with excessive graphics. It also lets you compare details between objects of the same type with one click. Keyboard users can easily use the scroll keys to perform the same tasks.

3 ways to invoke the Schema Browser window

- Click the second button in TOAD's main toolbar.
- Select menu item **Database** > **Schema Browser.**
- Set the Schema Browser to StartUp on new connection in the **View** > **Options** dialog.



Here, a click on the DEPT table on the Tables tab in the left panel displays the details about the DEPT table on the Data tab in the right panel.

Procedure Editor

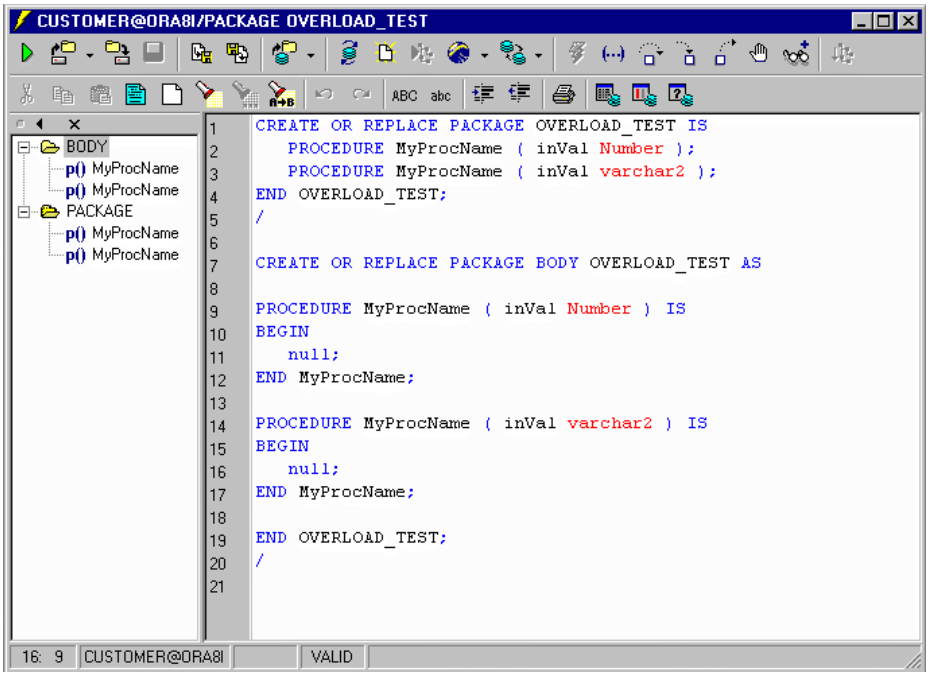
The Procedure Editor lets you edit, compile, test, and debug stored procedures and triggers.

By clicking on the right mouse button or pressing **F10** you access a context menu with numerous options such as Set Bookmark, Uncomment Block, Format Statement, and Show Edit Toolbar.

A unique feature of the Procedure Editor is its source *check in* and source *check out* buttons. The source you are typing can be directly checked in and out of SourceSafe or another source control provider.

3 ways to invoke the Procedure Editor window

- Click the third button on TOAD's main toolbar.
- Select menu item **Database** > **Procedure Editor**.
- Set the Procedure Editor to StartUp on new connection in the **View** > **Options** dialog.



Options Menu

To access the Options Menu select **View > Options.** Click a topic from the left panel and options for that topic appear in the right panel. Click in the boxes or on the item text to check or uncheck the options. Keyboard users can press the Tab key to move from the left panel to the right panel and press <SPACE> to check or uncheck boxes.

The Options are:

- General
- Oracle
- SQL Editor
- Data Grids
- Procedure Editor
- Editors
- StartUp
- Schema Browser
- Files
- Debugging
- Object Browser
- Source Control
- Printing
- DBA
- Data Types
- Parser Scripts
- New Proc Templates
- Monitor
- Executables
- SQL Modeler

TOAD Help

To access TOAD **Help** while in TOAD, simply press the **F1** key. TOAD **Help** includes contents, a searchable index, and details on TOAD's features.

Troubleshooting

This chapter discusses troubleshooting installation and connection problems and answers some Frequently Asked Questions.

SQL*Net/Net8 Installation Problems

For SQL*Net/Net8 installation problems, follow these steps:

1. **Determine your ORACLE_HOME value**.
   Check the Registry under HKEY_LOCAL_MACHINE\Software\Oracle
2. **Check to see if you have access to ORACLE_HOME\bin.**
   The most common cause of problems involves the PATH environment variable. ORACLE_HOME\bin must be in your PATH environment variable.
   Confirm you have access to the drive and make sure the Oracle Home folder exists.
   Your PATH should look similar to this:
   PATH=C:\PROGRA~1\MSOFFICE\OFFICE;C:\WINDOWS;C:\ORAWIN95\BIN;
3. **Confirm that the Oracle interface DLL is in the Bin folder**.
   TOAD must have an Oracle interface DLL to connect. It would be ORA*xy*.DLL, where *xy* is the database version you are connecting to. So, for 7.1 it is ORA71.DLL. For 8.0.5 it is ORA805.DLL. For Net8/Oracle8i, the DLL is called ORACLIENT8.DLL. Remember, if this DLL file is not in the bin folder, then TOAD cannot connect.

4 **Look for TNS Admin value.**
The TNS Admin value would be a folder name in the Windows registry. This is an optional folder. If it is not present the default is Oracle_Home\Network\Admin

Open up the TNSNAMES.ORA file. It should be in the Admin folder. Make sure the database alias name you are using is in the TNSNAMES.ORA file.

Cannot connect to Personal Oracle

If you are having trouble connecting to Personal Oracle or creating a SQL*Net alias for PO7 or PO8, then for the database name on the TOAD login window try one of the following entries:

2:
BEQ-LOCAL
LOCAL
TCP-LOOPBACK

For Schema/Passwords try one of the following pairs:

DEMO/DEMO
SCOTT/TIGER
SYS/CHANGE_ON_INSTALL
SYSTEM/MANAGER

Frequently Asked Questions

QUESTION	ANSWER
How do I edit the results of a query?	In the SQL Edit window, the data grid that displays the results of the SQL queries is fully editable providing that the query itself returns an updateable resultset. Query statements MUST return the ROWID to be updateable. For example: select * from employee would not be updateable whereas: select employee.*, rowid from employee would be updateable. To reduce this obvious nuisance, you can substitute "EDIT EMPLOYEE" which TOAD will translate into the updateable version of the statement. For example: edit employee If the resultset should be editable but remains read-only, make sure the **View > Options > Data Grids > Default to Read-Only Queries** option is not checked (not enabled).
Why can't I see all users in the users dropdown lists?	Go to the **View** > **Options > Schema Browser > Only Show Users That Own Objects in DropDown Lists** option. If checked, it will only show users that own objects. Also go to the **View > Oracle User List** which selects a subset of all users.
How can I run multiple copies of TOAD at the same time?	Check the **View** > **Options > General** > **Allow Multiple Copies of TOAD to be loaded** checkbox.
How do I get the PL/SQL Debugger to work?	Purchase the TOAD PL/SQL Debugger option from www.quest.com. Plug in your new License Key into the **Help > Register TOAD** dialog. Close and reopen TOAD to reinitialize the License Key option settings.
Can you see the SQL that TOAD executes?	Yes. See **Tools > Spool SQL > to Screen** or **to File**.

QUESTION	ANSWER
How can I set TOAD to commit automatically after every SQL statement I execute?	See menu item **View** > **Options**. On the **Oracle** node, check the **Commit Automatically After Every Statement** checkbox. This is a session level setting which means it affects not only the current SQL Edit window but all other windows sharing the same session. When checked, this option forces an automatic COMMIT to be sent following every statement. When not checked, the user must manually perform commits when desired. If you attempt to close TOAD without auto commits, TOAD will ask you if you want to perform a commit.
How can I cancel long running queries?	See menu item **View** > **Options**. On the **SQL Editor** node, check the **Process Statements in Threads/Allow Queries to be Cancelled** checkbox. If checked, TOAD will issue each query in a separate thread. This will show the <Cancel> button on the SQL Edit window toolbar to the right of the Change Active Session button, and will permit the user to cancel a long running query.
How can I improve the Oracle Dictionary query performance?	If you have the DBA Role or have been granted select privileges to DBA_xxx Views or have the **Select any table system privilege** you can check the **Check for Access to DBA Views** checkbox in **View** > **Options**, **StartUp** node. TOAD will then query the Oracle Dictionary using the DBA_ views, e.g., “select * from dba_tab_columns” which is a lot faster than “select * from all_tab_columns” because the DBA_ views do not contain any security features.
How can I limit TOAD's object altering capabilities?	You can either make TOAD read-only by copying READONLY.LIC over TOAD.LIC, or revoking system privs, e.g., "create table" from those user accounts, or install TOAD Features Security by running script TOAD\temps\TOADSecurity.sql, then administer the lists of who can execute which function in the **Database** > **TOAD Security** dialog.
How do you improve the performance of saving the SQL results grid to a file?	See the **View > Options** dialog, **Data Grids** node. Check the **Clone SQL cursor when exporting grid contents** checkbox. TOAD will then use a read ahead only cursor, which uses less resources, and does not have to interact with the grid as it traverses the records.

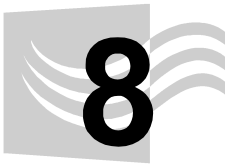
You can get help from the Quest Software Web site at
http://www.quest.com/support/index.html

Products Available

This chapter lists optional products that work with and enhance TOAD.

Quest Software offers the following products. For more information on any of these products go to www.quest.com or contact Quest sales at 1-800-306-9329. You can also send email to info@quest.com.

- TOAD PL/SQL Debugger (see the **PL/SQL Debugger** chapter of the *TOAD User's Guide*)
- TOAD DBA (see the **DBA** chapter of the *TOAD User's Guide*)
- SQLab Xpert™
- SQL Impact™
- PL/Formatter
- Formatter Plus
- Knowledge Base for Active PL/SQL Development
- Knowledge Base for Oracle Administration



About Quest Software

Quest Software, Inc. is a leading provider of performance management solutions designed to maintain the integrity of mission-critical business transactions and maximize the performance of enterprise applications. Our solutions address the needs of today's 24x7x365 businesses where demands on the information technology infrastructure are high and tolerance for downtime is low.

The Internet has propagated the expectation of instant access to information, and Quest delivers *nonstop software for nonstop business*™ to meet this demand.

Founded in 1987, Quest Software now helps more than 100,000 users achieve the best possible performance from their enterprise systems so the end user experience is a positive one. Based in Irvine, California, Quest Software has offices worldwide and over 1,000 employees. For more information, visit www.quest.com.

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Technical Support

If you have questions about using TOAD, and you can't find the answers in the *TOAD User's Guide* or the Help files please contact the technical support staff. The **Help > Support > Email** menu item opens your email application with a pre-addressed email. It automatically includes information about the version of TOAD you are running. This information helps the technical support staff. You can then type in information about your question or problem in the body of the letter. If your question is about an error message, include the error text as well.

The **Help > About** window displays technical support contact information including telephone numbers and your version number. When you contact technical support they will need to know what version of TOAD you are using.

Email: support@quest.com

You can create your own support calls online at www.quest.com/support
If you create support calls online, you will also be able to check the status and update your own calls online.

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