



Release Bulletin

Sybase Unwired Platform 2.0

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Product Summary

This release bulletin discusses known issues, workarounds, as well as late-breaking documentation updates for Sybase® Unwired Platform version 2.0.

For information about new features in this version, see the *New Features Guide*.

For information about accessibility, see *Accessibility Features* on page 15.

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.

When Enterprise Developer Edition is installed in a cluster, all cluster nodes must be 32-bit or they all must be 64-bit. Mixing 32-bit systems and 64-bit systems is not supported.

You can upgrade from an existing Sybase® Unwired Platform version 1.5.5 installation to version 2.0.

When all Unwired Platform components are installed on a single host, a personal firewall application (host-based intrusion prevention software) may prevent Unwired Platform services from starting. See *Handling Intrusion Detection/Prevention Software* in the *Installation Guide*.

See the *Sybase Unwired Platform Installation Guide* for upgrade and migration information.

Known Issues for Unwired Server

Learn about known issues and apply workarounds for Unwired Server.

CR #	Description
667328 and 666073	<p>Cluster synchronization issues with clustered environments that support multiple tenants.</p> <p>Although the package appears to have been successfully deployed to multiple domains, the secondary server node reports this error:</p> <pre>2011-04-21 10:16:09.490 ERROR MMS Scheduled-Task:SynchronizeNode [com.sybase.sup.server.cluster.ClusterUtils] Cluster Synchronization failed. Message : Package properties file not found: d2_dept.1_0 com.sybase.djc.repository.PropertiesNotFoundException: Package properties file not found: d2_dept.1_0</pre> <p>This error occurs when package is deployed in quick succession to multiple domains.</p> <p>Workaround: None. This should auto-correct in the subsequent cluster synchronization, which typically takes about a minute.</p>
631466	<p>When you use "asadbserve.bat stop" to stop a server service, you may encounter an error where the server service stops, but the database service keeps running.</p> <p>This may occur because the default timeout for a Windows service is 20 seconds, which does not give the database service enough time stop.</p> <p>Workaround: Run reconfigure-mms.bat, then use Windows Services to manually stop the database service. For details, see <i>System Administration of the Unwired Platform > System Reference</i>.</p>
628914	<p>If you are already using a messaging application with one relay server, you cannot switch to another relay server in the same application during runtime.</p> <p>Workaround: Uninstall, then reinstall, the current messaging application on the device. Before you use the messaging application after the reinstallation, change the relay server information in the Profile screen.</p>
576726	<p>The full range of valid values is not supported if the attribute uses the default datatype (<code>int</code>) for an Adaptive Server® Anywhere database column of type <code>unsigned int</code>.</p> <p>Workaround: To support the full range of valid values for an <code>unsigned int</code> attribute, set the datatype for the attribute as <code>long</code>.</p>

Known Issues for Sybase Control Center

Learn about known issues and apply workarounds for Sybase Control Center.

CR #	Description
666111	<p>Error message misleading when administrator has no login privileges.</p> <p>When a user tries to log in to Sybase Control Center without administration privileges, the following error is displayed: <i>Incompatible server</i>. Ensure that the server and client both have the same version.</p> <p>Workaround: Ensure the user has been added to the security repository used for Sybase Control Center authentication and that the user has the correct administration role assigned for either platform or domain administration. For details, see <i>Securing the Administration Infrastructure</i> in the <i>Administration Workbook</i>.</p>
625108	<p>An administrator cannot search the Device Notification domain log for a user.</p> <p>Workaround: Use other criteria, such as device or package, to perform a search.</p>

Known Issues for Sybase Unwired WorkSpace – Mobile Business Object Development

Learn about known issues and apply workarounds for Unwired WorkSpace and mobile business object (MBO) development.

CR #	Description
660657	<p>Error: Cannot set the property eclipse.pdebuild.home. It looks like PDE Build has been altered shows in the eclipse error log.</p> <p>This error may occur when deploying a client application to Windows Mobile or Black-Berry. You could be deploying something as simple as a department table from sampled.b.</p> <p>Workaround: This is a known Eclipse issue and can be ignored. See https://bugs.eclipse.org/bugs/show_bug.cgi?id=338633 for details.</p>
656355	<p>Query limiting sync parameter limitation</p> <p>Create operations for child level composite relationships with query limiting synchronization parameters mapped to EIS auto-incremental columns are not supported.</p> <p>Workaround: None.</p>
629818	<p>Passing null values for user name/password personalization keys is not supported.</p> <p>Workaround: None.</p>

CR #	Description
613403	<p>When generating MBO attributes from an Adaptive Server Enterprise table, Visual SQL may display a <code>SQLSTATE=42000</code> error message.</p> <p>Because Unwired WorkSpace cannot retrieve the datatype of the parameter in the where clause when you access Visual SQL, the datatype is set to <code>String</code> by default, which can lead to a type conversion error.</p> <p>Workaround: Ignore the warning message. The MBO is created successfully.</p>
611864	<p>When you drag and drop a stored procedure that uses one of several datatypes as a parameter or returns a resultset with a column of one of these types to a new MBO, the resultset contains only the <code>RETURN_VALUE</code> row.</p> <p>The affected datatypes are: <code>long varbit</code>, <code>varbit</code>, <code>uniqueidentifier</code>, <code>xml</code>, <code>long nvarchar</code>, <code>nchar</code>, and <code>nvarchar</code>.</p> <p>Workaround: None.</p>
594744	<p>The correct <code>Date/Datetime/Time</code> datatype cannot be retrieved when you create an MBO; the datatype is incorrectly set to <code>String</code>.</p> <p>When you create a database MBO, the table columns with <code>Date/Datetime/Time</code> type will be converted to <code>String</code> incorrectly.</p> <p>Workaround:</p> <ol style="list-style-type: none"> 1. Correct the <code>String</code> type to <code>DATE/DATETIME/TIME</code> and provide a default value in the MBO creation wizard. 2. Perform a similar correction in the Attributes tab in the Properties view.
584645	<p>Use the <code>rtrim</code> function in relationships between two string attributes that map from a char field.</p> <p>When the enterprise information system (EIS) is a SQL Anywhere database and you create a relationship between two string attributes that map from a char field, and the nullability setting for the char field in the parent table is not null, the char field in child table is nullable. The relationship does not work.</p> <p>Workaround: Manually update the query statement for the parent MBO to apply the <code>rtrim()</code> function to the char field in the column list.</p> <p>For example, if the original query for the parent MBO is:</p> <pre>select region from sampledб.dbo.sales_regions</pre> <p>update the SQL statement to:</p> <pre>select rtrim(region) as region from sampledб.dbo.sales_regions</pre>

CR #	Description
642942	<p>Cannot generate code with Javadoc option enabled to a folder containing Chinese characters</p> <p>When using the code generation wizard, if you enable the option to generate javadoc, you cannot generate the code to a folder containing Chinese characters without first changing the Language for non-unicode programs to Chinese.</p> <p>Workaround:</p> <ol style="list-style-type: none"> 1. From the Start menu, select Settings > Control Panel. 2. Double-click Regional and Language Options, then click the Advanced tab. 3. From the drop-down list, select Chinese, and click Apply. 4. Click OK.

Known Issues for Sybase Unwired WorkSpace – Mobile Workflow Package Development

Learn about known issues and apply workarounds for Unwired WorkSpace and device application development.

Mobile Workflow Forms Editor

Describes known issues when using Mobile Workflow Forms Editor to create message-based mobile workflows.

CR #	Description
669291	<p>On Windows Mobile, if you use dynamic credentials and the initially specified credentials are incorrect, subsequent online requests correctly display the credential screen, but the entered credentials are ignored.</p> <p>Workaround:</p> <ol style="list-style-type: none"> 1. Open the generated <code>Utils.js</code> file, which is located in the <code>Generated Workflow\<workflow_package>\html\js</code> folder. 2. In the function <code>handleCredentialChange()</code>, search for the line that says <code>if (isWindowsMobile()) {</code> and add the following line after it: <code>requestData = "&" + requestData;</code> 3. Save and close the <code>Utils.js</code> file. 4. Regenerate the Mobile Workflow package.

CR #	Description
668471	<p>Lone line feed in Online Request data from the server causes iPhone to not process data.</p> <p>If the data in an Online Request response that is to be passed to the JavaScript on the iPhone client contains a lone line feed (\n), as opposed to a carriage return, and a line feed (\r\n), the data does not show up within the JavaScript function, so the function is not called. This can cause problems with data handling.</p> <p>Workaround: Get the Mobile Workflow application from the Apple App Store. See the topic <i>Installing the Mobile Workflow Package from the App Store</i> in the <i>Developer Guide for Mobile Workflow Packages</i>. Contact Sybase technical support if you need the Mobile Workflow package source code with the fix included.</p>
667325	<p>On BlackBerry 5.0, if there is a dynamic choice on the screen, labels for the drop-down and comments fields overlap, which hides the drop-down control.</p> <p>Workaround: If you know where to click for the drop-down, you can access the drop-down control, and it accepts your choice</p>
667228	<p>After changing the language on the device, the validation message is not localized.</p> <p>Even though the value is set correctly in the <language>.properties file, the validation message renders in English.</p> <p>Workaround: Manually update the three HTML files located in <UnwiredPlatform_InstallDir>\UnwiredPlatform\Servers\Messaging-Server\Data\Mobile Workflow\9_1\html\<language>.</p>
666860	<p>Cannot receive Mobile Workflow notifications on BlackBerry devices and simulators if result contains Chinese characters</p> <p>Workaround: None.</p>
666707	<p>Cannot delete Mobile Workflow messages on iPad</p> <p>The Mobile Workflow container source code included in the Sybase Unwired Platform installation in <UnwiredPlatform_InstallDir>\UnwiredPlatform\ClientAPI\Workflow\ios does not contain the fix that allows Mobile Workflow messages to be deleted from the iPad.</p> <p>Workaround: Get the Mobile Workflow application from the Apple App Store. See the topic <i>Installing the Mobile Workflow Package from the App Store</i> in the <i>Developer Guide for Mobile Workflow Packages</i>. Contact Sybase technical support if you need the Mobile Workflow package source code with the fix included.</p>

CR #	Description
666672	<p>On BlackBerry 6.0 simulators (non-touch models), it is difficult to enter the password</p> <p>Workaround: There are two workarounds for this issue:</p> <ol style="list-style-type: none"> 1. When the password control has focus, press the scroll button and scroll to the left, then it accepts input. 2. When the password control has focus, press the Menu button, choose Select and then move the cursor to the password control.
666333	<p>On iPhone devices, sometimes it is difficult to scroll to the bottom of a screen when there are a lot of controls on the screen</p> <p>Workaround: Scroll slowly (almost like a pull motion) to move the portion of the screen up. You can also use the pop-up keyboard's next button to move from one field to another.</p> <p>A related issue occurs if you have a text area control that occupies most of the screen, scrolling on top of the control does not actually scroll the screen since that event would be consumed by the control itself.</p> <p>Workaround: Scroll on the surrounding area of the control.</p>
665951	<p>Mobile Workflow localization does not work on iOS with the included Mobile Workflow container source code</p> <p>The Mobile Workflow container source code included in the Sybase Unwired Platform installation in <UnwiredPlatform_InstallDir>\UnwiredPlatform\ClientAPI\Workflow\ios does not contain the fix that allows localization to work on the Mobile Workflow application on iOS.</p> <p>Workaround: Get the Mobile Workflow application from the Apple App Store. See the topic <i>Installing the Mobile Workflow Package from the App Store</i> in the <i>Developer Guide for Mobile Workflow Packages</i>. Contact Sybase technical support if you need the Mobile Workflow package source code with the fix included.</p>
665749	<p>Retrieving HTML markup from a data source and displaying it in a listview could cause the listview to render in unwanted ways.</p> <p>Workaround: None.</p>
664530	<p>On BlackBerry 6.0 non-touch devices, unable to select the drop-down or add comments to the Mobile Workflow application</p> <p>Workaround: Since there is no touch gesture, you must switch on the Select option in context menu, then you can move around the cursor with trackball.</p>

CR #	Description
662620	<p>On the BlackBerry 6.0 Simulator, clicking the Tiny anchor in the separate attachment has no affect the second time the link is clicked on</p> <p>The problem occurs only when returning to the original screen after viewing the attachment. In addition, text fields cannot be edited, as the browser appears to be in a read-only state.</p> <p>Workaround: None.</p>
662473	<p>Form fields are not aligned properly</p> <p>With the Optimized for appearance preference set, on the device, the text type fields are a little wider (about 2%) than other types of fields, like numeric and date fields. This is due to the JQuery Mobile style.</p> <p>Workaround: None.</p>
660716	<p>Number of Lines in a text field does not work on iOS and BlackBerry</p> <p>With the Optimized for appearance preference set, on iOS and BlackBerry, the Number of lines setting does not work. The text field adjusts dynamically, and automatically, to the text, but it does not work well when the size of the text is very long. This is due to the JQuery Mobile style.</p> <p>Workaround: None.</p>
654475	<p>On iPhone devices, pressing the Go button on the keyboard has no effect</p> <p>Workaround: Press the Done button to close the keyboard, then press one of the Mobile Workflow-specific menu items.</p>
661980	<p>AddListviewrow not available</p> <p>On BlackBerry 5.0 touch screen models, the virtual keyboard pops up on the screen, which pushes the new row (or record) in the ListView up the screen, so it looks like the new row was not added.</p> <p>Workaround: There are two workarounds to solve this:</p> <ol style="list-style-type: none"> 1. Hide the virtual keyboard and scroll up after creating the new row. 2. On the create screen, before navigating back to the ListView screen, hide the virtual keyboard. <p>The device user can control when the BlackBerry device displays the touch screen keyboard. You can also programmatically control when the BlackBerry device displays the touch screen keyboard. See <i>Displaying the touch screen keyboard</i> topic in your BlackBerry documentation.</p>

CR #	Description
659531	<p>On BlackBerry 5.0 9550, it is difficult to focus on the Editbox control</p> <p>When the page size is longer than half of the screen size (window.size - keyboard.size), when the user taps on an Editbox control on the lower part of screen, the virtual keyboard flashes and the page scrolls up and back, then the application context menu pops up, because the mouse is more like slide on screen(actually on the virtual keyboard) and event target is changed.</p> <p>Workaround: To focus on the Editbox, click the upper part of Editbox control.</p>
657251	<p>Mobile Workflow performance is poor on older devices</p> <p>Mobile Workflow applications run slowly on the iPhone 3G.</p> <p>Workaround: Sybase recommends that you use iPhone 3GS or iPhone 4 to run Mobile Workflow applications.</p>
655417	<p>Parsed outputs of the p12 certificate are shown in a different order in Sybase Control Center and Mobile Workflow Forms editor.</p> <p>Parsed items may not be formatted in the same order when you look at the parsed output for p12 certificates in Sybase Control Center versus Mobile Workflow Forms editor.</p> <p>Workaround: None.</p>
639179	<p>Avoid unnecessary data refresh of MBOs in workflow packages that are not bound to data sources.</p> <p>If you have MBOs that are not bound to any data source, but have operations, create a "dummy" MBO so you can search for it within the workflow MBO search dialog.</p> <p>Workaround: Create a data source with no data to create an MBO without a real data source. For example:</p> <ol style="list-style-type: none"> 1. Create a staged BAPI function inside the SAP system, or create a staged table in the backend database system. 2. Use Unwired WorkSpace to generate the MBO by mapping to that staged BAPI function or staged table. 3. Create a separate cache policy and separate synchronization group for this MBO. 4. Set the cache policy to DCN. This prevents data refresh of the MBO during runtime.
628826	<p>Copying and pasting an issue with multiple objects.</p> <p>Workaround: Copy and paste only one Listview or Htmlview at a time.</p>

CR #	Description
596195	<p>Mobile Workflow applications do not support NULL values.</p> <p>You cannot send NULL values from the client to the server. If you attempt to retrieve NULL values from the server, the attempt fails.</p> <p>Workaround: Do not use NULL values.</p>

Known Issues for APIs and Custom Development

Learn about known issues and apply workarounds for APIs and custom development.

CR #	Description
668922	<p>Client Object API Javadoc displays an incorrect version.</p> <p>The Client Object API Javadoc for BlackBerry, located in the Unwired Platform installation directory at <UnwiredPlatform_InstallDir>\ClientAPI\apidoc\rim\index.html, displays "version 1.6," which is an incorrect version. The correct version is 2.0.</p> <p>Workaround: None.</p>
620706	<p>You cannot insert DEFAULT in the timestamp column when the API is accessing SQL Server.</p> <p>Workaround: DEFAULT is a Microsoft SQL keyword, and cannot be set by the client. Instead, use this create operation:</p> <pre>insert into sql_date (c_datetime, c_smallldt) values (:dt1, :dt2)</pre>

Documentation Issues and Updates

Read about updates, corrections, and clarifications to the documentation released with Sybase Unwired Platform 2.0.

CR #	Description
649885	<p>Incorrect navigation paths in the documentation. Through the course of documentation enhancements, these navigation paths have shifted. These navigation issues will be corrected in a future version.</p> <p>Workaround: Use the document title to locate the topic and search on the topic title listed.</p>

System Administration

The following issues or updates were identified in this document.

Title	Summary			
<i>Unwired Platform Windows Services</i>	Two Windows services were added in Sybase Unwired Platform version 2.0 that do not appear in the table. They should appear in the section for Unwired Server, immediately after the Consolidated Database row.			
	Component	Service	Description	Dependencies
	Unwired Server	SybaseUnwiredPlatformClusterDatabase	The database server that manages the data that supports the operation of the cluster.	This service only appears with the data tier installed on its own server in a cluster; generally it should be started and stopped in sync with the Consolidated Database service.
<i>Starting and Stopping Unwired Platform Server Services</i>	This topic was inadvertently omitted from System Administration.			

Starting and Stopping Unwired Platform Server Services

You must start Unwired Platform server services before you can access Sybase Control Center or Sybase Unwired WorkSpace. Sometimes you must stop these services to install, uninstall, or upgrade related software.

Sybase recommends that you only manually start and stop Sybase Unwired Platform services for debugging and troubleshooting purposes.

If you are routinely starting and stopping Unwired Server, you should use Sybase Control Center for that purpose. Sybase Control Center allows you to manage local and remote servers from a single location, and is more efficient than starting and stopping with services or desktop shortcuts.

The Windows Start menu or desktop shortcuts affect a larger set of Unwired server services, but only the host where Windows is running

See *System Administration for Sybase Unwired Platform > System Reference > Unwired Platform Windows Services*.

- From Windows, select **Start > Programs > Sybase > Unwired Platform<version> > Start Unwired Platform Services**.
- From Windows, select **Start > Programs > Sybase > Unwired Platform<version> > Stop Unwired Platform Services**.
- If you cannot start or stop Unwired Platform Server services using the Windows Start menu, see *Troubleshooting Sybase Unwired Platform > Troubleshoot Sybase Control Center for Sybase Unwired Platform > Unwired Server Fails to Start*.

On a single-host installation, the menu options above start or stop these server services:

- SybaseUnwiredPlatform<hostname>Server1
- SybaseUnwiredPlatform<hostname>Database1
- SybaseUnwiredPlatform<hostname>SampleDatabase1 (installed by default only with Developer Edition)
- Sybase Messaging Service

In a cluster installation, the menu options above start or stop these server services on the cluster node where the menu commands are executed:

- SybaseUnwiredPlatform<clustername>Server#

Note: In the additional server nodes in a cluster environment, the "Server#" portion of the service name is incremented in the order in which the nodes are installed.

- SybaseUnwiredPlatformConsolidatedDatabase (only present on data tier node)
- SybaseUnwiredPlatformClusterDatabase (only present on data tier node)
- SybaseUnwiredPlatformMonitorDatabase (only present on data tier node)

- SybaseUnwiredPlatform<clustername>SampleDatabase1 (installed by default only with Developer Edition)
- Sybase Messaging Service

The <clustername> above is the <hostname> of the first server on which you installed the Unwired Server component of Unwired Platform after installing the data tier on its own host. In a single-server installation, the <clustername> is the <hostname> of host server.

Developer Guide for Windows and Windows Mobile

The following issues or updates were identified in this document.

Title	Summary
<i>Clear Synchronization Parameters</i>	<p>The guide provides sample code to clear synchronization parameters after the retrieval of data from an MBO during a synchronization session. The sample code is incorrect because the generated database class does not have a <code>getSynchronizationParameter()</code> method.</p> <p>The correct sample code is:</p> <pre><MBO>SynchronizationParameters params = <MBO>.SynchronizationParameters; params.Delete(); params = <MBO>.SynchronizationParameters; //retrieve the sync parameter instance params.Param1 = value1; //set new sync parameter value params.Param2 = value2; //set new sync parameter value params.Save();</pre>

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 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.

