Release Bulletin
Open Server™ 15.7
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 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.

3   Select a product version from the Document Set list.

4   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

Sybase Open Server™ version 15.7 is compatible with these operating system configurations.

• Microsoft Windows x86 32-bit

• Microsoft Windows x86-64 64-bit

For the most current list of supported operating systems, see the Sybase platform certifications page at http://certification.sybase.com/ucr/search.do. For a list of platforms, compilers, and third-party products Open Server is built and tested on, see the *New Features Bulletin Open Server 15.7 and SDK 15.7 for Windows, Linux, and UNIX*.

2.1 Product components

For a list of Open Server components and the platforms on which these components are supported, see the *New Features Bulletin Open Server 15.7 and SDK 15.7 for Windows, Linux, and UNIX*.

For Windows, Sybase has tested and certified the following compilers and linkers for use with Open Server:

- Microsoft Visual Studio 2005 32-bit and 64-bit C/C++ Compiler, version 14.00.50727.762.

- Microsoft Visual Studio 2005 32-bit and 64-bit Executable Linker, version 8.00.50727.762.

2.2 IPv6 support

As of this release, Open Server on Microsoft Windows platforms supports IPv6. Below is a *sql.ini* file entry where the last two server addresses are in IPv6 numeric format:

```
[BARNARD_OS]
master=tcp,barnards.sybase.com,18200
query=tcp,barnards.sybase.com,18200
master=tcp,barnards.v6.sybase.com,18200
query=tcp,barnards.v6.sybase.com,18200
master=tcp,fd77:55d:59d9:165:203:baff:fe68:aa12,18200
query=tcp,fd77:55d:59d9:165:203:baff:fe68:aa12,18200
```

2.3 Sample files

You can find sample files in the Open Server installation directory *%SYBASE%\%SYBASE_OCS%\sample*.

3. Special installation and configuration instructions

See the *Software Developer's Kit and Open Server Installation Guide* for your platform for instructions about installing Open Server. If applicable, see "Guidelines for installing Open Server with other Sybase products" on page 9 of this release bulletin.

Warning! If you install both Open Server and SDK in the same directory, Sybase recommends that you use the same version and ESD levels. Because Open Server and SDK share files, using different version and ESD levels can cause product failures.

For instructions on configuring your environment, see the *Open Client and Open Server Configuration Guide* for your platform.

For information on compiling and executing Open Client™ and Open Server applications, including the sample programs, see the *Open Client and Open Server Programmers Supplement* for your platform.

3.1 Installing EBFs

To ensure that your installation is the most current, Sybase strongly recommends that, after installing Open Server, you download and install the corresponding latest available EBF. You can download product updates from Sybase Downloads at http://downloads.sybase.com.

Each Open Server release includes a subset of the SDK. Thus, Open Server EBFs contain two separate version strings: one for the Open Server EBF, and one for the SDK files such as Client-Library, isql, and bcp.

For example, in an Open Server product, the Server-Library version string might be *Server-Library/15.7/P-EBF17391-17390*, and the Client-Library string might be *Client-Library/15.7/P-EBF17930*. In these version strings, 17931 identifies the Open Server EBF, and 17930 identifies the Client-Library file as well as other SDK files.

To verify that you are using the correct version of Open Server, check the version string of the Open Server library:

```
find "Sybase" %SYBASE%\OCS-15_0\dll\libsybsrv.dll
```

3.2 Running InstallAnywhere and InstallShield Multiplatform installers

Some of the files generated by InstallAnywhere and InstallShield Multiplatform share the same file names. This becomes an issue when you use both InstallAnywhere and InstallShield technologies to install or uninstall products in the same installation directory, because files that are used by both installers are overwritten or removed without warning. Sybase recommends that you do not use InstallShield and InstallAnywhere to install to or uninstall from the same installation directory.

3.3 Running different versions of Open Server on Microsoft Windows

In a heterogeneous environment that uses applications built for different versions of Open Server, you must explicitly set a path for each version at the command prompt.

In the following example, applications using the 12.5.*x* products are installed in the *d:\ocs-1251* directory and applications using the 15.7 products are installed in the *d:\ocs-150* directory:

1   To use Open Server 12.5.*x*, open a Command Prompt window and set the SYBASE and SYBASE_OCS environment variables to the 12.5.*x* directory. For example:

```
set SYBASE=D:\ocs-1251
set SYBASE_OCS=OCS-12_5
```

2   In the same Command Prompt window, set the PATH environment variable. For example:

   •   On Microsoft Windows x86 32-bit:

```
set PATH=%SYBASE%\%SYBASE_OCS%\bin;%SYBASE%\%SYBASE_OCS%\dll;
%SYBASE%\%SYBASE_OCS%\lib3p;%PATH%
```

   •   On Microsoft Windows x86-64 64-bit:

```
set PATH=%SYBASE%\%SYBASE_OCS%\bin;%SYBASE%\%SYBASE_OCS%\dll;
%SYBASE%\%SYBASE_OCS%\lib3p64;%SYBASE%\%SYBASE_OCS%\lib3p;%PATH%
```

3   To use Open Server 15.7, open another Command Prompt window and set the SYBASE and SYBASE_OCS environment variables to the 15.7 directory, for example:

```
set SYBASE=D:\ocs-150
set SYBASE_OCS=OCS-15_0
```

4   In the same Command Prompt window, set the PATH environment variable. For example:

   •   On Microsoft Windows x86 32-bit:

```
set PATH=%SYBASE%\%SYBASE_OCS%\bin;%SYBASE%\%SYBASE_OCS%\dll;
%SYBASE%\%SYBASE_OCS%\lib3p;%PATH%
```

   •   On Microsoft Windows x86-64 64-bit:

```
set PATH=%SYBASE%\%SYBASE_OCS%\bin;%SYBASE%\%SYBASE_OCS%\dll;
%SYBASE%\%SYBASE_OCS%\lib3p64;%SYBASE%\%SYBASE_OCS%\lib3p;%PATH%
```

Although you must install different versions in separate directories, you can maintain a single *sql.ini* file by passing the address file name explicitly to each application, for example:

```
isql -P -Usa -Sconnect50 -ID:\ocs-150\ini\sql.ini
```

4. Changed functionality in this version

Changed functionality for Open Server is described in the *New Features Bulletin Open Server 15.7 and SDK 15.7 for Windows, Linux, and UNIX.*

5. Known problems

This section describes all of the known issues that exist for this version.

5.1 Open Server requires components of Microsoft Visual C++ libraries

[CR #555455]   Open Server requires components of Microsoft Visual C++ libraries.

Workaround: To use Open Server on Microsoft Windows, download and install the Microsoft Visual C++ 2005 Service Pack 1 Redistributable Package:

*   Download the package for Microsoft Windows x86 32-bit at
    http://www.microsoft.com/downloads/en/details.aspx?FamilyID=200B2FD9-
    AE1A-4A14-984D-389C36F85647.

*   Download the package for Microsoft Windows x86-64 64-bit at
    http://www.microsoft.com/downloads/en/details.aspx?FamilyID=EB4EBE2D-
    33C0-4A47-9DD4-B9A6D7BD44DA.

5.2 Installer issues

This section describes the known problems you might encounter when installing Open Server.

5.2.1 Installer cannot create installer directory on Microsoft Windows 2008

[CR #595614]   On Microsoft Windows 2008, the installer can create the Open Server installation directory only when you are logged in as an administrator, even if your role has permission to create directories.

Workaround: Manually create the installation directory before running the installer.

5.2.2 Cannot navigate the Choose Product Features window with a keyboard

[CR #590282]   You cannot use the Tab and arrow keys to navigate the Choose Product Features window of the installation or uninstallation program.

Workaround: Use the mouse to click the Choose Product Features window. This sets the focus on the window and you will be able to use your keyboard.

5.2.3 Console mode incorrectly displays western character sets

[CR #588179]   When installing in console mode, some western characters display incorrectly.

Workaround: Before you install Open Server:

1   Open a Command Prompt window.

2   Run chcp 1252 to change the code page to 1252.

3   Right-click the Command Prompt window title and select Properties. In the Font tab, select "Lucida Console" and click Ok.

4   Use the same Command Prompt window to run the installer in console mode.

5.2.4 Feature names are not validated when installing in silent mode

[CR #583979]   The installer does not validate feature names specified in the response file when you install in silent mode.

Workaround: Ensure that the specified feature names are correct.

5.3 Availability with 64-bit libraries

Open Server is available on 64-bit versions. Use the -DSYB_LLP64 flag to compile applications that use the 64-bit libraries.

6. Programming issues

This section describes programming issues relevant to Open Server.

6.1 Upgrading to a new version

For dynamically linked Open Server applications (srvlib), Sybase recommends that you recompile and relink using the SDK libraries that now include "syb" in the library names.

Note If you have made any changes to the application files, you must recompile.

Ensure that the runtime libraries are for the same major release as the version used to build the application.

6.2 System path restriction

Do not create a system path larger than 1K.

6.3 Open Server routines not supported

Certain Open Server routines are not supported on Windows platforms. Although you can use srv_capability to determine whether a routine is supported, the Open Server DLL does not provide stub points to resolve link-time dependencies. If a portable application uses any of the following Open Server routines, make sure that it calls srv_capability to determine the availability of the routine and to provide a Windows-specific stub module for linking:

- srv_poll

- srv_select

- srv_signal

- srv_sigvec

- srv_dbg_stack

7. Product compatibility and interoperability

This section contains information about products that are compatible with Open Server 15.7 For a list of platforms, compilers, and third-party products Open Server is built and tested on, see the *New Features Bulletin Open Server 15.7 and SDK 15.7 for Windows, Linux, and UNIX.*

7.1 Compatibility and interoperability matrix

Table 1 shows the compatibility and interoperability matrix of Open Server, SDK, Adaptive Server® Enterprise, and Replication Server® across versions. For specific platform information, refer to the respective product certification reports.

Although two or more products can be interoperable, remember that new features introduced in a newer version of a product may not be supported with older versions of the same or other products.

Table 1: Compatibility and Interoperability matrix

Open Server 15.7	SDK			Adaptive Server				Replication Server					
	15.7	15.5	15.0	15.7	15.5	15.0.x	12.5.x	15.7	15.5	15.2	15.1	15.0.1	12.6
Microsoft Windows x86 32-bit	x	x	x	x	x	x	x	x	x	x	x	x	x
Microsoft Windows x86-64 64-bit	x	x	x	x	x	x	n/a	x	x	n/a	n/a	n/a	n/a

LEGEND: x = compatible; n/a = product not available or does not work with Open Server on that platform.

Note The SDK and Open Server compatibility information shown in Table 1 is relevant only if the compatible products are installed in different *%SYBASE%* directories. See "Running different versions of Open Server on Microsoft Windows" on page 4.

Additional considerations

- For Open Server and SDK to be compatible, header files included in an application must be the same version level as the library with which the application is linked.

- Bulk-Library routines cannot be used in applications that call Open Server.

- Open Server applications that are based on DB-Library™ are not supported in version 11.*x* or later.

7.2 Guidelines for installing Open Server with other Sybase products

Follow these guidelines if you are installing Open Server on the same server with other Sybase products:

- Use *.bat* files to ensure that each product is started with the correct Open Server version and environment variables.

- Sybase recommends that you do not mix versions of SDK and Open Server in the same directory. For example, do not install SDK 15.7 in a directory containing Open Server 15.5—in this case, upgrade both SDK and Open Server to 15.7.

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.

Open Client and Open Server 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.