

Release Notes

M-Business Anywhere®

Version 6.2

Server Builds: 254 (Windows), 256 (Linux), 255 (Solaris)

Client Build: 146

September 2006



1. Current build

1.1 - This document covers updates to M-Business Anywhere, Version 6.2, that the `readme.txt` file and other published documentation do not cover.

1.2 - This document describes:

M-Business Server Build 254 (for Microsoft® Windows®)

M-Business Server Build 256 (for Linux)

M-Business Server Build 255 (for Solaris)

M-Business Client Build 146

2. What's new in this release?

2.1 - **Support for Windows Mobile 5 and Microsoft Smartphone devices:**

Versions of M-Business Client are now available for these platforms.

2.2 - **Support for device SD cards:** Users with secure digital (SD) memory cards on their Microsoft OS devices now have the option of installing M-Business Client and/or storing downloaded channel data on the card. If M-Business Client is installed on the card, channel data also must be stored there. If M-Business Client is installed in standard device memory, users may specify for each server with which they synchronize whether channel data is stored on the SD card or in standard device memory. Users of Palm OS 5 devices with SD cards may store channel data on the card, although this feature is less stable than the implementation on devices with Microsoft OSes.

2.3 - **Maximum font size can be specified:** Users on all platforms may now specify a maximum font size, in addition to a minimum font size, for displaying channel content.

2.4 - **Forcing low resolution for compatibility with older devices:** For backward compatibility with older, lower resolution devices, you may now force channel content to be compatible with lower resolution devices. For Microsoft OSes, this means 240x320 QVGA screens, instead of the 480x640 VGA format. For Palm, this means 160x160 screens, instead of the 320x320 format.

2.5 - **Administrator Console manages licenses:** The Administrator Console now has menu options to display, add, and delete licenses. One license is always added in the install process. To add another license — for example, to increase the number of supported users — you simply paste the license key string into a field and the Administrator Console extracts the expiration date and number of supported users for display.

2.6 - **Administrator Console shows certificate information:** If you are using a certificate with M-Business Server, the Administrator Console now has a menu option to display information for the certificate. This makes it easy to check the expiration date, so that you can request a new certificate well in advance.

2.7 - **Start and End Sync URLs in channel definitions:** In version 5.7 of M-Business Server, it was possible to configure Start and End Sync URLs by adding a `SyncPref` to the `sync.conf` file. In version 6.0 and later, this functionality has been moved to the Administrator Console UI in channel definitions. For more information, see the *Application Developer Guide for M-Business Anywhere*, “Using Start Sync and End Sync URLs to perform processing before and after channel synchronization” topic. If you previously used Start and End Sync URLs in

version 5.7, please make the appropriate channel definition changes by adding your Start and End Sync URLs through the Administrator Console UI.

2.8 - Developers can set a page border width: Developers can specify a number of pixels for left, right, top, and bottom page margins.

2.9 - RIM devices no longer supported: Support for the RIM 957™ and RIM 857™ clients has been dropped.

3. Previous releases

3.1 - Improved support for Japanese language: Japanese version of M-Business Client has been improved to be more robust.

3.2 - Improved support for extended character sets in on-device data: ISO-8859-1 characters in the range 160-255 (for example, Swedish) are now fully supported in on-device data delivered through M-Business XML conduit.

3.3 - Incremental synchronization of on-device M-Business XML stream data: With applications employing on-device data from an M-Business XML stream, users can now synchronize only the changes in on-device data vs. server data, instead of having to download the entire backend database.

3.4 - Windows Mobile 5 support: M-Business Anywhere now supports mobile devices, except for SmartPhones, running the Windows Mobile 5 operating system. VGA resolution is *not* currently supported.

3.5 - Improved DBCS support: Asian characters now wordwrap appropriately when space or punctuation characters are not present.

3.6 - Wizard format in Pocket PC M-Business Connect control panel: With Pocket PC OS version 4.21 and later, this format better fits the Windows Mobile 5 landscape or square screens. With Pocket PC OS versions prior to 4.21, the vertical page format has not changed.

3.7 - Administrator Console UI: A new “tree-based” paradigm provides a significantly improved, easier to manage, M-Business Server, users, groups, and channels. This new UI is implemented using the new SOAP API.

3.8 - Begin Sync and End Sync events: Developers can set up pre- and post-processing on server for a single user session, making it possible to control the order in which forms submitted offline are processed by the server.

3.9 - Binary file placement: Location in which downloaded binaries are placed can now be controlled by META tag on Windows XP and Pocket PC 2003 devices.

3.10 - Client Remote Upgrade: M-Business Server administrator can now set up the automatic upgrade of M-Business Anywhere Client on users’ devices, specifying upgrade rules for different platforms, types of connections by which to deploy the upgrade, and whether to force an upgrade or control the number of times users can defer the upgrade. This feature will help to improve manageability in particular for large deployments or very distributed environments.

3.11 - DBCS support: The Windows version of M-Business Server now supports double-byte character sets (DBCS). This includes the ability to display DBCS

HTML and run the server, client, and desktop components on DBCS OS machines. Supported device platforms are Windows XP and Pocket PC 2003.

3.12 - Localization: M-Business Client is now localized into Japanese, Simplified Chinese and Traditional Chinese for Windows XP and Pocket PC 2003.

3.13 - Minimized scrolling within widgets: Widgets (for example, Date/Time Picker and List Viewer) are always accessible when activated. The top of the widget displays at the top of the viewable page.

3.14 - Password hash: For NT Domain integration, the password is hashed on the device and sent hashed even when 'use plain text password' is set. This results in not having a cleartext password stored on the device or sent. Note: NT Domain passwords are stored the first time in cleartext but are hashed after the first sync.

3.15 - Password protection for content on device: The administrator may specify that a user can only access M-Business Anywhere content after supplying a valid password. The user will see the login page until the correct password is entered and no other navigation within the client will be allowed. Users are prompted for a password on a password-protected server in the following cases:

- The application starts and the application resides on the password-protected server.
- The user switches to a password-protected server.
- After a synchronization (both modem and cradle)

3.16 - Server caching: There are three M-Business Server caching options. These settings enable IT personnel to optimize caching for various platforms, application profiles, and content types. This feature improves the number of simultaneous synchronizations that a given server can support and improves overall performance. Options are directory-based caching, file-based caching, and memory-based caching. Memory-based caching will ship as the default option on Windows. File-based caching will ship as the default option on Unix platforms.

Memory-based: Cache is stored in RAM. This type of caching should be used on Windows platforms when there is a small amount of content, when pages are not personalized, or when they are relatively static. Memory-based cache would need to be rebuilt whenever the server is restarted.

Directory-based: Many small files in folders are stored on disk. This type of caching should be used on Windows platforms when there is a large amount of HTML data per user or when pages are personalized.

File-based: One large cache file is used. Use this type of caching on Unix platforms.

3.17 - SOAP API: Developers can now programmatically perform any M-Business Server function that can be performed using the Administrator Console UI. Third parties can use this feature to OEM or embed M-Business Anywhere with a completely custom interface.

3.18 - SOAP API & Java: Developers writing a SOAP client in Java do not have to use JNI to call the C-based cryptographic library.

3.19 - **SOAP single sign-on:** The administrator can now set up single sign-on for users to access multiple servers. This feature sends a user's password, base64 encoded, in an X-AvantGo-UserPassword HTTP header to hosts and ports specified in comma-separated list.

3.20 - **Sync only channels:** A new **Sync Only** checkbox has been added to the M-Business Administrator Console UI channel creation page. The administrator selects it when it is determined that the channel will not go online automatically, since the pages never expire on the device. However, the server has the right expiration date set on the documents in its cache to ensure that the documents are fetched correctly.

3.21 - **XML incremental sync:** Developers can now ask for only changes since the last sync from the backend and only these mods are sent to the device. This feature minimizes network traffic and sync times and improves performance.

3.22 - Support for secure XML synchronization over SSL.

3.23 - Support for secure start and end event URLs using HTTPS.

3.24 - Client—Support for ActiveSync 4.0.

3.25 - Client—VersaMail 3.0 default mail application is now supported.

3.26 - “Fire and Forget” M-Business Anywhere client functionality, implemented natively by the client with a JavaScript API, for use when submitting a form request in online mode. This feature attempts to submit the form in online mode, and if the request fails (e.g., it times out or there is a communications error), the request will be placed in the Forms Manager as if the client were in offline mode. The next time the client is online and attempts an online forms submission, pending forms in the Forms Manager will be sent up to the server along with the current form.

The standard full sync will continue to function as it does today and when initiated would override any retry strategy associated with the queued request. Errors will be processed and handled in the same manner that sync errors are handled today. If there is a non-connection related error, the sync should continue with its normal processing. The two new client-side preferences to use to implement this functionality are:

- `SaveSubmissionOnOnlineError`

The value of this preference is a boolean, and the default value is `false`. When set to `true`, if a connection error occurs during the online submission of a form, the submission will be saved to the forms manager just like an off line form submission.

- `FlushSubmissionsOnline`

The value of this preference is a boolean, and the default value is `false`. When the value set to `true`, all pending form submissions will be submitted during any online request.

3.27 - A non-functioning sample channel hyperlink has been removed.

3.28 - An updated version of the M-Business Anywhere Administrator Guide is included in this release.

4. Known issues

4.1 - [27014] CAUTION: If you currently use M-Business Server with Domain Integration, do not upgrade to this version of 6.2. A subsequent version of 6.2 will correct a problem with user validation using domain integration.

4.2 - [27033] CAUTION: If you currently use RSA certificates to synchronize securely, do not upgrade to this version of 6.2. A subsequent version of 6.2 will correct a problem with RSA certificates.

4.3 - [26664] CAUTION: When using the automated M-Business Client upgrade feature to upgrade a 6.0 client to a 6.2 client using the Cradle method, it is critical that the user watch for and respond to the download prompt (on the desktop) that appears during the synchronization. When the user clicks OK at this prompt, the upgrade proceeds smoothly. If the user fails to respond to the prompt, the file is not downloaded and the client device is left in an indeterminate state. The workaround in this case is for the user to manually download and run the newer client installer.

4.4 - [26881] When restarting a Windows 2003 server machine where M-Business Server version 6.2 is installed, you may see the following two errors in the Event Viewer. These errors may safely be ignored:

ASA: fatal error: can't open ODBC data source 'AGDB'
ASA: retcode(): invalid type or handle

4.5 - [27048] When M-Business Server 6.2 is installed on Windows, M-Business Server Manager incorrectly shows all M-Business services except ASA - AGDB as "Not Installed." The workaround is to use the Windows Services panel, accessed from the Administrative Tools window of the Windows Control Panel.

4.6 - [27013] When creating client upgrade rules for Microsoft Smartphone devices, you must use the device type **All**. The **PPC-Smartphone** device type will not cause the rule to be applied to Smartphone devices.

4.7 - [26246] On Motorola MPx220 Smartphone devices, non-alpha-numeric symbols (for example, "!" or "\$") entered from the symbol menu (# key) are not populated into text fields within M-Business Client. The workaround is to use the "1" key to cycle through the list of all the symbol characters.

4.8 - [27023] On Audiovox Microsoft Smartphone devices running Windows Mobile Pocket PC 2003, the first time a user enters a server profile, it is not listed upon completion and the user cannot synchronize without first exiting M-Business Client. Subsequently, all additions and modifications of server profiles behave normally. Although this problem has not been detected on other models of Microsoft Smartphone tested, it is possible that it may occur on models that have not been tested.

4.9 - [27024] On the Treo 700p, `mailto:` links do not work with the built-in Messaging 2.5 email application. The workaround for the user is to use the Wireless Sync icon to download and set up Verizon's Wireless Sync Email application, which uses Mail 7.0.2.15.

4.10 - [26446] Pocket PC 2003 may receive a message during upgrade, saying: "agcehdlr.dll is locked." The workaround is to remove the device from the cradle, wait about 30 seconds (allowing the file to become unlocked), and then tap the Try Again button. The installation will now complete successfully.

4.11 - [26417] Pocket PC and Windows Mobile 5 devices may receive a message during upgrade, saying: "Unable to remove previous version, proceed anyway?" If users select **Yes**, the installation will proceed and the client will be upgraded correctly.

4.12 - [26453] M-Business Client version 5.7 cannot synchronize through a cradle using ActiveSync version 4.0 and higher. The workaround is either to downgrade ActiveSync to version 3.8, or to upgrade M-Business Client to version 6.0 or later.

4.13 - [26468] With Windows Mobile 5 devices using ActiveSync 4.x, sync status update messages no longer appear within the Status column of the ActiveSync window on the desktop computer. Also the "perceived sync time" (from clicking Sync in the desktop ActiveSync application until the status shows as Completed) is much greater than with previous versions of M-Business Client and ActiveSync. The actual synchronization time (as shown in the server sync logs) has not changed.

4.14 - On Windows Mobile 5, custom PODS are tagged as untrusted at initial startup of M-Business Client, causing an alert to be displayed. If a system administrator is not installing/updating on user devices, users need to be instructed to accept these "untrusted" PODS the first time they start M-Business Client version 6.2.

4.15 - If you are using Mobile Sales, Version 2.3, do not upgrade to M-Business Server, version 6.2 without first contacting your sales representative or iAnywhere Solutions Professional Services.

4.16 - If you are using M-Business Server with NT Domain integration and are migrating your database during an upgrade to Version 6.2, after you install M-Business Server, Version 6.2, run `AGDomainSync -a -d` to ensure the database is completely repopulated. For more information on using the `AGDomainSync` tool, see the *Administrator Guide for M-Business Anywhere Server*.

4.17 - After an upgrade to M-Business Server, version 6.2, users will be prompted for their user name and password when accessing channels requiring authentication, even if they were previously authenticated.

4.18 - With XML incremental sync, if you change the database schema, you must ensure that all users perform a full refresh sync in order to be sure that they have all the correct data on device.

4.19 - [26024] With a domain integrated M-Business Server 6.2, Pocket PC users with M-Business Client 5.5 or 5.7 who upgrade to M-Business Client 6.2 after M-Business Server is upgraded to 6.2 will receive an "invalid login" message the first time they try to synchronize. These users simply re-enter the password to complete the synchronization. This happens one time only

4.20 - [26065] With a domain integrated M-Business Server 6.2, users who configure their server connections through the Administrator Console, "Configure Connection..." page will receive an "invalid login" message when they try to complete the process by synchronizing. These users simply re-enter the password to complete the synchronization. This happens one time only.

5. Support and documentation

5.1 - If you need assistance using iAnywhere software, in North America, please contact iAnywhere Technical Support by calling 1-800-8SYBASE (800-879-2273) and then selecting option 3. You can call Monday through Friday (except major US holidays) between 9:00 a.m. and 9:00 p.m. Eastern time. Services will be provided in accordance with your support agreement.

Outside of North America, for your local support number and hours, please see:

<http://www.sybase.com/contactus/support>

5.2 - Download documentation for M-Business Anywhere, Version 6.2 from http://www.iAnywhere.com/developer/product_manuals/mbusiness_anywhere/index.html.

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