



# Embarcadero SQL Debuggers 7.0 New Features Guide

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## 1. Introduction

This document covers the enhancements included in version 7.0 of the Embarcadero SQL Debuggers.

## 2. SQL Debuggers 7.0 New Features Summary

The following is a quick summary of all new enhancements found in the SQL Debuggers 7.0

Platform	Feature
DB2 UDB	New Debugger for DB2 UDB Available
Oracle	Ref Cursor Support Large Object Support
Sybase	Temp Table Support Ad-hoc Transact SQL Script Debugging
SQL Server	Ad-hoc Transact SQL Script Debugging
All	Statistical Profiler

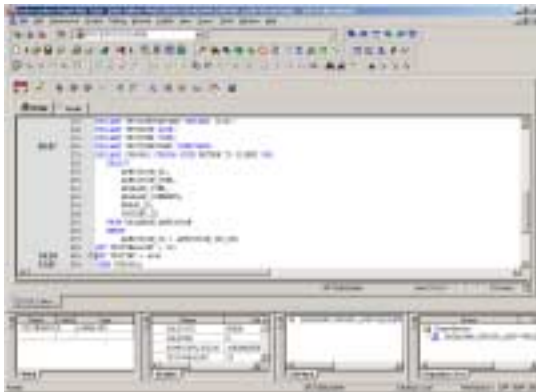
## 3. SQL Debuggers 7.0 New Features Detail

The following covers each new SQL Debugger 7.0 feature in detail.

### 3.1 DB2 UDB

#### 3.1.1 New DB2 UDB Debugger

Version 7.0 of the debuggers introduces a new debugger for the DB2 UDB platform. The DB2 UDB debugger allows DBAs and Developers to debug SQL stored procedures that are written for DB2 UDB version 7.02 and higher.



*The new DB2 UDB debugger allows DBAs and developers to debug SQL stored procedures from within either DBArtisan or Rapid SQL.*

All the features found in the SQL Debuggers for the Oracle, Sybase, and Microsoft SQL Server platforms can be found in the new DB2 UDB debugger. Setting conditional breakpoints, stepping into and out of dependent objects, viewing and editing variables, along with much more is available in the DB2 UDB debugger.

### 3.2 Oracle

#### 3.2.1 Ref Cursor Support

The 7.0 version of the Oracle SQL Debugger now allows code objects to be debugged that contain ref cursors.

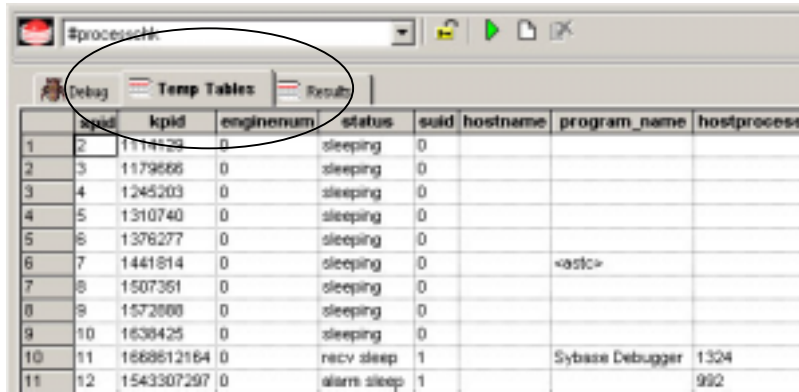
#### 3.2.2 Large Object Support

Large objects (Oracle BLOB's, CLOB's, LONG's, etc.) are now handled in the version 7.0 SQL Debugger during a debugging session, and the contents of a large object column may be viewed in any result set.

### 3.3 Sybase

#### 3.3.1 Temp Table Support

Version 7.0 of the SQL Debugger offers support for Sybase temp tables. When debugging code that references temp tables, the DBA or developer can view the contents of any temp table contained within the code.



	pid	kpid	enginenum	status	suid	hostname	program_name	hostprocess
1	2	1114129	0	sleeping	0			
2	3	1179686	0	sleeping	0			
3	4	1245203	0	sleeping	0			
4	5	1310740	0	sleeping	0			
5	6	1376277	0	sleeping	0			
6	7	1441814	0	sleeping	0		<stc>	
7	8	1507351	0	sleeping	0			
8	9	1572888	0	sleeping	0			
9	10	1638425	0	sleeping	0			
10	11	1688612164	0	rcv sleep	1		Sybase Debugger	1324
11	12	1543307297	0	alarm sleep	1			992

*A new feature of the 7.0 SQL Debugger is temp table support for Sybase temp tables.*