

Release Bulletin

Sybase® ETL Small Business Edition 4.2

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1. Accessing current release bulletin information

A more recent version of this release bulletin may be available on the Web. To check for critical product or document information added after the product release, use the Sybase Product Manuals Web site.

❖ **Accessing release bulletins at the Sybase Product Manuals Web site**

- 1 Go to Product Manuals at <http://www.sybase.com/support/manuals/>.
- 2 Select a product and language and click Go.
- 3 Select a product version from the Document Set list.
- 4 Select the Release Bulletins link.
- 5 From the list of individual documents, select the link to the release bulletin for your platform. You can either download the PDF version or browse the document online.

2. Product summary

Enclosed is Sybase® ETL Small Business Edition 4.2. This version of Sybase ETL Small Business Edition (SBE) includes Sybase ETL Small Business Edition 4.2 ESD #1. For more information, see the *README.html* file for “Sybase ETL Small Business Edition” on the EBFs/Maintenance Web site at <http://downloads.sybase.com>. See “Sybase EBFs and software maintenance” on page 15 for instructions to access the Web site.

This product is a 32-bit application and is compatible with the following platform and operating system configurations:

- Microsoft Windows 2003 (x86) 32-bit
- Microsoft Windows 2003 (x64) certified with Service Pack 1 (64-bit)
- Microsoft Windows XP Professional (x86) certified with Service Pack 2 (32-bit)
- Microsoft Windows XP Professional (x64) certified with Service Pack 2 (64-bit)

2.1 Sybase ETL Product Matrix

Although your license determines which version of Sybase ETL you install, Sybase ETL Small Business Edition 4.2 ships with a documentation set common to all Sybase ETL products. If you use the Sybase ETL SBE online help system, for example, you may see references to features available only for the Sybase Data Integration product suite.

Refer to the matrix in Table 1 to identify the features available in Sybase ETL Small Business Edition 4.2.

Table 1: Sybase ETL feature matrix

Feature	Sybase ETL 4.2 (in DI Suite 1.1)	Sybase ETL Small Business Edition 4.2 (eShop)
Platforms		
– Windows x86: 2003, XP	Included	Included
– Windows x64: 2003, XP	Included	Included
– Linux x86	Included RH 4.0 & SLES 9 (SP2)	Not Included
– Linux x64	Included RH 4.0 & SLES 9 (SP2)	Not Included
– Solaris SPARC: 9, 10	Included	Not Included
– IBM AIX: 5.3	Included	Not Included
Repository	Sybase ASE, Oracle, IBM DB2, MySQL, Microsoft SQL Server, Microsoft Access	Microsoft Access
ODBC Data Sources	Included	Included
Native Connectivity to Oracle, Sybase, DB/2 Sources	Included	Included
Native Connectivity to Oracle, Sybase, DB/2 Targets	Included	Included
Flat File Sources	Included	Included
Support of FTP/HTTP Sources	Included	Included
XML Data Sources	Included	Included
XML Data Targets	Included	Included
ODBC Data Targets	Included	Included
Flat File Targets	Included	Included
Live Data Simulation	Included	Included
Performance Analysis Support	Included	Included
Unicode Support	Included	Included
Batch Scheduling	Included	Included
Simultaneous Project Support	Included	Included
Copy/Paste between Projects	Included	Included
Scheduler Integration	Included	Included
Multi Project Job Control	Included	Included
Multi User Support	Included	Not Included
Multi Repository Support	Included	Not Included
Parallel GRID Engine Support	Included	Not Included

Feature	Sybase ETL 4.2 (in DI Suite 1.1)	Sybase ETL Small Business Edition 4.2 (eShop)
External Parameter Sets	Included	Not Included
Migration Support (DB -> DB)	Included as source and target: Sybase ASE, IBM DB2, Oracle, Microsoft SQL Server, and Microsoft Access	Included: Sybase ASE, IBM DB2, Oracle, Microsoft SQL Server, Microsoft Access
Migration Support (DB -> IQ) Uses DB Bulk for IQ	Included as source: Sybase ASE, Oracle, IBM DB2, Microsoft SQL Server, Sybase IQ, Microsoft Access Target: Sybase IQ	Not Included
Project Components		
– DB Data Provider Full Load	Included	Included
– DB Data Provider Index Load	Included	Included
– Text Data Provider	Included	Included
– XML via SQL Data Provider	Included	Included
– XML via XSLT Data Provider	Included	Included
– Data Calculator JavaScript	Included	Included
– Character Mapper	Included	Included
– Data Lookup	Included	Included
– Data Mapper	Included	Included
– Data Splitter JavaScript	Included	Included
– Data Transposer	Included	Included
– DB Lookup	Included	Included
– DB Lookup Dynamic	Included	Included
– DB Staging	Included	Included
– Executor JavaScript	Included	Included
– DB Data Sink Insert	Included: Sybase ASE, Sybase IQ, IBM DB2, Oracle, Microsoft SQL Server, Microsoft Access +ODBC	Included: Sybase ASE, Sybase IQ, IBM DB2, Oracle, Microsoft SQL Server, Microsoft Access +ODBC
– DB Data Sink Update	Included: Sybase ASE, Sybase IQ, IBM DB2, Oracle, Microsoft SQL Server, Microsoft Access +ODBC	Included: Sybase ASE, Sybase IQ, IBM DB2, Oracle, Microsoft SQL Server, Microsoft Access +ODBC

Feature	Sybase ETL 4.2 (in DI Suite 1.1)	Sybase ETL Small Business Edition 4.2 (eShop)
– DB Data Sink Delete	Included: Sybase ASE, Sybase IQ, IBM DB2, Oracle, Microsoft SQL Server, Microsoft Access +ODBC	Included: Sybase ASE, Sybase IQ, IBM DB2, Oracle, Microsoft SQL Server, Microsoft Access +ODBC
– DB Data Sink Synchronize(Intelligent Update)	Included: Sybase ASE, Sybase IQ, IBM DB2, Oracle, Microsoft SQL Server, Microsoft Access +ODBC	Included: Sybase ASE, Sybase IQ, IBM DB2, Oracle, Microsoft SQL Server, Microsoft Access +ODBC
– DB Data Sink Merge(Slowly Changing Dimensions)	Included: Sybase ASE, Sybase IQ, IBM DB2, Oracle, Microsoft SQL Server, Microsoft Access +ODBC	Included: Sybase ASE, Sybase IQ, IBM DB2, Oracle, Microsoft SQL Server, Microsoft Access +ODBC
– Text Data Sink	Included	Included
– DB Bulk Load Sybase IQ	Included	Not Included
– XML Data Sink	Included	Included
Job Components	Not Included	Not Included
– Start	Included	Included
– Project	Included	Included
– Synchronizer	Included	Included
– Multi-Project	Included	Included
– Finish	Included	Included
– Error	Included	Included

3. Product compatibilities

This section contains information on product compatibilities for Sybase ETL Small Business Edition.

3.1 ODBC and database drivers for Sybase ETL Small Business Edition

The Sybase ETL Small Business Edition environment has been tested, evaluated, and verified thoroughly to comply with many interface drivers of the supported database systems. While most drivers used in a current Windows environment exhibit no problems, some drivers might cause unexpected results when dealing with Unicode character sets.

If you encounter unexpected results that might be related to driver incompatibility, install one of the following versions for your interface driver.

Table 2: Interface driver versions for Sybase ETL Small Business Edition ETL Server

Driver	Version
Sybase native (via ct-lib)	12.5.2, 15.0
Sybase ASE ODBC	4.20.00.67 (Windows only)
Sybase IQ 12.7 ODBC	9.00.02.1023
DB2 native	8.1.8.762
DB2 ODBC	8.01.08.762 (Windows only)
Microsoft Access ODBC	4.00.6304.00 (Windows only)
Microsoft SQL Server ODBC	2000.85.1117.00 (Windows only)
Oracle native (via oci)	9.2.0.1.0
Oracle ODBC	9.02.00.65 (Windows only)

3.2 Required Windows operating system patches

Sybase recommends that you keep your system current with the latest patch level. Refer to the Microsoft Corporation Web site for the latest patches.

❖ Determining the service pack level

1 On the Windows taskbar, click Start | Run.

2 Type in the Open: text box.

`winver`

3 Click OK.

The About Windows dialog box displays the operating system version and the service pack level.

4 Click OK.

4. Known problems

This section reports issues with Sybase ETL SBE software. See “Documentation updates and clarifications” on page 10 for ETL documentation issues.

4.1 File Content display in Text Data Provider

[CR #456431] When entering the configuration window of a text provider component the file content is read with the current (default is ISO-8859-1) encoding setting. It is not reread when a different encoding is selected. The preview section of the configuration window displays data correctly (according to the current settings) and the functionality of the component is not affected.

To read and display the file content with a specific encoding, do *one* of the following and then reopen the configuration window:

- Select the encoding in the configuration window and click Save.
- Select the encoding in the Property section.

4.2 Project execution might hang when database runs out of space

[CR #455779] When a database involved in a data transfer runs out of space, the execution of a project might hang. This happens because the database driver does not return with an error message but waits until space is available to continue. Ensure that sufficient space is available before running a project or job.

If project execution appears to hang, check the logs of any databases in use to see if they report any “out of space” messages.

4.3 Special characters in Sybase ETL SBE installation paths

[CR #454526] Special characters in the installation path of Sybase ETL SBE ETL may lead to problems in accessing databases.

For example, connecting to an Oracle database client returns the following error when Sybase ETL SBE Server is installed in a path containing parentheses, such as *C:\Program Files (x86)\Sybase*:

```
ORA-12154: TNS:could not resolve the connect identifier
specified
```

Sybase recommends selecting installation paths that contain only alphanumeric characters. To avoid parentheses issues, remove “(x86),” which is added by the Windows 2003 EE 64-bit operating system, from the default target directory during installation.

4.4 Recommended settings for IQ database options

[CR #447096, CR #447097] The IQ database option `FORCE_NO_SCROLL_CURSORS` should be at the default setting (OFF) or a fetch error may occur while moving data via ETL.

To adjust database option settings, use the `SET OPTION` command in `dbisql` or, in Sybase Central, right-click the database and choose Set Options from the submenu.

4.5 Dynamic lookup in demo project fails on execution

[CR #464293] The lookup in the project Demo DB Lookup Dynamic works in the simulation environment but not when executed on the GRID engine. The reason is a wrong case of the predefined variable for the lookup key value.

To correct this problem:

- 1 Open the project Demo DB Lookup Dynamic from the Demo Repository.
- 2 Select the Change Product Number to US Standard (DB Lookup Dynamic) component.
- 3 Click the Edit button of the Query property.
- 4 Change the WHERE clause of the query to

```
WHERE SOURCE = rtrim(' [Lookup] ')
```
- 5 Click Save.
- 6 Close and save the project.

5. Documentation for this version

All documentation for version 4 .2 is included with your product shipment on CD:

- The Sybase ETL SBE Getting Started CD contains the *Sybase ETL Small Business Edition Users Guide*, *Release Bulletin*, and *Installation Guide* in PDF format. The Getting Started CD may also contain other documents or updated information. It is included with your software.

To read or print documents on the Getting Started CD, you need Adobe Acrobat Reader, which you can download at no charge from the Adobe Web site using a link provided on the CD.

The Sybase ETL SBE Getting Started CD also contains these documents in an HTML format that is specialized for accessibility. You can navigate the HTML with an adaptive technology such as a screen reader, or view it with a screen enlarger.

- Some documentation may be provided in PDF format, which you can access through the PDF directory. To read or print the PDF files, you need Adobe Acrobat Reader.

Refer to the *SyBooks Installation Guide* on the Getting Started CD.

Table 3 lists documentation on the Sybase ETL SBE Getting Started CD.

Table 3: Sybase ETL Small Business Edition 4.2 Getting Started CD contents

Part Number	Book Title
DC00736-01-0420-01	<i>Sybase ETL Small Business Edition Users Guide</i>
DC00738-01-0420-01	<i>Sybase ETL Small Business Edition Installation Guide for Windows</i>
DC00737-01-0420-02	<i>Sybase ETL Small Business Edition Release Bulletin</i>

6. Documentation updates and clarifications

This section contains information omitted from documentation and new information that needs emphasis.

6.1 Message and error logging

This section contains changes to error messages and log files.

6.1.1 ETL logs UTC (Coordinated Universal Time)

[CR #446767] The GridNode process logs its timestamp in the *system.log* in UTC (Coordinated Universal Time), not the host machine time.

6.2 Sybase ETL Small Business Edition 4.2 Users Guide

This section contains updates to the *Sybase ETL Small Business Edition Users Guide*.

6.2.1 Accessing the Sybase ETL Demo Repository

Sybase ETL Small Business Edition 4.2 includes a demo repository with predefined projects and jobs designed to familiarize users with the product. The *Sybase ETL Small Business Edition Users Guide* refers to that demo repository in Chapter 3, “Getting Started”, and Chapter 6, “Components”.

Starting Sybase ETL SBE Development automatically connects you into the demo repository.

❖ Restoring repository data sources

The Sybase ETL SBE installer creates an initial set of data sources. If you lose the repository data sources for any reasons, use these instructions to restore them.

- Configure the ODBC User Data Source:

Driver: Microsoft Access

Name: DEMO_Repository

Database: *datadir\Demodata\IQETLDEMO_REP.MDB*

where *datadir* is either the installation or the user data directory. See the *Sybase ETL Small Business Edition 4.2 Installation Guide for Windows* for details.

The projects in the demo repository require these additional ODBC User Data Sources:

Driver: Microsoft Access

Name: ETLDEMO_DWH; Database: DEMO_DWH.MDB

Name: ETLDEMO_GER; Database: DEMO_GER.MDB

Name: ETLDEMO_US; Database: DEMO_US.MDB

The database files are located in *datadir\Demodata* where *datadir* is either the installation or the user data directory. See the *Sybase ETL Small Business Edition 4.2 Installation Guide for Windows* for details.

6.2.2 Building your own Repository

Sybase ETL SBE ships with a repository containing predefined projects and jobs to demonstrate features and components of the product. This repository is used per default when starting Sybase ETL SBE. Projects and jobs you design will be stored in that repository as well. If you want to separate your own objects from the demos, you need to create and use your own repository by following these steps:

- 1 Exit Sybase ETL SBE.

- 2 Copy the repository data file *Repository_plain.mdb* from the *Demodata* subdirectory of the installation path to a desired location and name it.
- 3 Select the new repository data file as the database for the ODBC Data Source DEMO_Repository.
- 4 Restart Sybase ETL SBE.

You are now connected to your own repository.

Note To access the demo projects you need to redirect the ODBC Data Source to the demo repository again. See “Accessing the Sybase ETL Demo Repository” on page 11.

6.2.3 Flash Demonstrations

Sybase ETL Small Business Edition provides Flash demonstrations for nearly all components and some general functionality.

There are three ways to view the demos:

- Select Demonstration from a component popup menu in the Component Store.
- Choose either an Introduction or a Component Demonstration from the Help menu.
- View a demonstration directly from the training subdirectory of the installation path.

Note These demonstrations show general functionality of Sybase ETL products. Some of the features might not be available in your product edition.

6.2.4 DB Lookup Dynamic component documentation

The value of the Key Attribute in the DB Lookup Dynamic component is represented in a predefined variable, which is used as a placeholder in the WHERE clause of the query. The documentation uses the name of this variable in wrong case. The correct name is Lookup and as variable names in the execution environment are case sensitive it needs to be used in exactly that style.

Thus the basic structure of the query for the DB Lookup Dynamic component is:

```
SELECT value attribute
FROM lookup table
WHERE key attribute = ' [Lookup] '
```

6.3 Unicode support

This section contains information on Unicode support.

6.3.1 Unicode support for Sybase ETL Small Business Edition

[CR #447098] The level of Unicode support for Sybase ETL SBE is:

- Unicode characters can be extracted, transformed, and loaded.
- Unicode characters in component properties are not supported. This includes:
 - File or directory names
 - Metadata like table or attribute names
 - Connection settings like database, schema, user, or password
 - Transformation rules
 - SBN expressions
- Unicode characters in ETL object names or descriptions are not supported.

6.3.2 Using Unicode in transformations

To include Unicode characters or strings in component properties like transformation rules or SBN expressions you need to use the `uChr` function. See the Function Reference in the Sybase ETL Users Guide for details.

The Character Mapping component provides a specific notation for Unicode characters in the mapping rule. See component documentation for details.

7. Technical support

Each Sybase installation that has purchased a support contract has one or more designated people who are authorized to contact Sybase Technical Support. If you have any questions about this installation or if you need assistance during the installation process, ask the designated person to contact Sybase Technical Support or the Sybase subsidiary in your area.

8. Other sources of information

Use the Sybase Getting Started CD, the SyBooks CD, and the Sybase Product Manuals Web site to learn more about your product:

- The Getting Started CD contains release bulletins and installation guides in PDF format, and may also contain other documents or updated information not included on the SyBooks CD. It is included with your software. To read or print documents on the Getting Started CD, you need Adobe Acrobat Reader, which you can download at no charge from the Adobe Web site using a link provided on the CD.
- The SyBooks CD contains product manuals and is included with your software. The Eclipse-based SyBooks browser allows you to access the manuals in an easy-to-use, HTML-based format.

Some documentation may be provided in PDF format, which you can access through the PDF directory on the SyBooks CD. To read or print the PDF files, you need Adobe Acrobat Reader.

Refer to the *SyBooks Installation Guide* on the Getting Started CD, or the *README.txt* file on the SyBooks CD for instructions on installing and starting SyBooks.

- The Sybase Product Manuals Web site is an online version of the SyBooks CD that you can access using a standard Web browser. In addition to product manuals, you will find links to EBFs/Maintenance, Technical Documents, Case Management, Solved Cases, newsgroups, and the Sybase Developer Network.

To access the Sybase Product Manuals Web site, go to Product Manuals at <http://www.sybase.com/support/manuals/>.

8.1 Sybase certifications on the Web

Technical documentation at the Sybase Web site is updated frequently.

❖ Finding the latest information on product certifications

- 1 Point your Web browser to Technical Documents at <http://www.sybase.com/support/techdocs/>.
- 2 Click Certification Report.
- 3 In the Certification Report filter select a product, platform, and timeframe and then click Go.
- 4 Click a Certification Report title to display the report.

❖ Finding the latest information on component certifications

- 1 Point your Web browser to Availability and Certification Reports at <http://certification.sybase.com/>.
- 2 Either select the product family and product under Search by Base Product; or select the platform and product under Search by Platform.
- 3 Select Search to display the availability and certification report for the selection.

❖ Creating a personalized view of the Sybase Web site (including support pages)

Set up a MySybase profile. MySybase is a free service that allows you to create a personalized view of Sybase Web pages.

- 1 Point your Web browser to Technical Documents at <http://www.sybase.com/support/techdocs/>.
- 2 Click MySybase and create a MySybase profile.

8.2 Sybase EBFs and software maintenance

❖ Finding the latest information on EBFs and software maintenance

- 1 Point your Web browser to the Sybase Support Page at <http://www.sybase.com/support>.
- 2 Select EBFs/Maintenance from the left navigation bar. If prompted, enter your MySybase user name and password.
- 3 Select a product.
- 4 Specify a time frame and click Go. A list of EBF/Maintenance releases is displayed.

Padlock icons indicate that you do not have download authorization for certain EBF/Maintenance releases because you are not registered as a Technical Support Contact. If you have not registered, but have valid information provided by your Sybase representative or through your support contract, click Edit Roles to add the “Technical Support Contact” role to your MySybase profile.

- 5 Click the Info icon to display the EBF/Maintenance report, or click the product description to download the software.

9. Accessibility features

This document is available in an HTML version that is specialized for accessibility. You can navigate the HTML with an adaptive technology such as a screen reader, or view it with a screen enlarger.

The online help for this product is also provided in HTML, which you can navigate using a screen reader.

Note You might need to configure your accessibility tool for optimal use. Some screen readers pronounce text based on its case; for example, they pronounce ALL UPPERCASE TEXT as initials, and MixedCase Text as words. You might find it helpful to configure your tool to announce syntax conventions. Consult the documentation for your tool.

For information about how Sybase supports accessibility, see Sybase Accessibility at <http://www.sybase.com/accessibility>. The Sybase Accessibility site includes links to information on Section 508 and W3C standards.