DBArtisan 8.5 New Features Guide

Published: October 2, 2007

Embarcadero Technologies, Inc.

100 California Street, 12th Floor

San Francisco, CA 94111 U.S.A.

This is a preliminary document and may be changed substantially prior to final commercial release of the software described herein.

The information contained in this document represents the current view of Embarcadero Technologies, Inc. on the issues discussed as of the date of publication. Because Embarcadero must respond to changing market conditions, it should not be interpreted to be a commitment on the part of Embarcadero, and Embarcadero cannot guarantee the accuracy of any information presented after the date of publication.

This reviewers guide is for informational purposes only. EMBARCADERO MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AS TO THE INFORMATION IN THIS DOCUMENT.

Complying with all applicable copyright laws is the responsibility of the user. Without limiting the rights under copyright, no part of this document may be reproduced, stored in or introduced into a retrieval system, or transmitted in any form or by any means (electronic, mechanical, photocopying, recording, or otherwise), or for any purpose, without the express written permission of Embarcadero Technologies, Inc..

Embarcadero may have patents, patent applications, trademarks, copyrights, or other intellectual property rights covering subject matter in this document. Except as expressly provided in any written license agreement from Embarcadero, the furnishing of this document does not give you any license to these patents, trademarks, copyrights, or other intellectual property.

© 2007 Embarcadero Technologies, Inc. All rights reserved.

Embarcadero Technologies, Inc., and all of the company's products are either registered trademarks or trademarks of Embarcadero Technologies, Inc. in the United States and/or other countries.

The names of actual companies and products mentioned herein may be the trademarks of their respective owners.

Contents

NEW FEATURES SUMMARY 4

New Object Editors and Wizards implementation 4

Improvements to SQL Editor components and the underlying SQL Engine 4

Schema Migration/Extraction enhancements 4

Additional currency features 4

Bug fixes and general improvements 4

TOP NEW FEATURES 5

New object editors and wizards implementation 5

Improvements to SQL Editor components and the underlying SQL Engine 6

Migration and Extraction 7

Additional Currency Features 8

Bug fixes and general improvements 8

ADDITIONAL RESOURCES 9

Licensing Your Embarcadero Technologies Product 9

Embarcadero Technologies Product Support 9

Embarcadero Technologies Technical Support 9

Embarcadero Technologies on the Web 9

New Features Summary

New Object Editors and Wizards implementation

DBArtisan 8.5 continues the reworking of the object editors and wizards. Aimed at improving workflow and the user interface experience, the new editors and wizards adopt a .NET look and feel, and are being reworked for consistency.

Improvements to SQL Editor components and the underlying SQL Engine

A new results view grid has been implemented. Display options now allow you to switch between HTML, grid, and ASCII views. In addition, the locking mechanism so that locking a query/results window to a datasource remains in effect until you disable the lock, regardless of datasource changes in other windows. Lastly, the results view generated on Select * From functionality, and the Script Execution Facility, is now accompanied by an ISQL editor tab that lets you view and work with the SQL source.

Schema Migration/Extraction enhancements

Options new for 8.5 optimize several aspects of schema extraction and migration. These include an option to determine dependencies by text parsing, a USE statement option, the ability to execute SQL statements before and after procedure or function extraction, and integration of DT/Engine.

Additional currency features

For each supported DBMS, DBArtisan has been upgraded to take advantage of features previously unsupported. Highlights include DB2 table partitioning, Oracle RAC and Automatic Memory Management support, support for Microsoft SQL Server schema objects, 2005 permissions, and new LOB datatypes, and new Sybase datatypes and security features.

Bug fixes and general improvements

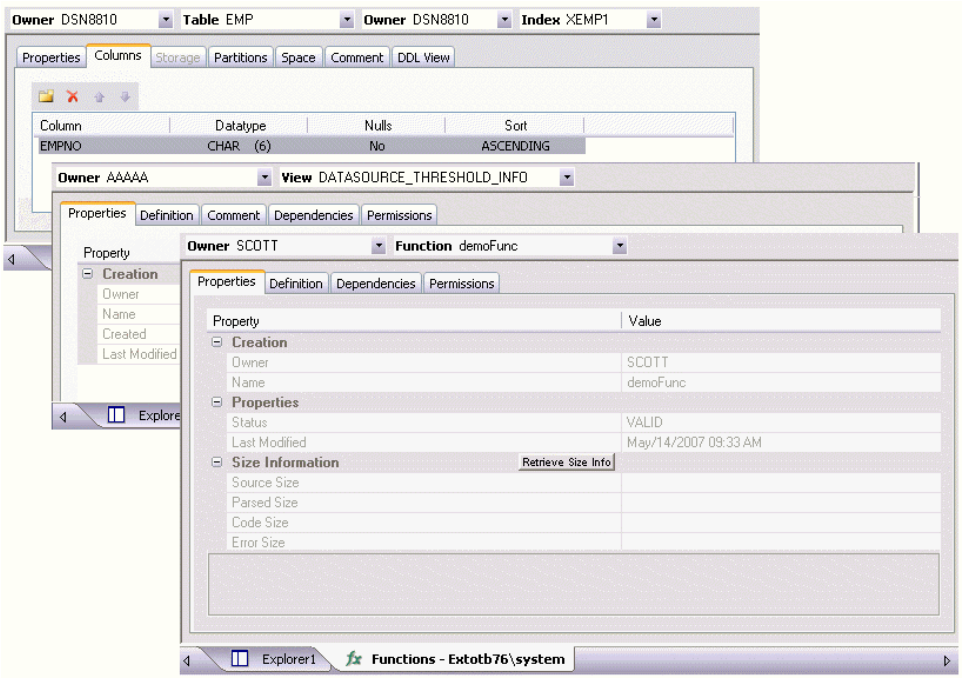
The most significant general improvement is to performance when working with large results sets.

Top New Features

New object editors and wizards implementation

For 8.5, Embarcadero continues to revamp the Object Editors and Wizards. Continuing with the approach to MySQL support, 8.5 offers new editors and wizards for all supported DBMS. In addition to adopting a .NET look and feel, the reworked editors and wizards provide the following benefits:

- **Consistency across DBMS and among object types** – Property and option availability has been improved through reorganizing the tabs of editors and wizards. Basic organization, grouping of properties and options, and consistent labeling have been improved to produce a common look across all editor and wizard types.



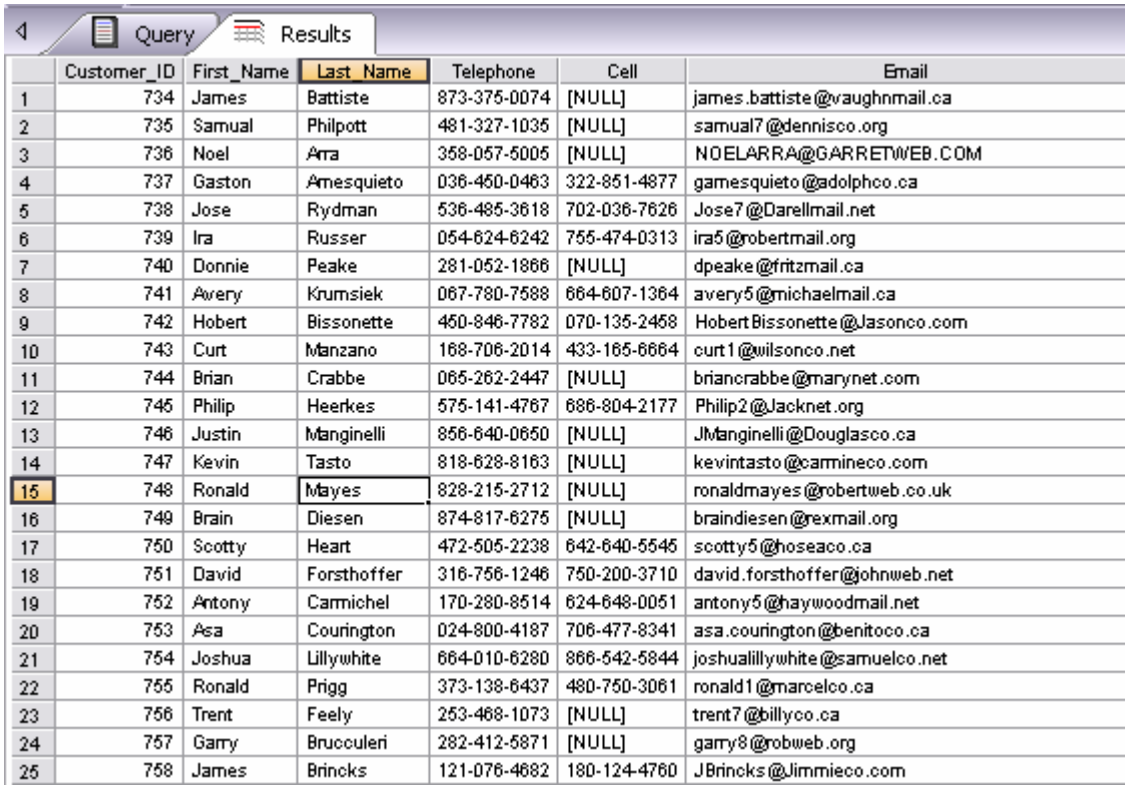
- **Presentation –** In addition to consistent terminology and a unified approach, use of real estate in dialogs and panes has been improved.

- **Expanded feature support** – The most common customer feedback items are requests for additional support for features offered by each DBArtsan-supported DBMS. For a detailed listing of newly supported features, see Additional Currency Features, below. Most notable for this release are support for the Microsoft SQL Server Schema object and additional support for DB2 tables, particularly partitioning.

In general, the editors and wizards have been reworked to improve workflow and provide a more predictable user interface experience.

Improvements to SQL Editor components and the underlying SQL Engine

The SQL engine has been upgraded to improve stability and performance. The most visible change is a reimplemented grid in the results view. The new grid provides a cleaner look and provides additional display options.



	Customer_ID	First_Name	Last_Name	Telephone	Cell	Email
1	734	James	Battiste	873-375-0074	[NULL]	james.battiste@vaughnmail.ca
2	735	Samual	Philpott	481-327-1035	[NULL]	samual7@dennisco.org
3	736	Noel	Arra	358-057-5005	[NULL]	NOELARRA@GARRETWEB.COM
4	737	Gaston	Amesquieto	036-460-0463	322-851-4877	gamesquieto@adolphco.ca
5	738	Jose	Rydman	536-485-3618	702-036-7626	Jose7@Darellmail.net
6	739	Ira	Russer	054-624-6242	755-474-0313	ira5@robertmail.org
7	740	Donnie	Peake	281-052-1866	[NULL]	dpeake@fritzmail.ca
8	741	Avery	Krumsiek	067-780-7588	664-607-1364	avery5@michaelmail.ca
9	742	Hobert	Bissonette	450-846-7782	070-135-2458	HobertBissonette@Jasonco.com
10	743	Curt	Manzano	168-706-2014	433-165-6664	curt1@wilsonco.net
11	744	Brian	Crabbe	065-262-2447	[NULL]	briancrabbe@marynet.com
12	745	Philip	Heerkes	575-141-4767	686-804-2177	Philip2@Jacknet.org
13	746	Justin	Manginelli	856-640-0650	[NULL]	JManginelli@Douglasco.ca
14	747	Kevin	Tasto	818-628-8163	[NULL]	kevintasto@carmineco.com
15	748	Ronald	Mayes	828-215-2712	[NULL]	ronaldmayes@robertweb.co.uk
16	749	Brain	Diesen	874-817-6275	[NULL]	braindiesen@rexmail.org
17	750	Scotty	Heart	472-505-2238	642-640-5545	scotty5@hoseaco.ca
18	751	David	Forsthoffer	316-756-1246	750-200-3710	david.forsthoffer@johnweb.net
19	752	Antony	Carmichel	170-280-8514	624-648-0051	antony5@haywoodmail.net
20	753	Asa	Courington	024-800-4187	706-477-8341	asa.courington@benitoco.ca
21	754	Joshua	Lillywhite	664-010-6280	866-542-5844	joshualillywhite@samuelco.net
22	755	Ronald	Prigg	373-138-6437	480-750-3061	ronald1@marcelco.ca
23	756	Trent	Feely	253-468-1073	[NULL]	trent7@billyco.ca
24	757	Garry	Brucculeri	282-412-5871	[NULL]	garry8@robweb.org
25	758	James	Brincks	121-076-4682	180-124-4760	JBrincks@Jimmieco.com

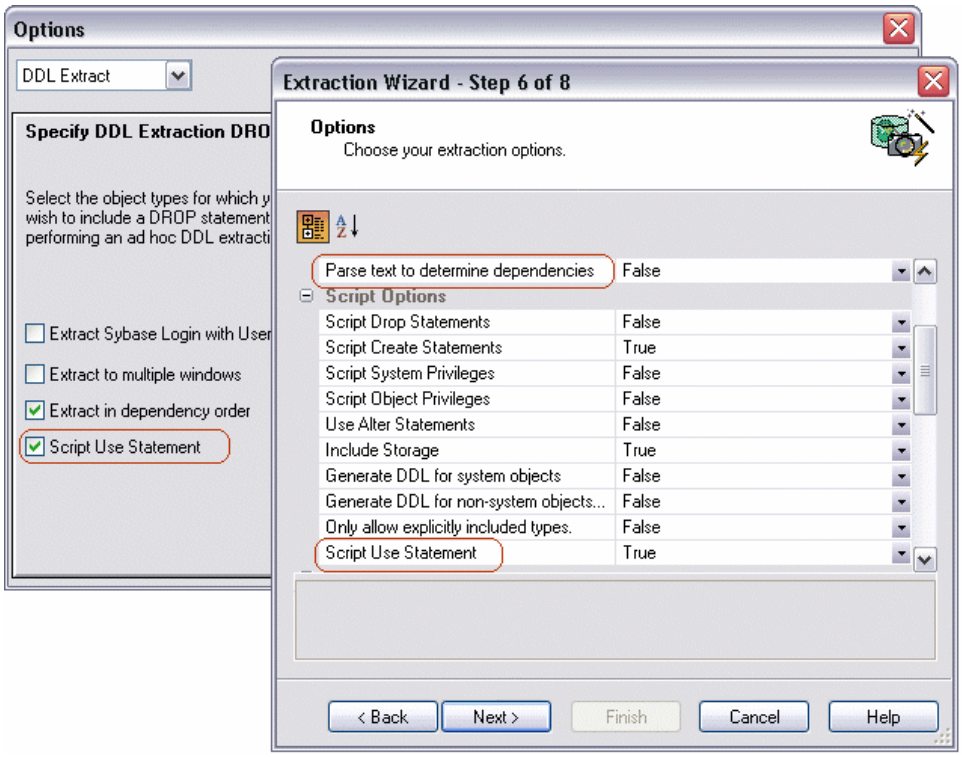
Additional, key functional changes to SQL editing/execution are as follows:

- The lock mechanism has been changed so that it locks the connection from an ISQL window to a datasource/database regardless of datasource choices in other windows. This lets you run multiple queries from the same ISQL window, regardless of other tasks being performed in DBArtisan.
- A new re-execute button, available in the results window, lets you execute a query again without switching to the ISQL window.
- You can change the results view on the on the fly between standard grid, HTML and flat ASCII views.
- On execution using the Script Execution Facility, or use of the Select * From option, the results view is now accompanied by an ISQL editor Query view. This lets you view the executed code without going to the log and provides all ISQL editor functionality after initial execution using those facilities.

Migration and Extraction

For 8.5, improvements to schema extraction and migration include:

- The ability to determine dependencies by parsing text of an object
- For Sybase, extraction offers the option to include a Use statement



- There is now the ability to embed statements within the comments of a stored procedure or function, that will be executed as part of the extraction. This is useful, for example, for creating and dropping temporary tables required by the procedure or function. Tags are provided to have statements executed before or after the function or procedure:

```
create procedure dbo.name(@a numeric) as
/*
<ETStart>SQL statement executed before proc or func< /ETStart>
<ETEnd> SQL statement executed after proc or func </ETEnd>
*/
begin
…
```

Additional Currency Features

In response to customer requests, a number of new or enhanced features are now available.

For DB2, new or improved features are aimed at DB2 Version 9 table features. They include:

- Table partitioning
- Support for multi-dimension clustering and distribution key columns
- A Copy Scheme command allows for quick copy of a database schema and associated objects
- The Reorganize command for tables and the Refresh Table command for Materialized Query tables have been extended to include new options
- An Update Statistics command is now available for views

For Oracle, new features include

- Automatic Memory Management support in Database Monitor and Performance Analyst
- Real Application Clusters (RAC) support in Performance Analyst, the ISQL Editor, the SQL Debugger, and Database Monitor
- A Shrink command is now available for tables and indexes.

For Microsoft SQL Server, new features include:

- Schema object support
- SQL Server 2005 permissions
- Additional LOB datatypes (varchar(max), nvarchar(max), and varbinary(max))
- For logins, when dropping logins you can now simultaneously drop associated users. Similarly, when creating users, you no longer have to associate a login.
- When dropping a database, you can now simultaneously delete the backup and restore history.

For Sybase, new or improved features include:

- SSL and Kerberos security support
- Sybase 15 datatypes
- The Data Load wizard now offers BCP options for functional index and virtual computed columns
- You can now create tables designated as temporary

Bug fixes and general improvements

As with any release, Embarcadero has dedicated effort to fixing bugs, improving performance, and responding to specific customer requests. For 8.5, a key improvement is in the area of working with large results sets. For some DBArtisan customers, it is not unusual to work with results sets of rows that number in the hundreds of thousands. These customers will notice a substantial performance improvement in this area with version 8.5. Storage of large results sets has been optimized to reduce the load on memory.

Additional Resources

Licensing Your Embarcadero Technologies Product

All Embarcadero Technologies products include a 14-day trial period. To continue using the product without interruption, we recommend that you license it as soon as possible. To license your product, use the License Request Wizard found in the Help menu of your respective product. If you have not yet purchased your Embarcadero Technologies product, contact sales@embarcadero.com, or uk.sales@embarcadero.com for sales in the EMEA region.

Embarcadero Technologies Product Support

The Embarcadero Technologies Web site is an excellent source for additional product information, including white papers, articles, FAQs, discussion groups, and the Embarcadero Knowledge Base. Go to http://www.embarcadero.com/services/index.html, or click any of the links below, to find:

- Documentation
- Online Demos
- Technical Papers
- Discussion Groups
- Knowledge Base

Embarcadero Technologies Technical Support

If you have a valid maintenance contract with Embarcadero Technologies, the Embarcadero Technical Support team is available to assist you with any problems you have with our applications. Our maintenance contract also entitles registered users of Embarcadero Technologies products to download free software upgrades during the active contract period. Evaluators receive free technical support for the term of their evaluation (14 days).

We encourage you to open technical support cases via the Technical Support request form at the Embarcadero Technologies Web site. For additional information about Embarcadero Technologies Technical Support, go to the Support page on our Web site.

Embarcadero Technologies on the Web

To download evaluations of other Embarcadero Technologies products or to learn more about our company and our products visit us at www.embarcadero.com.