Release Bulletin
Risk Analytics Platform 1.0

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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 release of the product CD, use the Sybase® Technical Library Product Manuals Web site.

Sybase strongly recommends that you always check the online support Web site for the latest software updates (ESD or EBF). See "Sybase EBFs and software maintenance" on page 11 for more information.

❖ **Accessing release bulletins at the Technical Library Product Manuals Web site**

1   Go to Product Manuals at http://www.sybase.com/support/manuals/.

2   Follow the links to the appropriate Sybase product.

3   Select the Release Bulletins link.

4   Select the Sybase product version from the Release Bulletins list.

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® Risk Analytics Platform version 1.0, which is compatible with the following platform and operating system configurations:

•   Microsoft Windows 2003 for 32-bit systems

•   Red Hat Linux EL3.0 (x86) for 32-bit systems

•   Sun Solaris 2.9 for 64-bit systems

•   HP-UX 11.11 PA-RISC for 64-bit systems

•   IBM RISC System/6000 AIX 5.2 for 64-bit systems

The Risk Analytics Platform 1.0 package contains the following components:

•   Sybase IQ 12.6

•   PowerDesigner® 11.0

•   Risk Analytics Platform which includes a data model, configuration scripts, sample data, and sample queries

2.1 Required Sybase IQ version level

After installing Sybase IQ 12.6, you *must* apply Sybase IQ 12.6 ESD #1 or the latest software update for your platform. See "Sybase EBFs and software maintenance" on page 11 for more information on downloading software updates.

3. Special installation instructions

To install Risk Analytics Platform components, see the *Installation and Configuration Guide Risk Analytics Platform*, found on the Getting Started CD for Risk Analytics Platform along with this release bulletin.

For information on other products supported for use with Risk Analytics Platform 1.0, see "Product compatibilities" on page 4.

3.1 Virtual memory setting

The amount of virtual memory available on your system can affect the load time of the sample data. To check the setting of virtual memory on your Windows system, choose Start | Settings | Control Panel | System. On the Advanced tab, click Settings in the Performance panel. In the Performance Options dialog, select the Advanced tab. Check the paging file size setting in the Virtual memory panel. If your system has enough disk space, Sybase recommends setting the total paging file size to 2046 MB while you are loading the sample data into the Sybase IQ database.

3.2 File Download warning

When you start the *Setup.exe* file, Microsoft Internet Explorer may open the File Download dialog box with a warning about the file. You can ignore this warning. Click Open to continue the installation.

3.3 Data load warning

When loading the sample data into the Sybase IQ database, the IQ server may return the following warning:

```
Warning: Partial input record (1 bytes) skipped
at EOF (O/S 13). nnn rows read.
```

You can ignore this warning.

4. Product compatibilities

Risk Analytics Platform 1.0 supports the use of the following products and product levels:

*   Sybase Adaptive Server® Enterprise 12.5.2 GA with 12.5.3 EBF applied

    Linux x86: EBF 12151: 12.5.3 IR
    Windows: EBF 12150: 12.5.3 IR
    Sun Solaris: EBF 12144: 12.5.3 IR
    HP-UX: EBF 12147: 12.5.3 IR
    AIX: EBF 12146: 12.5.3 IR - 64 Bit

*   Sybase Replication Server® 12.6 ESD #4

    Linux x86: EBF 12409: 12.6 ESD #4
    Windows: EBF 12408: 12.6 ESD #4
    Sun Solaris: EBF 12407: 12.6 ESD #4
    HP-UX: EBF 12410: 12.6 ESD #4
    AIX: EBF 12411: 12.6 ESD #4

4.1 Interoperability certification

Risk Analytics Platform 1.0 is certified for the interoperability of Sybase Adaptive Server Enterprise 12.5.3, Sybase Replication Server 12.6, and Sybase IQ 12.6 on the following platforms and operating system versions. Adaptive Server Enterprise 12.5.3, Replication Server 12.6, and Sybase IQ 12.6 were all on the same platform for this certification.

*   Linux:
    Linux version 2.4.21-27.0.2.ELhugemem
    (bhcompile@tweety.build.redhat.com)
    (gcc version 3.2.3 20030502 (Red Hat Linux 3.2.3-47))
    #1 SMP Wed Jan 12 23:24:48 EST 2005

*   Windows 2003 Server

*   Sun Solaris 2.9:
    SunOS 5.9 Generic_117171-17 sun4u sparc SUNW

*   HP-UX PA-RISC B.11.11.0312.4 Gold Application Patches for HP-UX 11i V1, December 2003

*   IBM RISC System/6000 AIX 5.2 Maintenance Level 1 (ML01)

5. Known problems

The following sections describe known issues and provide workarounds or solutions.

5.1 Replication Server error on HP-UX

Replication Server may return the following error on HP-UX:

```
FATAL ERROR #6100 GLOBAL RS(GLOBAL RS) - /rsaiohp.c(213)
    Could not open async device, error 2.
F. 2005/03/30 17:05:39. FATAL ERROR #18028 GLOBAL
RS(GLOBAL SR) -
servmain.c(1548)
    Initialization failed. Server is shutting down.
F. 2005/03/30 17:05:39. FATAL ERROR #18028 GLOBAL
RS(GLOBAL RS) -
servmain.c(304)
    Initialization failed. Server is shutting down.
```

Perform the following steps to correct this problem:

1   Enable asynchronous I/O

To enable asynchronous I/O, install the HP asynchronous I/O driver from the SAM Kernel Configuration menu. Before executing the following instructions, shut down Replication Server.

1. Choose Drivers and set the Pending State for asyncdisk to In.
2. From the Actions menu, rebuild the kernel, and restart the system.
3. At the UNIX command prompt, execute the following statements as "root". The user who is starting Replication Server should either be the owner of the */dev/async* directory, or have write permission on the directory.

```
/etc/mknod /dev/async c 101 4
chmod 0660 /dev/async
chown Sybase /dev/async
```

2   Set permissions

Use the following syntax to set the group permissions:

```
/etc/setprivgrp group_name RTPRIO MLOCK CHOWN
```

Add the following lines to the localrc part of */etc/rc*:

```
#BEGIN_SYBASE
#sa needs these privileges to run ASE Server /*Note
: Ou Rep server */
/etc/setprivgrp user_id RTPRIO MLOCK CHOWN
#END_SYBASE
```

3   Configure the kernel parameter unlockable_mem

Set the unlockable_mem kernel parameter to 50 (4KB pages).

5.2 Replication Server error on AIX

Replication Server may return the following error on AIX:

```
exec(): 0509-036 Cannot load program repserver because
of the following errors:
0509-130  Symbol resolution failed for
          /usr/lib/libc.a(aio.o)
because:
0509-136   Symbol kaio_rdwr (number 0) is not exported
           from dependent module /unix.
0509-136   Symbol listio (number 1) is not exported from
           dependent module /unix.
0509-136   Symbol acancel (number 2) is not exported
           from dependent module /unix.
0509-136   Symbol iosuspend (number 3) is not exported
           from dependent module /unix.
0509-136   Symbol aio_nwait (number 4) is not exported
           from dependent module /unix.
0509-192 Examine .loader section symbols with the
         'dump -Tv' command.
```

Perform the following steps to correct this problem:

1   Enable asynchronous I/O by adjusting the kernel parameters, using the
    System Management Interface Tool (SMIT). This step is mandatory for
    IBM users.

        1. Enter "smit" at the UNIX prompt.
        2. From the Devices menu, select Asynchronous I/O.
        3. Select Change/Show Characteristics of Asynchronous I/O.
        4. Enter the values from the following table:

Table 1: SMIT parameters for asynchronous I/O

SMIT parameter	Value
MINIMUM number of servers	1
MAXIMUM number of servers	10
MAXIMUM number of REQUESTS I/O	4096
Server PRIORITY	39
ASYNC I/O STATE (to be configured at system restart)	Available

2   If your system uses more than seven disks at the same time for
     asynchronous I/O, increase the MAXIMUM number of servers value by 1
     for every active device.

5.3 Sybase IQ 12.6 SYBASE.csh error on HP-UX

The following error may be returned when you execute *SYBASE.csh* installed
by Sybase IQ:

```
Unmatched . "
```

 To correct this problem, modify the *SYBASE.csh* file. The *SYBASE.csh* file is
missing " (a double quote) in the following section of the file:

```
CASE HP-UX

   if ( $?SLIBPATH == 0 ) setenv SLIBPATH " "
   setenv SLIBPATH ${SYB_LIB}:${SHLIB_PATH}"
```

Add the " in the second line before ${SYB_LIB} as follows:

```
CASE HP-UX

   if ( $?SLIBPATH == 0 ) setenv SLIBPATH " "
   setenv SLIBPATH "${SYB_LIB}:${SHLIB_PATH}"
```

5.4 Sybase IQ 12.6 SYBASE.csh error on AIX

The following error may be returned when you execute *SYBASE.csh* installed
by Sybase IQ:

```
Unmatched . "
```

To correct this problem, modify the *SYBASE.csh* file. The *SYBASE.csh* file is missing " (a double quote) in the following section of the file:

```
CASE AIX:

    if ( $?LIBPATH == 0 ) setenv LIBPATH " "
    setenv LIBPATH    ${SYB_LIB}:${LIBPATH}"
    breaksw
```

Add the " in the second line before `${SYB_LIB}` as follows:

```
CASE AIX:

    if ( $?LIBPATH == 0 ) setenv LIBPATH " "
    setenv LIBPATH    "${SYB_LIB}:${LIBPATH}"
    breaksw
```

6. Documentation for this version

All documentation for Risk Analytics Platform version 1.0 is included with your product shipment on CD:

*   The Risk Analytics Platform Getting Started CD contains the release bulletin, installation guide, and user's guide in PDF format. 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 Risk Analytics Platform Getting Started CD also contains the release bulletin, installation guide, and user's guide in HTML format. You can navigate the HTML with an adaptive technology such as a screen reader, or view it with a screen enlarger.

*   The Risk Analytics Platform product CD contains documentation for this release in Adobe Acrobat PDF format and Microsoft Excel format. This documentation is installed in the *\Documentation* subdirectory of the Risk Analytics Platform installation directory.

See the following table for a list of the Risk Analytics Platform 1.0 documentation.

Part number	Document name	Filename
DC00246-01-0100-02	*Release Bulletin Risk Analytics Platform*	*raprb.pdf*
DC00244-01-0100-01	*Installation and Configuration Guide Risk Analytics Platform*	*rapicg.pdf*
DC00245-01-0100-01	*User's Guide Risk Analytics Platform*	*rapug.pdf*
	Risk Analytics Platform Impact Analysis	*RAP_Impact_Analysis.xls*

Note The Microsoft Excel format document *Risk Analytics Platform Impact Analysis* is a list of table and column names used in each sample query, for understanding the impact of model or query changes.

You may also need to refer to the documentation for Sybase IQ 12.6, which is available on the Sybase IQ Sybooks™ CD and on the Infocenter Web site Sybooks Online Help at http://infocenter.sybase.com/help/index.jsp

The PowerDesigner 11.0 documentation is available on the PowerDesigner product CD and on the Sybase Product Manuals Web site. To access this site, go to Product Manuals at http://www.sybase.com/support/manuals/

7. Documentation update

In the *Installation and Configuration Guide Risk Analytics Platform*, add the following note to Step 6 in the Chapter 2, "Database Setup for Risk Analytics Platform" section "Producing DDL from the data model in PowerDesigner."

Note If you select User-defined type in the Columns panel of the Tables & Views tab, you *must also* select Create data type in the User-defined data types panel of the Database tab. PowerDesigner generates correct data types in the DDL script, even if you do not select this pair of options.

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

The Sybase Infocenter Web site includes an online version of the Risk Analytics Platform product manuals that you can access using a standard Web browser.

To access the Infocenter Web site, go to Sybooks Online Help at http://infocenter.sybase.com/help/index.jsp

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   Select Document Types from the navigation bar on the left.

3   Select Certification Report from the navigation bar on the left.

4   Select a product name, a platform, a time frame, and click Go.

> **Note** The Product Family for Risk Analytics Platform 1.0 is Sybase IQ.

5   Click a Certification Report title to display the report.

Current certification information is also available on the Web under Availability & Certification Reports at http://certification.sybase.com/

❖ **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.

Note The Product Family for Risk Analytics Platform 1.0 is Sybase IQ.

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.

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.

The Risk Analytics Platform 1.0 documentation complies 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.

For information about accessibility support in the Sybase IQ plug-in for Sybase Central™, see "Using accessibility features" in Chapter 1, "Introducing Sybase IQ" in *Introduction to Sybase IQ*. The online help for Sybase IQ, which you can navigate using a screen reader, also describes accessibility features, including Sybase Central keyboard shortcuts.

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.