

Release Bulletin Sybase® ETL 4.2 for DI Suite

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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 4.2 for DI Suite, which includes Sybase ETL Development and Sybase ETL Server. This product is a 32-bit application and is compatible with the following platform and operating system configurations.

2.1 Sybase ETL Development

Sybase ETL Development runs only on Windows systems:

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

2.2 Sybase ETL Server

Sybase ETL Server runs on the following platforms:

Platform	Version
Windows	<ul style="list-style-type: none"> • 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)
Sun Solaris	<ul style="list-style-type: none"> • Sun Solaris 9 (SPARC) for 64-bit systems • Sun Solaris 10 (SPARC) for 64-bit systems • Sun Solaris 10 (x64) for 64-bit systems
Linux	<ul style="list-style-type: none"> • Red Hat Enterprise Linux 4.0 x86, Advanced Server and Workstation Editions (32-bit) • SuSE Linux Enterprise Server 9 SP2 (32-bit)
IBM AIX	IBM AIX on pSeries (64 bit)

3. Product compatibilities

3.1 ODBC and database drivers for Sybase® ETL 4.2 for DI Suite

The Sybase® ETL 4.2 for DI Suite 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 1: Interface driver versions for Sybase® ETL 4.2 for DI Suite 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
DB/2 native	8.1.8.762
DB/2 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 software. See “Documentation updates and clarifications” on page 8 for ETL documentation issues.

4.1 ODBC connectivity for Sybase ETL Server running as a Windows Service [CR 456470]

If you install the ETL Server on a Windows platform as a Windows system service and you plan to use ODBC connectivity, you may encounter the following issues:

- 1 The ETL Server (Grid Engine) Windows system service may not be able to detect ODBC data sources defined as user data sources, because a system service per default runs in the system environment. Please ensure that the ODBC data sources you want to access from the ETL Server and the system service share the same environment by either defining system data sources or choosing a user in the Windows service properties.
- 2 On a Windows 2003 EE 64-bit platform the ETL Server (Grid Engine) Windows service may only be able to detect data sources defined using the 32-bit ODBC Data Source Administrator executable located in the `c:\WINDOWS\SysWOW64` directory (*odbcad32.exe*, file size 32 KB). Note that the ETL Server Windows service is unable to detect system or user data sources defined using the 64-bit ODBC Administrator executable located in the `c:\WINDOWS\System32\` directory (*odbcad32.exe*, file size 34 KB).

4.2 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.

4.3 Initialization file settings for Sybase ETL Server on UNIX [CR 456080]

On UNIX installations of Sybase® ETL 4.2 for DI Suite Server, initialization (*.ini*) file settings are not read by the GridNode application unless you have a *GridNode.ini* in place.

❖ Specifying settings for the GridNode application:

- 1 Make a copy of the *Default.ini* file named *GridNode.ini* in the *etc* subdirectory of your installation path.
- 2 Specify general settings (to be shared by all applications) in *Default.ini*.
- 3 Specify exclusive settings for the GridNode application in *GridNode.ini*.
- 4 Disable (remove or comment) the keys for general settings in *GridNode.ini*.

4.4 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.

4.5 Special characters in Sybase ETL installation paths [CR 454526]

Special characters in the installation path of Sybase ETL may lead to problems in accessing databases.

For example, connecting to an Oracle database client returns the following error when Sybase ETL 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.

4.6 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.

4.7 Starting Sybase ETL Server on Linux returns harmless errors [CR 447095]

On Linux, when starting the ETL Server (GridNode engine), the following harmless errors may be reported and may be ignored:

```
Error in XmlRpcClient::writeRequest: write error (error 111)
```

```
Error in XMLPRClient::parseResponse: Invalid response  
- no method Response:
```

5. Documentation for this version

All documentation for version 4.2 is included with your product shipment on CD:

- The Sybase ETL Getting Started CD contains the Sybase ETL Users Guide, release bulletins, and installation guide in PDF format. The Getting Started CD 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 Sybase ETL Getting Started CD also contains release bulletins and installation guides 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.

- The Sybase® ETL 4.2 for DI Suite 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.

Note The SyBooks browser software runs on Windows and Linux platforms. Users with non-Linux UNIX platforms must use Acrobat Reader to open PDF files on the SyBooks CD.

Table 2 lists documentation on the Sybase ETL Getting Started CD.

Table 2: Sybase® ETL 4.2 for DI Suite Getting Started CD contents

Part Number	Book Title
DC00705-01-0420-01	<i>Sybase ETL User's Guide for DI Suite</i>
DC00701-01-0420-01	<i>Sybase ETL Release Bulletin for DI Suite</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 System log file shows “ODBC seriously misbehaves” [CR 447093]

The message “ODBC seriously misbehaves” may appear in the system log file. This message is generated when the Sybase ETL component DB Provider specifies a large block size. Reducing the block size removes the printing of this message and could also increase performance.

6.1.2 Named pipes permissions [CR 447092]

When sending data to IQ via a named pipe, the error “Permission denied” or “File cannot be found” may result when executing a job. Make sure that both the IQ server and the Sybase ETL Server have access to and read/write permissions on the named pipe.

6.1.3 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 4.2 for DI Suite User's Guide

This section contains updates to the *Sybase ETL User's Guide for DI Suite*.

6.2.1 Accessing the Sybase ETL Demo Repository

Sybase® ETL 4.2 for DI Suite includes a demo repository with predefined projects and jobs designed to familiarize users with the product. The *Sybase ETL User's Guide for DI Suite* refers to that demo repository in Chapter 3, “Getting Started”, and Chapter 6, “Components”.

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

The default login data to access the demo repository is:

```
Connection: Repository
Client:transformer
Client user:TRANSFORMER
Password:transformer
```

These values are preset on initial login. On subsequent logins, you might need to select or enter this information.

❖ **Setting up a new user account on the demo repository**

Sybase ETL logs you into the repository when the application launches. When you want to add new repository users, select Repository in the left pane of the Development, and then choose Open Repository. The login panel appears and you can enter the following information:

- 1 Enter a new Client user name and a password. (Note: do not change the Client.)
- 2 Activate the Register new user and the Show all objects option.
- 3 Click Logon.

- 4 Confirm your password and click OK.

Note If you enter a different Client or do not activate Show all objects you will not get access to the predefined transformation objects.

The default login information to the demo repository is automatically set up during Sybase ETL Development installation. Use the following information to correct or restore the settings.

❖ **Restoring repository data sources**

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

- 1 Configure the ODBC User Data Source:

Driver: Microsoft Access
Name: DEMO_Repository
Database: <datadir>\Demodata\ETLDEMO_REP.MDB

- 2 Set up the repository connection in the Repository window:

- a Select Repository from the Connection list and choose *one* of the following:
 - Edit
 - Add and type a name for the connection
- b Select dbodbc from the Interface list.
- c Select DEMO_Repository from the Host list.
- d Click Save.

<datadir> is either the installation or the user data directory, see *Sybase Data Integration Suite Installation Guide* for details.

See also “Administering the repository” in Chapter 2 of the *Sybase ETL User’s Guide for DI Suite* 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 Data Integration Suite Installation Guide* for details.

6.2.2 Sybase® ETL 4.2 for DI Suite Flash Demonstrations

Sybase ETL 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.

6.2.3 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 Stopping the Sybase® ETL 4.2 for DI Suite Server process [CR 460724]

The Windows service control fails to stop the Sybase® ETL 4.2 for DI Suite Server process. If a Sybase® ETL 4.2 for DI Suite Server instance, which appears as GridNode.exe in the Task Manager, is running as a Windows service, attempts to stop the service using the service control will start another GridNode.exe process.

To end these processes, open the Windows Task Manager, display the Processes tab, and select the GridNode.exe process (or processes, if several are running).

6.4 Unicode support

6.4.1 Unicode support for Sybase® ETL 4.2 for DI Suite [CR 447098]

The level of Unicode support for Sybase ETL 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.

6.4.2 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 User's 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. 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 site with links to EBFs/Maintenance, Technical Documents, Case Management, Solved Cases, newsgroups, and the Sybase Developer Network. You can access the Sybase Product Manuals Web site using a standard Web browser.

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. 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.

Sybase® ETL 4.2 for DI Suite 4.2 and the HTML documentation have been tested for compliance with U.S. government Section 508 Accessibility requirements. Documents that comply with Section 508 generally also meet non-U.S. accessibility guidelines, such as the World Wide Web Consortium (W3C) guidelines for Web sites.

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.

