



## **Rapid SQL 7.5 New Features Guide**

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## New Features Summary

### Object Editor Enhancements

Object editors are database platform and object-specific dialogs in Rapid SQL that provide users with an interface for modifying datasource objects, without having to manually script code when modifying existing objects or creating new ones.

These tabbed dialogs provide the ability to move between the management of different datasource platforms effortlessly and modify catalog, syntax, and alteration rules.

The Rapid SQL 7.5 object editors have been greatly improved upon, and now provide additional command support for editing datasource objects, as well as increased platform support for specified editors.

Name	# Rows
dbo.articol_garantie	0
dbo.articol_inchiriat	0
dbo.articol_inventariat	0
dbo.articol_subinchiriat	0
dbo.asigurare	0
dbo.casare	0
dbo.categorie	28
dbo.clasa	3
dbo.client	9
dbo.conservare	0
dbo.doc_insotitor	4
dbo.furnizor	7
dbo.garantie	3
dbo.gestionar	2
dbo.inchiriere	0
dbo.inventariere	3
dbo.judet	4
dbo.linie_fact	0
dbo.localitate	8
dbo.mfx_inchiriat	0
dbo.mfx_ob_inv	0
dbo.mfx_propriu	0
dbo.miscare	0
dbo.modernizare	0

Object Editors provide an interface for displaying and modifying datasource objects without the need to manually create SQL scripts.

The following table lists the additional functions and platforms, per object type, by platform:

Object Editor Type	Supported DBMS and New Commands
<b>Function Editors</b>	<p><b>SQL Server</b></p> <ul style="list-style-type: none"> <li>○ Rename</li> </ul> <p><b>Oracle</b></p> <ul style="list-style-type: none"> <li>○ Compile</li> <li>○ Debug</li> <li>○ Create Synonym</li> <li>○ Execute</li> <li>○ Describe</li> </ul> <p><b>DB2 LUW</b></p> <ul style="list-style-type: none"> <li>○ Describe</li> </ul>
<b>Procedure Editors</b>	<p><b>All Supported Platforms (SQL Server, Oracle, DB2 LUW, DB2 OS390, Sybase)</b></p> <ul style="list-style-type: none"> <li>○ All commands</li> </ul>
<b>Primary Key Editors</b>	<p><b>SQL Server</b></p> <ul style="list-style-type: none"> <li>○ Rename</li> </ul> <p><b>Sybase</b></p> <ul style="list-style-type: none"> <li>○ Rename</li> </ul>
<b>Unique Key Editors</b>	<p><b>SQL Server</b></p> <ul style="list-style-type: none"> <li>○ Rename</li> </ul> <p><b>Sybase</b></p> <ul style="list-style-type: none"> <li>○ Rename</li> </ul>
<b>View Editors</b>	<p><b>SQL Server</b></p> <ul style="list-style-type: none"> <li>○ Build Query</li> <li>○ Rename</li> <li>○ Describe</li> <li>○ Schema</li> <li>○ Select * From</li> <li>○ Indexes</li> <li>○ Triggers</li> </ul> <p><b>Sybase</b></p> <ul style="list-style-type: none"> <li>○ Build Query</li> <li>○ Rename</li> <li>○ Describe</li> </ul>

	<ul style="list-style-type: none"> <li>○ Schema</li> <li>○ Select * From</li> <li>○ Indexes</li> <li>○ Triggers</li> </ul> <p><b>Oracle</b></p> <ul style="list-style-type: none"> <li>○ Build Query</li> <li>○ Rename</li> <li>○ Compile</li> <li>○ Create Synonym</li> <li>○ Describe</li> <li>○ Schema</li> <li>○ Select * From</li> </ul> <p><b>DB2 OS390</b></p> <ul style="list-style-type: none"> <li>○ Create Alias</li> <li>○ Create Synonym</li> <li>○ Build Query</li> <li>○ Select * From</li> </ul>
<b>Index Editors</b>	<p><b>SQL Server</b></p> <ul style="list-style-type: none"> <li>○ All DBCC commands</li> </ul> <p><b>Sybase</b></p> <ul style="list-style-type: none"> <li>○ All DBCC commands</li> </ul> <p><b>Oracle</b></p> <ul style="list-style-type: none"> <li>○ Rebuild</li> <li>○ Rename</li> </ul>
<b>Check Constraint Editors</b>	<p><b>All Supported Platforms (SQL Server, Oracle, DB2 LUW, DB2 OS390, Sybase)</b></p> <ul style="list-style-type: none"> <li>○ All commands</li> </ul>
<b>Trigger Editors</b>	<p><b>All Supported Platforms (SQL Server, Oracle, DB2 LUW, DB2 OS390, Sybase)</b></p> <ul style="list-style-type: none"> <li>○ All non-DBCC commands</li> </ul>
<b>Stored Outline Editors</b>	<p><b>All Supported Platforms (SQL Server, Oracle, DB2 LUW, DB2 OS390, Sybase)</b></p> <ul style="list-style-type: none"> <li>○ All commands</li> </ul>

In addition to new commands support, the object editors in Rapid SQL 7.5 provide additional capabilities that enable users to view the permissions associated with the objects listed in the editors. This provides additional editing capabilities from within an object editor.

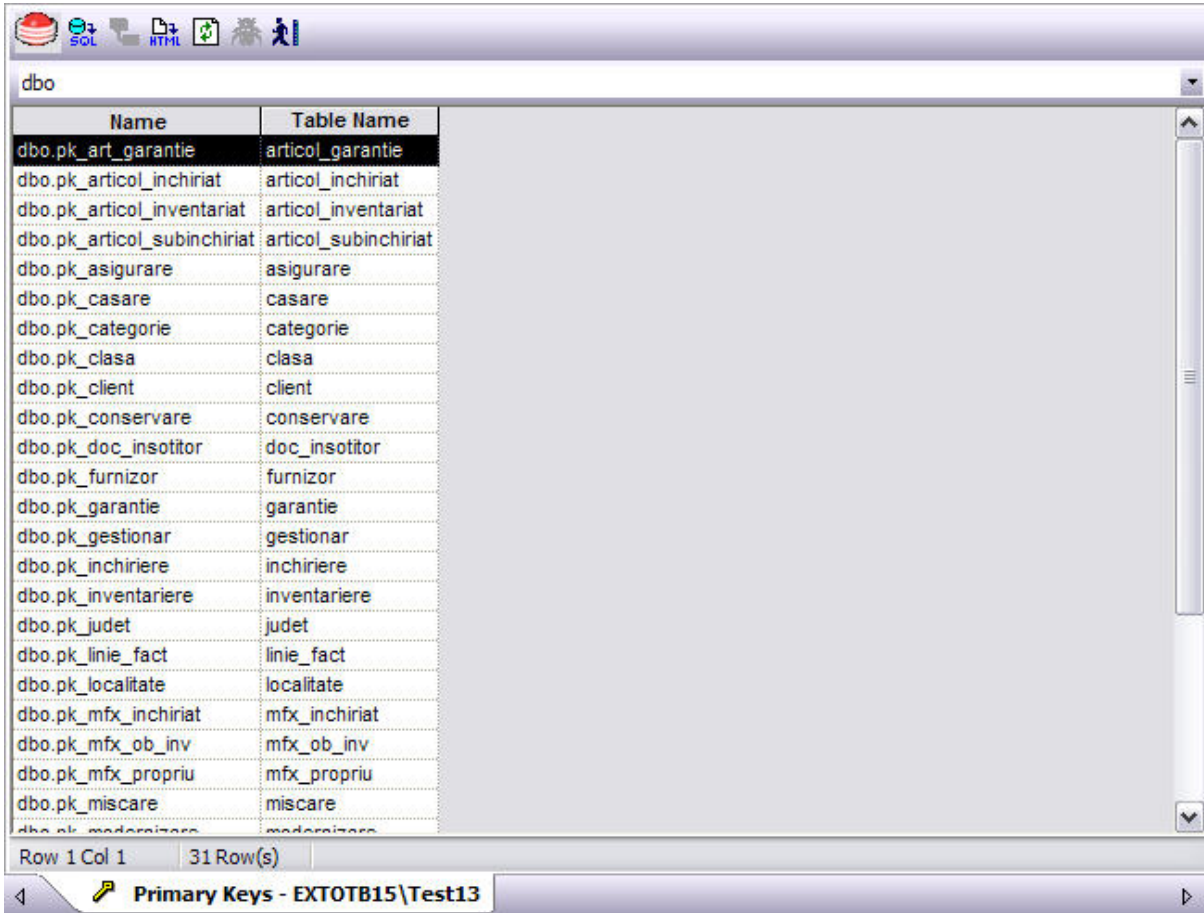
The Rapid SQL 7.5 object editors now provide additional command support for object permission viewing platform types and commands.

The following commands, by datasource type, are now supported for object permission viewing:

- **SQL Server** (View, Procedure, Function)
- **Sybase** (View, Procedure, Extended Procedure)
- **Oracle** (View, Procedure, Function)
- **OS390** (View)

## DB Artisan Functionality

Rapid SQL 7.5 has been enhanced to incorporate the functionality of DB Artisan 8.1.3 and DB Artisan 8.5 functionality, primarily with regards to the object editors. This strengthens Rapid SQL with further datasource object modification options, and provides greater flexibility when maintaining the enterprise.



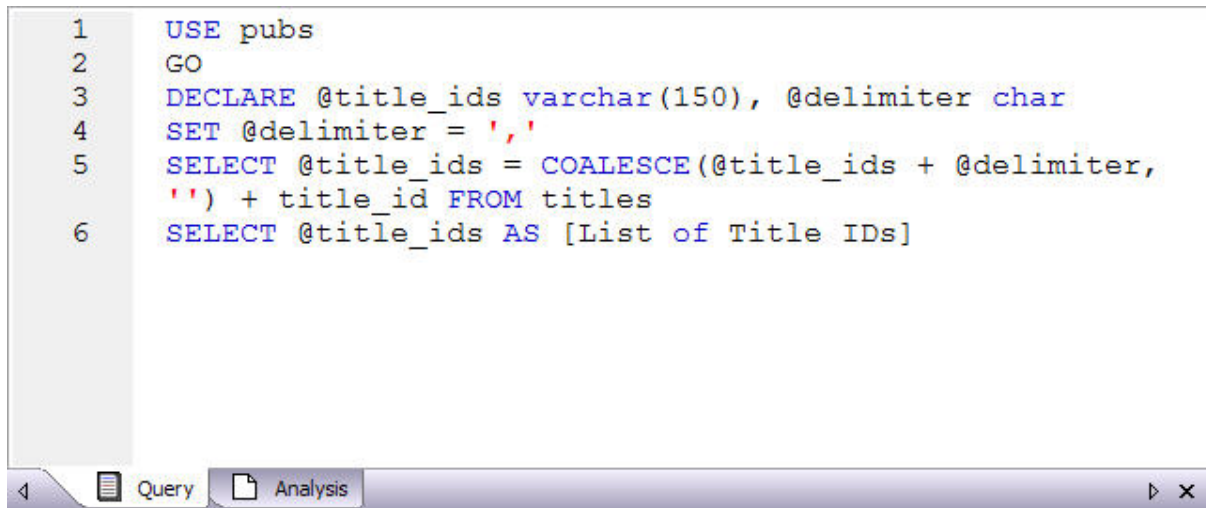
DB Artisan features such as the Primary Keys Editor are now included in the Rapid SQL Object Editor Suite.

Rapid SQL 7.5 integrates key DB Artisan features including:

- **Primary Keys Editor:** The Primary Keys editor provides users with the ability to modify the settings and options of existing primary key datasource objects. This includes the ability to specify primary key columns, manage space allocations, properties, partitions, and storage criteria, and display page and row statistics, as appropriate for DBMS types.
- **Unique Keys Editor:** The Unique Keys editor enables users to modify the settings and options of existing unique key datasource objects. It provides the ability to manage columns, storage, and partitions, view page and row statistics, view space allocations for unique keys, and modify unique key properties, as appropriate for DBMS types.
- **Indexes Editor:** Index Editors for DB2 LUW and DB2 OS390 have been incorporated into the Rapid SQL 7.5 Object Editor suite. This provides additional support for Indexes on those datasource platforms.
- **Triggers Editor:** Trigger Editors for Oracle and DB2 LUW datasource platforms have been incorporated into the Object Editor suite. Trigger editors provide additional support for trigger objects on Oracle and DB2 LUW datasource platforms.
- **Sybase Aliases Editor:** The DB Artisan Alias editor provides the ability to modify and manage alias objects for Sybase datasource platforms.
- **Systems Privileges Tab:** The Systems Privileges tab has been added to Rapid SQL 7.5's object editors. This tab provides the ability to grant and revoke datasource object privileges to and from the datasource objects a user is working with in an object editor, as appropriate.
- **Table Editors:** Table editors have been added to Rapid SQL 7.5's object suite. The tab provides the ability to modify tables on Sybase, DB2 LUW, DB2 OS390, SQL Server, and Oracle datasource platforms.

## iSQL Dialog Interface

An iSQL window is now provided when executing procedures or otherwise running SQL scripts in Rapid SQL 7.5.

The image shows a screenshot of the iSQL Dialog Interface window. The window has a title bar with a back arrow, a 'Query' tab, an 'Analysis' tab, and a close button. The main area contains the following SQL code:

```
1  USE pubs
2  GO
3  DECLARE @title_ids varchar(150), @delimiter char
4  SET @delimiter = ','
5  SELECT @title_ids = COALESCE(@title_ids + @delimiter,
6  '' ) + title_id FROM titles
7  SELECT @title_ids AS [List of Title IDs]
```

The iSQL window provides an interface for viewing, modifying, and updating SQL code.

The window provides an interface for viewing code as it executes, and negates the need or effort to check log files to inspect scripts whenever an error occurs or a procedure is finished its execution.

## Temporary Database Support

A graphical interface is provided for creating and dropping SQL Server temporary databases within Rapid SQL 7.5.

Temporary databases are used during the development process to store temporary data such as result sets and sort tables.

The temporary database interface in Rapid SQL 7.5 enables users to view both temporary databases and existing databases within a datasource, and bind applications and active login sessions to specific databases. Additionally, it fully supports all temporary database commands such as drop and create.

## Results View Enhancements

The **Results View** has been redesigned to support a consistent look and feel across DBMS and object types, a more unified and understandable approach to object viewing, and otherwise provide an improved viewing experience when using the tab.

### **Sybase Support**

Rapid SQL 7.5 fully supports Sybase 15 and provides the following benefits/improvements to users requiring the ability to manipulate the objects of the Sybase 15 datasource:

- Columns can be designated as an identity for any of the appropriate datatypes.
- Data queries, as well as the ability to create and edit columns, and syntax highlighting displays for uniText, bgint, and unsigned object types.
- The character maximum for object names has been expanded to a 255 character maximum.
- Full support for the following protocol and communication types:
  - Kerberos authentication support.
  - JDBS connections for systems registered in the sql.ini file by alias name.
  - JDBC connections made over Single Source Login (SSL).
  - System Analyst when monitoring a datasource via Kerberos authentication protocols.

### **SQL Server Support**

Rapid SQL 7.5 supports SQL Server 2005 and provides the following benefits/improvements to users requiring the ability to manipulate the objects of the SQL Server 2005 datasource:

- Columns, and VARCHAR(MAX), NVARCHAR(MAX), and VARBINARY(MAX) can be created and defined.

### **DB2 Support**

Rapid SQL 7.5 now supports DB2 and provides the following benefits/improvements to users requiring the ability to manipulate the objects of the DB2 datasource:

- Report creation for DB2 views.
- Grant and revoke privileges from DB2 views.
- Supports indexes, index specifications, methods, routines, and user-defined functions with 128.byte identifiers.
- Populates indexes without referencing the COLNAMES column in SYSCAT.INDEXES.

## Additional Resources

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