

Release Bulletin OpenSwitch™ 15.1 for Microsoft Windows and UNIX

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1. Electronic Bug Fix (EBF) downloads for security fixes

Due to possible security vulnerabilities, Sybase® strongly recommends that you use the appropriate EBF to fix these issues. For instructions, see Urgent Customer Notification Web Page at

[http://www.sybase.com/detail_list?id=9812&pageNum=1&multi=true&show=2367&show2=&timeframe=.](http://www.sybase.com/detail_list?id=9812&pageNum=1&multi=true&show=2367&show2=&timeframe=)

Known issues described in this release bulletin may have been fixed in other EBFs released for this product. Get EBFs and maintenance reports describing latest fixes from the Sybase Support Page at <http://www.sybase.com/support>.

2. 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 Documentation Web site.

❖ Accessing release bulletins at the Sybase Product Documentation Web site

- 1 Go to Product Documentation 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.

3. Product summary

Enclosed is Sybase OpenSwitch™ 15.1, which is compatible with:

- HP-UX 11i v1 (11.11) – recommended operating system patches are:
 - PHCO_25841
 - PHKL_26269
 - PHKL_25760
- IBM AIX 5.2

- IBM Linux on POWER, RedHat AS release 3.0
- Linux RedHat AS release 3.0
- Sun Solaris 2.8 – patch level 108528-20 or later
- Windows 2000 version 5.0 – Service Pack 4 or later
- Windows 2003 Enterprise Edition – Service Pack 1 or later

If your operating system requires patches, install them before you install OpenSwitch components. See the *OpenSwitch Installation Guide* for your platform for more details.

For a complete list of patches, contact your operating system representative. Do not use a patch that is earlier than the version suggested for your operating system. Use the patch recommended by the operating system vendor, even if it supersedes the patch listed.

For a complete list of supported operating systems on each platform, see the Sybase platform certification site at <http://certification.sybase.com/ucr/search.do>.

3.1 Sybase Software Asset Management 2.0

OpenSwitch 15.1 on IBM Linux on POWER 32-bit platform does not support Sybase Software Asset Management (SySAM) 2.0 for license administration and the asset management tasks.

4. New and changed functionality

The *OpenSwitch 15.1 New Features Guide* describes new features and updated functionality in this version. You can view this guide on the Sybase Product Documentation Web site at <http://www.sybase.com/support/manuals/>.

5. Known limitations of mutually aware OpenSwitch

This section describes some known limitations with the mutually aware OpenSwitch feature.

5.1 Mutually aware support OpenSwitch does not propagate some functions

A mutually aware OpenSwitch does not propagate the following functions to its companion:

- `rp_pool_addserver`
- `rp_pool_remserver`
- `rp_pool_addattrib`
- `rp_pool_remattrib`
- `rp_pool_cache`

If you issue any of these commands on a companion server, manually repeat the commands on the other companion. In addition, check that your coordination module applications do not contain the equivalent of these commands. If they do, you must find a way to notify the administrator when the commands are called by the coordination module, so that the administrator can manually repeat the same commands on the other companion OpenSwitch.

5.2 Inconsistent mutually aware cluster setting causes error

- In a mutually aware cluster, all OpenSwitch servers in the cluster must have `MUTUAL_AWARE` set to 1. If one of the OpenSwitch companion servers does not have `MUTUAL_AWARE` set to 1, the other OpenSwitch companion server marks that server as “down.” This inconsistency is recorded in the error log.
- If both OpenSwitch servers are started with the `-O` option, the second OpenSwitch server does not start and the following error occurs:

Can not start with override option when companion is already running.

See “Using command line options,” in Chapter 4, “Starting and Stopping OpenSwitch and RCMs” in the *OpenSwitch Administration Guide*.

6. Known problems

This section describes known problems.

6.1 Exception error in OpenSwitch Manager

[CR #486887] *Windows only* – OpenSwitch Manager displays `java.lang.ArrayIndexOutOfBoundsException` error and does not connect to the OpenSwitch server running on the Windows platform.

Workaround: None.

6.2 Running *bcp* through OpenSwitch can cause failures

[CR #462831, CR #427175] Using *bcp* in OpenSwitch causes these failures:

- Data may be corrupted when you use *bcp* in OpenSwitch to load data in tables defined with default values for columns.
- *bcp* cannot load image data with format file when executed through OpenSwitch.

Workaround: Invoke *bcp* directly against the backend Adaptive Server®.

6.3 *Wide_dynamic.c* sample program fails when executed in OpenSwitch

[CR #461354] With Open Client/Server™ 15.0 ESD#3 and later, a problem in the Client-Library samples causes the *wide_dynamic.c* sample program to fail when you execute it in OpenSwitch.

Workaround: None.

6.4 Inaccessible NFS-mounted device causes InstallShield to stop responding

[CR #402530] If you have an inaccessible NFS-mounted device, InstallShield may stop responding and display:

```
Performing install checks. Please wait ...
```

The console from which you executed the installation displays a message similar to:

```
NFS3 server not responding still trying
```

Verify this problem by attempting to execute *df -P* from a command prompt.

Workaround:

- 1 Stop the installation process.
- 2 Unmount the inaccessible device.
- 3 Retry the installation.

7. Product compatibilities

OpenSwitch 15.1 is compatible with:

- Adaptive Server® Enterprise versions 12.0, 12.5, 12.5.x, and 15.0
- Replication Coordination Module versions 12.5, 12.5.1, and 15.0

RCM 15.1 is compatible with:

- OpenSwitch version 15.0
- Adaptive Server Enterprise versions 12.0, 12.5, 12.5.x, and 15.0
- Replication Server® versions 12.0 through 12.6

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 and the Sybase Product Documentation Web site to learn more about your product:

- The Getting Started CD contains release bulletins and installation guides 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 Sybase Product Documentation Web site is accessible using a standard Web browser. In addition to product documentation, you will find links to EBFs/Maintenance, Technical Documents, Case Management, Solved Cases, newsgroups, and the Sybase Developer Network.

To access the Sybase Product Documentation Web site, go to Product Documentation 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 Partner Certification Report.
- 3 In the Partner Certification Report filter select a product, platform, and timeframe and then click Go.
- 4 Click a Partner 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.

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.

OpenSwitch version 15.1 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.

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.
