

# Release Bulletin Sybase® Data Integration Suite 1.0 for Microsoft Windows

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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

Data Integration (DI) Suite 1.0 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 in your enterprise.
- Sybase Real-Time Events – proactively captures and moves time-critical events from your heterogeneous data sources to business applications through a messaging infrastructure.

There are two Real-Time Events components you can use to capture data changes and propagate these changes to standard messaging architectures:

- The Real-Time Events component allows you to capture events from databases such as Adaptive Server® Enterprise (ASE) or Oracle and deliver these events to any standard messaging infrastructure such as Java Message Service (JMS) or messaging services from WebSphere MQ. Real-Time Events contains RepConnector™, Replication Server®, and Replication Agent™ subcomponents.
- Real-Time Events ASE Active Messaging allows you to capture events from the ASE database and publish directly to messaging services from WebSphere MQ.
- 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.

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**Note** Sybase ETL is currently available as a standalone product, sold separately from the DI Suite.

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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, and Real-Time Events components of the DI Suite. Sybase WorkSpace is available separately.

## 2.1 Operating system requirements

DI Suite 1.0 is compatible with the following platform and operating system configurations:

- Windows XP Professional (x86) Service Pack 2 (32-bit)
- Windows 2003 (x86) Server:
  - Enterprise Edition Service Pack 1 (32-bit)
  - Standard Edition Service Pack 1 (32-bit)

## 2.2 Related documents

Use the following table to find specific information about DI Suite 1.0:

For information about	See	Available on
How to use DI Suite for your data integration needs	<i>Sybase Data Integration Suite Overview Guide</i>	SyBooks™ CD
DI Suite system requirements and installation instructions	<i>Sybase Data Integration Suite Installation Guide</i>	DI Suite Getting Started CD
Replication issues	Release Bulletins for: <ul style="list-style-type: none"> <li>• Replication Server 15.0</li> <li>• Replication Agent 12.6</li> <li>• Enterprise Connect™ Data Access 12.6.1</li> </ul>	DI Suite Getting Started CD

For information about	See	Available on
Real-Time Events issues	Release Bulletins for: <ul style="list-style-type: none"> <li>• Real-Time Data Services 3.5</li> <li>• EAServer 5.3</li> <li>• RepConnector 15.0</li> </ul>	DI Suite Getting Started CD
Search issues	Release Bulletin for Sybase Search 3.1	DI Suite Getting Started CD
Sybase WorkSpace issues	Release Bulletin for Sybase WorkSpace	Sybase WorkSpace 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 Installation Guide* for complete installation and uninstallation instructions for your platform.

## 4. Security enhancements for Sybase Data Federation

This section contains changes related to security. The enhancements apply only to the Data Federation component of the DI Suite.

### 4.1 JDK/JRE upgrade for Daylight Saving Time change

To adjust to new Daylight Saving Time start and end dates resulting from the United States Energy Policy Act, you must upgrade the JDK/JRE patch level.

For instructions to upgrade JDK/JRE, see *Release Bulletin Sybase Avaki EII 6.2 and 7.0 (Data Federation)*.

## 4.2 JDK/JRE upgrade for security issue

To address a security vulnerability due to implementation of RSA signature verification in SSL or other applications that incorrectly validates forged signatures, you must upgrade the JDK/JRE patch level.

For instructions to upgrade JDK/JRE, see *Release Bulletin Sybase Avaki EII 6.2 and 7.0 (Data Federation)*.

## 5. Known problems

This section describes known issues that exist for DI Suite 1.0.

### 5.1 Highlighted known DI Suite installation issues

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

#### 5.1.1 Implications of installing DI Suite components and Sybase IQ in separate directories

(CR #442869) Installing DI Suite components on a machine with ASE 12.5.4 and Sybase IQ 12.7 previously installed (in separate directories) deletes or removes the Sybase IQ plug-in from Sybase Central™.

*Workaround:* Start Sybase Central and manually register the Sybase IQ plug-in. For information about registering plug-ins in Sybase Central, see the *Sybase Central online help*.

#### 5.1.2 DI Suite installation log file not generated when installer exits due to SySAM license failure

(CR #443084) The DI Suite installation log file (*di\_log.txt*) is generated in the installation directory and is used to troubleshoot errors. However, during the DI Suite 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, at the Windows command prompt, go to the directory that contains the DI Suite setup program and enter:

```
setup.exe -log !path to logfile @ALL
```

For example:

```
setup.exe -log !C:\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.

### 5.1.3 RepConnector cannot restart

(CR #440100) The Real-Time Events subcomponent, RepConnector, cannot restart if DI Suite components and Unwired Accelerator (UA) 8.0 are installed in the same %SYBASE% directory, or if UA 8.0 is subsequently uninstalled.

*Workaround:* Install UA 8.0 in its own directory, for example, in %SYBASE%\ua8, rather than in %SYBASE%.

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**Note** For more information, see the *Unwired Accelerator Installation Guide*.

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### 5.1.4 DI Suite installation fails if username contains non-ASCII characters

(CR #443796, #443861) The DI Suite installation will fail if your username contains non-ASCII characters.

*Workaround:* Only use ASCII characters (for example, “sybase”) in your username.

### 5.1.5 DI Suite installation fails if install image directory contains non-ASCII characters

(CR #443863, #443929) The DI Suite installation will fail if the directory or network share drive that contains the install image includes non-ASCII characters.

*Workaround:* Only use ASCII characters (for example, c:\di\_image) in the install image directory.

### 5.1.6 Data Federation installation fails on Windows 2003

(CR #452152) Data Federation fails to install from the installation media (DVD). This problem occurs only on Windows 2003.

*Workaround:* To install Data Federation successfully, copy the content of the DVD to your hard disk, run the DI Suite installer, and install Data Federation.

### 5.1.7 Data Federation installation fails on localized Windows operating systems

(CR #443778) You cannot successfully install Data Federation on localized Windows operating systems.

*Workaround:* Open a Windows command prompt and use the following commands to launch the DI Suite installer:

```
cd DI_installer_image_directory
setup -P mv_avaki_desktop_icon.active=false
```

If using a response file, you may also add `-P mv_avaki_desktop_icon.active=false` to the file.

### 5.1.8 Running DI Suite installer with UNC paths not supported

(CR #443805) Running the DI Suite installer with UNC (Universal Naming Convention) paths is not supported, and will result in installation errors if attempted. UNC paths are specified in:

```
\\SERVERNAME\SHARENAME
```

where *SERVERNAME* is the server name and *SHARENAME* is the name of the shared resource.

*Workaround:* If the DI Suite installer is located on a remote machine, for example, on a remotely-mounted DVD drive, map a network drive to the remotely shared location, then launch the installer from the mapped network drive.

## 5.2 Highlighted known DI Suite uninstallation issues

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

### 5.2.1 Errors occur when shared DI Suite components are launched after ASE 15.0 is uninstalled

(CR #440527) If you install DI Suite components followed by ASE 15.0 in the same location, subsequently uninstalling ASE 15.0 causes errors when you launch shared DI Suite components (including DSA and SQL Advantage®).

*Workaround:* If ASE 15.0 is installed after DI Suite components:

- Do not uninstall ASE 15.0, or,
- Reinstall the required shared DI Suite components after uninstalling ASE.

### 5.2.2 Shared DI Suite and Sybase IQ components removed during uninstallation

(CR #439889) By default, DI Suite components and Sybase IQ are installed in the same location. As a result, shared components such as JRE may be removed when you uninstall either product.

*Workaround:*

Do not uninstall either product if you want to continue using the other product, or reinstall the required shared components.

### 5.2.3 Errors running Sybase WorkSpace after uninstalling Real-Time Events

(CR #443766) If you install Sybase WorkSpace and Real-Time Events on the same machine, you may encounter errors running Sybase WorkSpace after Real-Time Events is uninstalled. Known causes include EAServer being unable to start and the un-registering of the Adaptive Server Anywhere (ASA) ODBC driver.

*Workaround:* Do not uninstall Real-Time Events if Sybase WorkSpace is still on the machine, or re-install Sybase WorkSpace after uninstalling Real-Time Events.

## 5.3 Highlighted known Real-Time Events issues

This section contains information about known Real-Time Events issues and their workarounds.

### 5.3.1 Sybase Real-Time Events ASE Option renamed

(CR #441905) The Sybase Real-Time Events ASE Option described in the DI Suite installer and online help has been renamed to “Sybase Real-Time Events ASE Active Messaging.”

When you purchase the Real-Time Events ASE Active Messaging component, you receive licenses for both Real-Time Events and Real-Time Events ASE Active Messaging components.

You may install either or both of these components to suit your requirements.



### 5.3.2 DSA erroneously displays ASE plug-in shortcut under Real-Time Events panel

(CR #443627) When the Real-Time Events component is installed, the ASE plug-in shortcut is displayed in DSA, regardless of whether the ASE plug-in is installed. Clicking the ASE plug-in shortcut causes an error, if the ASE plug-in is not installed on your machine.

*Workaround:* None.

### 5.3.3 Cannot connect to ASE after connecting to ASA in DSA

(CR #442007) You cannot connect to ASE after connecting to Adaptive Server Anywhere (ASA) in DSA.

*Workaround:*

- 1 Disconnect from ASA and exit DSA.
- 2 Start DSA and reconnect to ASE.
- 3 Connect to ASA.

### 5.3.4 Cannot export to EAR format in EAServer Manager

(CR #443612) When using EAServer Manager accessed through DSA in Sybase Central, you are unable to export applications to the J2EE enterprise archive (EAR) format. The EAR format is the standard for servers that support J2EE.

*Workaround:* Use jagtool to export applications to EAR format.

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**Note** For information about using jagtool, see the *EAServer System Administration Guide*.

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## 5.4 Highlighted known Data Integration Common Services issues

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

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

### 5.4.1 Installing Sybase IQ with Service Container

(CRs #393025, #424141) When installing Sybase IQ with Service Container, if you first install Service Container, then install Sybase IQ, the EAServer plug-in may not be registered in Sybase Central 4.3.

*Workaround:*

- 1 Before you install Sybase IQ, back up the *.scRepository* file, located in your Sybase Central directory.
- 2 Install Sybase IQ.
- 3 Add the contents of the backed-up *.scRepository* file to the new *.scRepository* file.

### 5.4.2 Java exception when starting or stopping Service Container

(CR #429756) The following exceptions may appear when you try to start or stop Service Container or to deploy a service package:

```
javax.naming.notfoundexception  
  
javax.naming.NamingException: <details of error> Root  
exception is org.omg.CORBA.OBJECT_NOT_EXIST
```

*Workaround:* These exceptions result from port conflicts. For instructions on resolving this conflict, see “Resolving an EAServer RMI Registry Port Conflict” in the *Data Integration Common Services* online topics on your SyBooks CD for Real-Time Events component. Also, see “EAServer RMI default port number.”

### 5.4.3 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. Product compatibilities

Table 1 shows the interoperability matrix for DI Suite components against other Sybase products across different versions.

**Table 1: DI Suite interoperability with other Sybase products**

DI Suite	Compatible Sybase products								
	ASE		Replication Server		Sybase IQ			DirectConnect	Replication Agent
	12.5.x	15.0.x	12.6	15.x	12.5	12.6	12.7	12.x	12.x
Sybase Replication									
Replication Server	n	y	y	y	n	n	y	y	y
DirectConnect	y	y	y	y	y	y	n	y	y
Replication Agents	y	y	y	y	y	y	y	y	y
Sybase Search	y	y	y	y	y	y	y	y	y
Sybase Data Federation	y	y	y	y	y	y	y	y	y
Sybase Real-Time Events									
Replication Server	n	y	y	y	n	n	y	y	y
Replication Agents	y	y	y	y	y	y	y	y	y
RepConnector Server	y	y	y	y	y	y	y	y	y
Sybase Real-Time Events ASE Active Messaging									
ASE messaging libraries	y	y	y	y	y	y	y	y	y

LEGEND: y = compatible; n = not fully compatible

## 7. Documentation updates and clarifications

This section describes updates and clarifications for DI Suite 1.0 documentation.

### 7.1 Data Federation documentation

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

#### 7.1.1 Different program group for Data Federation documentation

After installing the Data Federation component, access Data Federation documentation from Windows by selecting Start | Programs | Sybase | Sybase Data Federation | Documentation. Disregard instructions to access Data Federation documentation from the Avaki Data Grid 7.0 program group on the Windows Start menu.

### 7.1.2 Master index in Data Federation documentation works only with Data Federation installation

(CR #441916) The master index in Data Federation documents, which links all Data Federation documents with a shared index, does not work if you access Data Federation documentation via the SyBooks CD for Data Federation or from the Product Manuals Web page.

*Workaround:* To access Data Federation documentation, after installing the Data Federation component:

- In Windows, select Start | Programs | Sybase | Sybase Data Federation | Documentation,
- Go to *docs* in the Data Federation directory (*DF-7\_0*) and select the appropriate PDFs, or,
- Start DSA and click any of the help links in the Data Federation Web consoles. For information about using DSA with Data Federation, see *Data Services Administrator online help*.

## 7.2 Replication documentation

This section discusses updates and clarifications to the Replication documentation.

### 7.2.1 Informix not supported

Though Informix is described in Replication Agent documentation, Informix is not supported in DI Suite 1.0.

### 7.2.2 Replication Server Manager not supported

Though Replication Server Manager™ (RSM) is described in Replication Agent documentation, RSM is not supported in DI Suite 1.0. Replication Monitoring Services replaces RSM in Replication Server 15.0, which is part of Replication and Real-Time Events, components of DI Suite 1.0.

## 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 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.

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**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.

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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.

