Release Bulletin
Sybase® Data Integration Suite 1.2
for Sun Solaris

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

Data Integration (DI) Suite 1.2 includes these components:

- Sybase Data Federation – provides access to multiple, diverse data sources, and the ability to create a single, integrated view of enterprise data.

- Sybase Replication – replicates transactional data and synchronizes operational data across heterogeneous databases.

- Sybase Real-Time Events – proactively captures and moves through a messaging infrastructure, time-critical events from your heterogeneous data sources to business applications.

  You can use Real-Time Events subcomponents to capture data changes and propagate these changes to standard messaging architectures:

  - RepConnector™ – capture events nonintrusively from a database such as Adaptive Server® Enterprise or Oracle, and deliver these events to any standard messaging infrastructure such as WebSphere MQ, BEA WebLogic JMS, and TIBCO EMS. Real-time messaging through RepConnector uses the RepConnector Server, Replication Server®, and Replication Agents subcomponents.

- ASE Active Messaging – capture events from the ASE database and publish directly to any standard messaging infrastructure such as WebSphere MQ, TIBCO EMS, and Sybase EAServer JMS. ASE Active Messaging is easy to configure, and provides high performance and enhanced transactional messaging support for ASE databases.

- Sybase Search – uses a natural language search to query and find information from structured and unstructured data in your enterprise.

- Sybase ETL – provides extract, transform, and load capabilities for your enterprise data.

In addition, Sybase also offers:

- Sybase Data Services Administrator (DSA), which provides a single management console to manage the various servers installed with DI Suite components. DSA is included with DI Suite.

- Sybase WorkSpace, which provides development capabilities for the Data Federation, Replication, Sybase Search, and Real-Time Events components of the DI Suite. Sybase WorkSpace is available separately.

2.1 Operating system requirements

DI Suite 1.2 is compatible with the following platform and operating system configurations:

- Solaris 9 – patch level 9 recommended (SPARC 64-bit)

- Solaris 10 – patch level 10 recommended (SPARC 64-bit)

Note Although DI Suite 1.2 has been tested with all of the listed platforms, some third-party components and some Sybase subcomponents may not be certified on a specific platform. See the Sybase certification Web site at http://certification.sybase.com/ucr/search.do for the latest information on Sybase component certifications. For third-party components such as ODBC drivers or message buses, see the vendors' certification Web site for the latest information.

2.2 Related documents

Use the following table to find specific information about DI Suite 1.2:

For information about	See	Available on
How to use DI Suite for your data integration needs	*Sybase Data Integration Suite 1.2 Overview Guide*	SyBooks™ CD
New features in DI Suite 1.2	*Sybase Data Integration Suite 1.2 New Features Guide*	SyBooks CD
DI Suite system requirements and installation instructions	*Sybase Data Integration Suite 1.2 Installation Guide for UNIX*	DI Suite Getting Started CD
Replication issues	Release bulletins for: • Replication Server 15.0.1 • Replication Agent™ 15.0 • Enterprise Connect™ Data Access 15.0	DI Suite Getting Started CD
Data Federation issues	*Release Bulletin for Sybase Data Federation 1.2*	DI Suite Getting Started CD
Real-Time Events issues	Release bulletins for: • Real-Time Data Services 4.5 • EAServer 6.0.2 • RepConnector 15.0.2	DI Suite Getting Started CD
Search issues	*Release Bulletin for Sybase Search 3.5*	DI Suite Getting Started CD
ETL issues	*Release Bulletin for Sybase ETL 4.2* **Note** For additional information on Sybase ETL 4.2 ESD#1, see the ESD#1 *_README.html* available in the Sybase downloads site at http://downloads.sybase.com	DI Suite Getting Started CD

3. Special installation instructions

Sybase recommends that you install DI Suite components into the existing Sybase directory, if one exists.

To ensure that your installation is the most current, after you have installed DI Suite components, visit the Sybase downloads site at http://downloads.sybase.com. If available, download and install ESD/EBFs for DI Suite.

When uninstalling DI Suite components, use only the DI Suite uninstall program. Uninstalling components via other methods may result in errors.

See the *Sybase Data Integration Suite 1.2 Installation Guide* for complete installation and uninstallation instructions for your platform.

4. Security enhancements

This section contains changes related to security.

4.1 Security vulnerability in RSA signature verification

This version contains important JDK and product security fixes. You can find more information on security vulnerability in RSA signature verification on the Sybase Web site at http://www.sybase.com/detail?id=1047991.

4.2 Support for Daylight Savings Time

Sybase products support Daylight Savings Time. You can find information on the Sybase Web site at http://www.sybase.com/detail?id=1050614.

5. Changed functionality in this version

For detailed descriptions of the new features and functionality in DI Suite 1.2, see the *Sybase Data Integration Suite 1.2 New Features Guide.*

5.1 ECDA support for back-end drivers

Sybase no longer provides ODBC drivers for back-end access to the target database, therefore, you need to obtain your own driver from your database vendor.

For more information, see the *New Features Enterprise Connect Data Access* and *Enterprise Connect Data Access Installation Guide* for your platform.

6. Known problems

This section describes known issues that exist for DI Suite 1.2.

6.1 Installation issues

This section contains information about known installation problems and their workarounds.

6.1.1 Unified Agent does not work in Replication Server or Real-Time Events

(CR #486774) During custom install, if you select only the Replication Server sub-component in Sybase Replication or Sybase Real-Time Events components, the Unified Agent does not work. This is because the JRE is not installed.

Workaround: Install DSA along with Replication Server. DSA installs the JRE to be used by Unified Agent.

6.1.2 DGAS fails to connect to the Share Server through the host name provided by Grid Server.

(CR #486183) If DNS in the host of DGAS does not work and Grid Server uses the host name to contact the Share Server, DGAS will fail to connect to the Share Server through the host name provided by Grid Server.

Workaround: Add the mapping of the IP address and the hostname of Share Server to the "hosts" file in DGAS host so that DGAS can access Share Server through both host name and IP address.

6.1.3 Replication Server component fails to reinstall in the same directory it has been uninstalled from

(CR #485112) When you install Replication Server 15.0.1 ESD #2 or the Replication Server component from DI Suite 1.2 to the same directory where it has been uninstalled from such as */usr/local/sybase*, the Replication Server component will not be installed.

Workaround: If you need to reinstall the Replication Server component from DI Suite 1.2 into the */usr/local/sybase* release area, where you have uninstalled before, you need to contact the Sybase Technical Support for assistance.

6.1.4 Error messages exist in Sybase Search log file after reinstallation

(CR #484321) Sybase Search does not install properly if you reinstall it on top of an existing installation; the Search log file contains error messages.

Workaround: Use either of these workarounds:

- Uninstall, then reinstall, Sybase Search.

    Note This removes all your data and configuration settings.

- This workaround is only required if you plan to reinstall either a Satellite Container or the Typical, single-server installation.You need not perform this workaround if you plan to reinstall a Hub container or the Web Administration server.

    a   Reinstall a Satellite Container:

    1   Open the configuration directory *$SYBASE/Search-3_5/OmniQ/config*

    2   Delete the existing Container configuration file:

    $SYBASE/Search-3_5/OmniQ/config/Container.[id].xml

    where [id] is the Satellite Container ID. Reinstalling the Satellite Container re-creates this file with the new Satellite configuration settings.

    Note Do not change the Satellite Container ID when reinstalling. If you want to change the Satellite Container ID, uninstall the Satellite Container completely before reinstalling.

    3   Reinstall the Satellite Container

    b   Re-run the Typical Installation:

    1   Open the *$SYBASE/Search-3_5/OmniQ/config* directory.

    2   Delete *$SYBASE/Search-3_5/OmniQ/config/Container.1.xml*.

    The Typical installation always has a Single Container with an ID 1. Re-running a Typical installation re-creates this file with the new configuration settings.

    Note You cannot change the Single Container's ID from its default setting 1.

    3   Reinstall the Typical single-server installation.

6.1.5 DI Suite installation fails if it is installed on top of EAServer directory

(CR #483305) The DI Suite installation fails if you use a standalone EAServer installer, then install the DI Suite on top of the EAServer directory.

Workaround: Install DI Suite in its own directory or change all the files and folders to write permission in the EAServer directory before installing DI Suite.

6.1.6 Data Federation Grid Server does not start after reinstalling DI Suite 1.2

(CR #482210) The Grid Server does not start because reinstalling DI Suite changes the databases that store the servers state.

Workaround: Before reinstalling the DI Suite, backup the servers, and then restore after the reinstallation. See "Backing up and restoring Avaki servers" in the *Sybase Data Federation Administration Guide* for detailed instructions.

Alternatively, backup the *jms* and *jvault* folders under *<server>\db* before reinstallation, and then copy them back after the reinstallation.

6.1.7 Installation log file not generated when installer exits due to SySAM license failure

(CR #443084) The DI Suite installation log file (*di_log.txt*), generated in the installation directory, is used to troubleshoot errors. However, during installation, if the installer does not accept the entered license keys, and you exit the installation program, the log file is not created.

Workaround:

To generate the log file, go to the directory that contains the DI Suite setup program and enter:

```
setup -log '!/tmp/di_log.txt' '@ALL'
```

The installation log file is generated in the specified path, and includes all installation processes and errors up to the point you exited the setup program.

6.1.8 Adaptive Server does not start after Replication Server installation

(CR #454545) If you install the Replication Server subcomponent of Sybase Replication or Sybase Real-Time Events in the same directory as the 64-bit Adaptive Server version 15.0.1, the Adaptive Server will not start. This is because the LIBRARY PATH environment variable prepends the location of Replication Server 32-bit libraries before the location of ASE 64-bit libraries, which causes the Adaptive Server to first look for 64-bit libraries in the 32-bit location:

```
LIBPATH=$SYBASE/$SYBASE_OCS/lib:$SYBASE/$SYBASE_OCS
/lib3p64:$SYBASE/$SYBASE_OCS/lib3p:$SYBASE/$SYBASE_ASE
/lib
```

Workaround: Before installing Replication Server, create two copies of the existing *SYBASE.sh* source file; one each for Adaptive Server and Replication Server. After installing Replication Server, check if the LIBPATH environment variable is pointing to the correct location of the 32-bit libraries. Then, remove the entry pointing to the location of ASE 64-bit libraries, if it exists.

Start Adaptive Server using the copy of *SYBASE.sh* source file for Adaptive Server.

6.2 Uninstallation issues

This section contains information about known uninstallation problems and their workarounds.

6.2.1 Sample Replication Server files are not removed after uninstalling Replication Server

(CR #467463) When you uninstall Replication Server, the subcomponent of Sybase Replication, the sample Replication Server files are not removed. You will not be able to configure the sample Replication Server when you reinstall the Sybase Replication subcomponent.

Workaround: After you uninstall Replication Server, delete these sample Replication Server files from the *$SYBASE/REP-15_0/samp_repserver* directory:

• *dbfile*

• *errorlog*

• *log*

• *backup*

6.3 Upgrade issues

This section contains information about known upgrade issues and their workarounds.

6.3.1 Configured message queues missing after upgrading Real-Time Events

(CR #455907) The message queues that you configured in that EAServer message service are missing after you upgrade the Real-Time Events component of DI Suite 1.0 to DI Suite 1.1.

Workaround: To retain the message queues after upgrade:

1   Before installing the Real-Time Events component of DI Suite 1.1, back up the *MessageService.props* and *MessageServiceConfig.props* files from the *$SYBASE/EAServer/Repository/Component/CtsComponents* directory to a temporary directory.

2   After installing the Real-Time Events component of DI Suite 1.1, overwrite the existing *MessageService.props* and *MessageServiceConfig.props* files in the *$SYBASE/EAServer/Repository/Component/CtsComponents* directory with its copies saved in the temporary directory.

6.4 Data Integration Common Services issues

This section contains information about known Data Integration Common Services issues and their workarounds.

Data Integration Common Services are internally used by DI Suite components. These common services include an application server, service container, messaging system, global catalog, and security infrastructure.

6.4.1 EAServer does not start on AIX

(CR #481705) If you source *SYBASE.sh* before starting EAServer on AIX, the script sets a LIBPATH that the EAServer cannot process.

Workaround: Do not source this script before starting the EAServer on this operating system.

6.4.2 Startup of EAServer with Service Container: "System.loadLibrary failed"

(CR #478074) If you are using 64-bit JVM, the VM tries to load the 32-bit *.DLLs instead, causing three library failure messages:

System.loadLibrary failed: libjbootstrap
System.loadLibrary failed: libjdispatch
System.loadLibrary failed: libjrt

Workaround: No action required: these failures should not affect J2EE functionality provided by EAServer. However, if you require component models like CORBA/PB and CORBA/C++, you must use a 32-bit JVM.

6.4.3 EAServer RMI default port number

In the "Resolving an EAServer RMI Registry Port Conflict" topic of the online help for Data Integration Common Services, the EAServer RMI default port number is indicated as 1099.

Workaround: This topic should indicate the EAServer RMI default port number as 8211.

6.5 Sybase ETL issues

This section contains information about known Sybase ETL issues and their workarounds.

6.5.1 Missing libraries in *OCS-15_0* directory on AIX and Sun Solaris

(CR #485020) If you are using Adaptive Server Enterprise 12.5.4 ESD #6, missing libraries in *OCS-15_0/lib* directory cause *./GridNode.sh* to not work; *./GridNode.sh* does not support OCS 12.5.

Workaround: Install Adaptive Server Enterprise 15.0.2 and export the OCS 15.0 libraries to the LIBPATH:

```
export LIBPATH=$SYBASE/OCS-15_0/lib:$LIBPATH
```

6.5.2 IQ BulkLoad fails if Schema field is selected

(CR #482941) When you transfer data to IQ, the IQ BulkLoad component fails if you select the Schema field during the IQ BulkLoad configuration.

Workaround: Do not select the Schema field when configuring the IQ BulkLoad component.

6.5.3 Required minimum screen resolution of 1024x768 pixels

(CR #481841) The Content Explorer dialog is too large to display when the screen resolution is set to 800x600 pixels.

Workaround: Set the screen resolution to 1024x768 pixels.

6.5.4 Sybase ETL servers fail to load ODBC libraries for Sybase IQ on Sun Solaris and AIX

(CR #480932) The Sybase ETL servers do not load ODBC libraries when you use sudo to execute the *GridNode.sh* file.

Workaround: Add the IQ library directory to the $LD_LIBRARY_PATH or $LIBPATH in the *GridNode.sh* file.

6.6 Sybase Search issue

This section contains information about known Sybase Search issue and its workaround.

6.6.1 Sybase Search service development

Sybase Search does not provide a run-time environment to run Search as a service in production. You should purchase Sybase Real-Time Events (RTE) in order to run Search as a service in production.

❖ **Using SCS from RTE for Search service**

Perform these steps before deploying the Search service:

1   Create a File connection profile for the Service Container in the WorkSpace Enterprise Explorer. If SCS is installed with default options, only a name for the connection profile and the "host" of the Service Container are needed.

2   Select the newly created Service Container connection profile when deploying the Search Service, instead of the default WorkSpace Service Container connection profile.

See "Service Development" in the Sybase WorkSpace Documentation for details on connection profiles and deployment.

7. Documentation updates and clarifications

This section describes updates and clarifications for DI Suite 1.2 documentation.

7.1 Data Federation documentation

This section discusses updates and clarifications to the Data Federation documentation.

7.1.1 Documentation for WorkSpace Data Federation

The documentation for WorkSpace Data Federation, formerly Avaki® Studio has been incorporated into the online help in Sybase WorkSpace, and is no longer published in PDF form.

To find the WorkSpace Data Federation online help collection, select Help | Help Contents from the main window of WorkSpace 2.0, then expand Sybase WorkSpace and Data Federation in the left pane.

7.2 Replication documentation

This section discusses updates and clarifications to the Replication documentation.

7.2.1 Replication Server Manager not supported

Replication Server Manager™ (RSM) is described in Replication Agent documentation, however, RSM is not supported in DI Suite 1.2. Replication Monitoring Services replaces RSM in Replication Server 15.0, which is part of Replication and Real-Time Events, components of DI Suite 1.2.

7.2.2 *sa_role* is required for *RSSD_primary_user* in upgrading from Replication Server 12.*x* to Replication Server 15.0.1

(CR#479498) In Chapter 3,"Upgrading or Downgrading an Existing Replication Server 12.6 or Earlier"of the *Replication Server Configuration Guide*, the replication_role specified in step 4 under the "Upgrading an RSSD" procedure should be replaced with sa_role; this is the role required for *RSSD_ primary_user*.

8. 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.

9. 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/.

9.1 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.

9.2 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.

9.3 Eclipse documentation

To access Eclipse 3.1.2 documentation on the Web, point your Web browser to the Eclipse SDK help page at http://help.eclipse.org/help31/index.jsp.

10. 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 Data Integration Suite documentation has 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.

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.