



Release Bulletin

**Replication Server[®] Data
Assurance Option 15.7**

DOCUMENT ID: DC01638-01-1570-01

LAST REVISED: December 2011

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Product Summary

This release bulletin provides late-breaking information about Replication Server® Data Assurance (DA) Option. A more recent version may be available on the Web.

Replication Server DA Option compares row data and schema between two or more Adaptive Server® databases, and reports discrepancies.

Replication Server DA Option supports these operating systems:

- HP/HP-UX
- IBM AIX
- Linux
- LinuxPower
- Solaris
- Windows

You must install the relevant Microsoft Visual Studio 2005 patch for your x86 or x64 Windows platform before you start the installation. Download Microsoft Visual C++ 2005 Service Pack 1 Redistributable Package ATL Security Update at <http://www.microsoft.com/download/en/details.aspx?amp;displaylang=en&id=26347>.

For information about accessibility, see *Accessibility Features* in this release bulletin.

Product Compatibility

These server versions are supported by Replication Server DA Option.

Server	Version
Replication Server	15.1 and later
Adaptive Server Enterprise (ASE)	15.0.3 and later

Installation and Upgrade

Get last-minute information about installation and upgrading that was omitted from or incorrect in your installation guide, or that needs special emphasis.

For detailed information about installing and upgrading DA server and agents, see the *Replication Server Data Assurance Option Installation Guide*.

Known Issues

Learn about known issues and workarounds for Replication Server DA Option.

Find issues by Change Request (CR) number.

CR#	Description
691068	<p>Comparison jobs do not support identifiers that use nonalphabetic characters or reserved keywords.</p> <p>The tables being compared in a job must not have table or column names containing nonalphabetic characters. For example:</p> <pre>create table a_table (id int not null, [a/column] varchar(10) not null)</pre> <p>Because the table a_table has a column named a/column containing the nonalphabetic character /, any job comparing a_table will fail with this error:</p> <pre>java.sql.SQLException: Incorrect syntax near "/"</pre> <p>Adaptive Server Enterprise considers the _, @, #, and \$ characters to be alphabetic. Of these, DA supports @, #, and \$, but only if the identifiers containing these characters are quoted in the compareset definition. For example:</p> <pre>create compareset egl with source conn1 dbo "men@work" s target conn2 dbo "men@work" t map all go</pre> <p>Where the table name men@work is quoted.</p> <p>The tables being compared in a job must not use reserved words for table or column names. For example:</p> <pre>create table [grant] (id int not null, amount money not null)</pre> <p>Because grant is a reserved keyword, any job comparing the table named grant will fail. For a list of words that are reserved in ASE, see <i>Adaptive Server Enterprise 15.7 Quick Reference Guide > Reserved words</i>.</p> <p>Workaround: Do not use nonalphabetic characters or reserved keywords as identifiers. Quote identifiers that use the @, #, and \$ characters.</p>

CR#	Description
<p>689290</p>	<p>Cannot start Replication Server DA Option uninstaller on Windows when Replication Server DA Option has been installed after Event Stream Processor.</p> <p>If you installed Replication Server 15.7 DA Option on a Windows machine after installing Sybase® Event Stream Processor version 5.0, and both products were installed into the same directory, an error similar to this occurs when you launch the Replication Server uninstaller:</p> <pre>ZeroGu5: C:\Sybase\sybuninstall\da\resource\iawin32.dll not found at ZeroGa2.b(DashoA10*..) at ZeroGa2.b(DashoA10*..) at com.zerog.ia.installer.LifeCycleManager.b(Da- shoA10*..) at com.zerog.ia.installer.LifeCycleManager.a(Da- shoA10*..) at com.zerog.ia.installer.Main.main(DashoA10*..) at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method) at sun.reflect.NativeMethodAccessorImpl.invoke(Unknown Source) at sun.reflect.DelegatingMethodAccessorImpl.invoke(Un- known Source) at java.lang.reflect.Method.invoke(Unknown Source) at com.zerog.lax.LAX.launch(DashoA10*..) at com.zerog.lax.LAX.main(DashoA10*..)</pre> <p>Workaround: Copy the <code>iawin32.dll</code> file from <code>%SYBASE%\sybuninstall\ESP\main\resource</code> to <code>%SYBASE%\sybuninstall\da\resource</code>, and then launch the Replication Server uninstaller.</p>
<p>666694</p>	<p>The DA Server license is not checked in after the JVM is terminated with Ctrl +C.</p> <p>If the JVM for the DA Server process crashes or is killed from the operating system, DA Server cannot complete tasks it would normally perform before shutdown, such as checking in the license. DA Server may also not check in the license if its JVM is killed with Ctrl+C on a Windows machine.</p> <p>Workaround: Stop DA server from <code>isql</code> with the Replication Server shutdown command.</p>

CR#	Description
669658	<p>The SySAM utility file <code>sysamcap</code> does not display encrypted string and host ID on VMWare vSphere console.</p> <p>If you want to use a machine-level license on VMWare vSphere VM, you need to run <code>./sysamcap machine</code> or <code>./sysamcap partition</code> on the VSphere console, but this command does not display the host ID, which you need to generate a license.</p> <p>Workaround: Change the content of <code>/etc/vmware-release</code> file to include "Server":</p> <pre>[root@idigaesx4 remotel]# cat /etc/vmware-release VMware ESX Server 4.0 (Kandinsky)</pre>
656778	<p>Uninstallation issues occur when Replication Server DA Option is installed in the same directory as older Sybase® products which used InstallShield.</p> <p>If new Sybase products that use InstallAnywhere (like DA option) are installed in the same directory as the older Sybase products which used InstalledShield, uninstalling one of the products may make the others unusable because some of the shared components are removed by the uninstaller.</p> <p>For example, if DA is installed in the same directory as Replication Server 15.2 and Replication Manager (RM) plug-in 15.2, and the RM plug-in is uninstalled, the DA server cannot be started because the JRE on the <code>/shared</code> directory has been removed.</p> <p>Workaround: Install DA in a separate directory.</p> <hr/> <p>Note: If you have already installed a new product in the same directory as the other older products, do not uninstall.</p>
656068	<p>Starting DA server or agent on Windows 7 fails</p> <p>DA server or agent can not start properly on Windows 7 if you run the <code>RUN_<instance>_32.bat</code> or <code>RUN_<instance>_64.bat</code> script using the Run option.</p> <p>Workaround: Use the Run as Administrator option instead of the Run option when running the start-up scripts.</p>
656061	<p>Sybase Central fails to start after installing Replication Manager plug-in 15.2 in the same directory as Replication Server DA Option</p> <p>If you install Replication Manager plug-in in the same directory as DA Option and the machine has Microsoft Visual C++ 2005 Redistributable Package for DA Option, the value of <code>JRE_DIRECTORY</code> in the <code>scjview.ini</code> file is changed from <code>%SYBASE%\Shared\JRE-6_0_6_32BIT</code> to <code>%SYBASE%\Shared\JRE-6_0_6_64BIT</code>, which causes error when starting Sybase Central.</p> <p>Workaround: Change the <code>JRE_DIRECTORY</code> value in the <code>scjview.ini</code> file to <code>%SYBASE%\Shared\JRE-6_0_6_32BIT</code>.</p>

Known Issues

CR#	Description
625227	<p>SPDC-generated served partition-level license may not work.</p> <p>When you use a served partition-level license generated from the Sybase Product Download Center to start a SySAM server, you see a message that you are using an invalid license key, similar to:</p> <pre>(SYBASE) Invalid license key (inconsistent authentication code) (SYBASE) License server system started on hpiabou (SYBASE) No features to serve, exiting (SYBASE) EXITING DUE TO SIGNAL 49 Exit reason 4 (lmgrd) SYBASE exited with status 49 (No features to serve) (lmgrd) SYBASE daemon found no features. Please correct (lmgrd) license file and re-start daemons. (lmgrd) (lmgrd) This may be due to the fact that you are using (lmgrd) a different license file from the one you expect. (lmgrd) Check to make sure that: (lmgrd) /remote/cat_fc/nli/iq152.hpia/SYSAM-2_0/licenses/18965_hpiabou_ (lmgrd) is the license file you want to use.</pre> <p>Workaround: Use the old host IDs for the license running on the license server.</p>

Documentation Changes

The "Changing the da_admin Password" topic must be included in the Replication Server Data Assurance Users Guide.

Changing the da_admin Password

Modify the da_admin password on either a DA server or DA agent.

1. To change the da_admin password for a DA server:
 - a) Navigate to `$Sybase\DA-15_5\server\\security\.`
 - b) Run the platform-dependent command.
 - Windows
`passwd.bat`
 - UNIX
`./passwd.sh`
 - c) Follow the on-screen instructions. Restart the DA server for the password change to take effect.
2. To change the da_admin password for a DA agent:
 - a) Navigate to `$Sybase\DA-15_5\agent\\security\.`
 - b) Run the platform-dependent command.
 - Windows
`passwd.bat`
 - UNIX
`./passwd.sh`
 - c) Follow the on-screen instructions. Restart the DA agent for the password change to take effect.

If the DA agent is in use within a DA deployment, the agent connection settings have to be updated with the new password.

Obtaining Help and Additional Information

Use the Sybase Getting Started CD, Product Documentation site, and online help to learn more about this product release.

- The Getting Started CD (or download) – contains release bulletins and installation guides in PDF format, and may contain other documents or updated information.
- Product Documentation at <http://sybooks.sybase.com/> – is an online version of Sybase documentation that you can access using a standard Web browser. You can browse documents online, or download them as PDFs. In addition to product documentation, the Web site also has links to EBFs/Maintenance, Technical Documents, Case Management, Solved Cases, Community Forums/Newsgroups, and other resources.
- Online help in the product, if available.

To read or print PDF documents, you need Adobe Acrobat Reader, which is available as a free download from the *Adobe* Web site.

Note: A more recent release bulletin, with critical product or document information added after the product release, may be available from the Product Documentation Web site.

Technical Support

Get support for Sybase products.

If your organization has purchased a support contract for this product, then one or more of your colleagues is designated as an authorized support contact. If you have any questions, or if you need assistance during the installation process, ask a designated person to contact Sybase Technical Support or the Sybase subsidiary in your area.

Downloading Sybase EBFs and Maintenance Reports

Get EBFs and maintenance reports from the Sybase Web site.

1. Point your Web browser to <http://www.sybase.com/support>.
2. From the menu bar or the slide-out menu, under **Support**, choose **EBFs/Maintenance**.
3. If prompted, enter your MySybase user name and password.
4. (Optional) Select a filter from the **Display** drop-down list, select a time frame, and click **Go**.
5. Select a product.

Padlock icons indicate that you do not have download authorization for certain EBF/Maintenance releases because you are not registered as an authorized support contact. If

Obtaining Help and Additional Information

you have not registered, but have valid information provided by your Sybase representative or through your support contract, click **My Account** to add the “Technical Support Contact” role to your MySybase profile.

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

Sybase Product and Component Certifications

Certification reports verify Sybase product performance on a particular platform.

To find the latest information about certifications:

- For partner product certifications, go to http://www.sybase.com/detail_list?id=9784
- For platform certifications, go to <http://certification.sybase.com/ucr/search.do>

Creating a MySybase Profile

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

1. Go to <http://www.sybase.com/mysybase>.
2. Click **Register Now**.

Accessibility Features

Accessibility ensures access to electronic information for all users, including those with disabilities.

Documentation for Sybase products is available in an HTML version that is designed for accessibility.

Vision impaired users can navigate through the online document with an adaptive technology such as a screen reader, or view it with a screen enlarger.

Sybase HTML documentation has been tested for compliance with accessibility requirements of Section 508 of the U.S Rehabilitation Act. 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 may 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 the Sybase Accessibility site: <http://www.sybase.com/products/accessibility>. The site includes links to information about Section 508 and W3C standards.

You may find additional information about accessibility features in the product documentation.

Obtaining Help and Additional Information