

Release Notes

M-Business Anywhere®

Version 6.0.4

Server Builds: 3066 (Windows), 3068 (Linux), 3067
(Solaris)

Client Build: 3051

July 2006



1. Current build

1.1 - This document covers updates to M-Business Anywhere, Version 6.0, that the `readme.txt` file and other published documentation do not cover.

1.2 - This document describes:

M-Business Server Build 3066 (for Microsoft® Windows®)

M-Business Server Build 3068 (for Linux)

M-Business Server Build 3067 (for Solaris)

M-Business Client Build 3051

2. What's new in this release?

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

2.2 - **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.

2.3 - **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.

2.4 - **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.

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

2.6 - **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.

2.7 - **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.

2.8 - **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.

2.9 - **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.

2.10 - **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.

2.11 - 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.

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

2.13 - 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.

2.14 - 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.

2.15 - 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)

2.16 - 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.

2.17 - 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.

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

2.19 - 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.

2.20 - 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.

2.21 - 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. Previous releases

3.1 - Support for secure XML synchronization over SSL.

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

3.3 - Client—Support for ActiveSync 4.0.

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

3.5 - “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 is set to `true`, all pending form submissions will be submitted during any online request.

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

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

4. Known issues

4.1 - 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 6.0.1.

4.2 - If you are using Mobile Sales, Version 2.3, do not upgrade to M-Business Server, version 6.0 without first contacting your sales representative or iAnywhere Solutions Professional Services.

4.3 - If you are using M-Business Server with NT Domain integration and are migrating your database during an upgrade to Version 6.0, after you install M-Business Server, Version 6.0, 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*.

4.4 - After an upgrade to M-Business Server, version 6.0, users will be prompted for their user name and password when accessing channels requiring authentication, even if they were previously authenticated.

4.5 - 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.

4.6 - With a domain integrated M-Business Server 6.0, Pocket PC users with M-Business Client 5.5 or 5.7 who upgrade to M-Business Client 6.0 after M-Business Server is upgraded to 6.0 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.

4.7 - With a domain integrated M-Business Server 6.0, 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 6.0 from http://www.iAnywhere.com/developer/product_manuals/mbusiness_anywhere/index.html.

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