



Installation Guide for M-Business Anywhere™ Server

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About this Guide

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Focus of this guide

This guide provides the information you need to install or upgrade M-Business Anywhere™ Server.

Read this guide if you are an administrator responsible for installing or upgrading M-Business Server. For information on configuring and maintaining M-Business Server, including adding users, creating public channels, and for maintaining either groups or group channels, and for deploying M-Business Client software, see [“Configuring M-Business Server after installation” on page 20](#).

Conventions

Formatting conventions

The following table lists the formatting conventions used throughout this book.

Table 1. Formatting conventions

Item	Treatment	Example
Name of publication	Italic	<i>Administrator Guide for M-Business Server</i>
Items on which user is to take an action	Bold	Click the Reset button.
Multi-level menu selections	Bold with " » " separator	Choose Start » Settings » Control Panel .
Text you type	Bold, fixed width font	Type Admin in this field.
Text displayed in a file or on the screen	Fixed width font	The screen reads: Backup Complete
Keyboard key	Angle brackets	<Enter>
File names and paths	Italic	<i>../conf/sync.conf</i>
Literals in code synopsis	Bold	void PODSaddRef (PODSObject* <i>podsobj</i>);
Variables in code synopsis	Italic	void PODSaddRef (PODSObject* <i>podsobj</i>);
Variables in text	Angle brackets plus italic	http://<servername>:<port>

The M-Business home directory

Throughout this guide, <*M-Business_Home*> is used to refer to the M-Business home directory that is created under the location that you specify during installation. The way you specify this is platform-specific:

- **Windows** – in the Choose Destination Location Installer panel. For details, see “[Installing M-Business Server on Windows](#)” on page 9.
- **UNIX** – by the directory in which you unzip the installer *.tar.gz* file. For details, see “[Upgrading M-Business Server on UNIX](#)” on page 13.

Forward slashes in file paths

To simplify instructions that apply to both Windows and UNIX platforms, file paths in this guide are listed with directory levels separated by forward slashes (/). Forward slashes in file paths are supported by current versions of Windows, although this convention originated with UNIX systems. The only exception to this convention is in Windows installer instructions.

The M-Business Anywhere documentation set

In addition to this document, there are several other iAnywhere Solutions publications available that you may find useful in setting up and using M-Business Server. The complete M-Business Anywhere documentation set is listed below.

- *Release Bulletin for M-Business Anywhere*
- *New Features Bulletin for M-Business Anywhere*
- *M-Business Anywhere, an Introduction*
- *Installation Guide for M-Business Anywhere Server*
- *Administrator Guide for M-Business Anywhere Server*
- *User Guide for M-Business Anywhere Client*
- *Developer Quick Start Guide for M-Business Anywhere*
- *Application Developer Guide for M-Business Anywhere*
- *API Reference for M-Business Anywhere*

To access the complete M-Business Anywhere documentation set

1. Navigate to <http://sybooks.sybase.com>.
2. Select **M-Business Anywhere** as the product, and **English** as the language, then click **Go**.
3. Click the Document Set link for **M-Business Anywhere 7.0**.
4. Click the **View Entire Collection** link.
5. In the **Contents** list, under the **M-Business Anywhere 7.0** heading, select the document you wish to view.
6. To view the HTML version of a document, click the **Start reading HTML** link.
7. To view the PDF version of a document, click the **View this... as PDF** link.

Note

For links between different PDF files to work correctly, you must download all the PDF files into the same local directory.

Related publications

SQL Anywhere

For more information about SQL Anywhere®, see these iAnywhere Solutions publications:

- *SQL Anywhere 10* documentation, available from http://www.iAnywhere.com/developer/product_manuals/sqlanywhere/1001/en/html/index.html
- *Setting Up Adaptive Server Anywhere as a Cluster Database Service*, available from <http://www.sybase.com/detail?id=1034743>

Note

This document is specific to the 9.x version of SQL Anywhere, which was called Adaptive Server® Anywhere. No update of this document for SQL Anywhere version 10 is currently available.

Web servers

In addition to the iAnywhere documentation, see the following for comprehensive information on configuration settings for Apache and Tomcat servers:

- *Apache webserver* documentation, available from http://httpd.apache.org/docs/mod/mod_log_config.html
- *Tomcat 6 Servlet/JSP Container* documentation, available from <http://tomcat.apache.org/tomcat-6.0-doc/index.html>

If the documentation has moved, go to the Apache Jakarta project URL below and search on "tomcat 6 servlet" documentation to find its new location: <http://tomcat.apache.org/>.

Contacting iAnywhere Solutions

Technical support

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

Outside of North America, for your local support number and hours, see <http://www.sybase.com/contactus/support>.

Registering as a Named Contact

You can get technical support faster and easier to get technical support, by phone or online, if you have registered as a Named Contact.

When you purchase an iAnywhere Solutions product, an *iAnywhere Technical Support Contact Form* is automatically sent to you by way of an e-mail message be emailed to you within 7–10 days. If your company should need to add another Named Contact, or change the one initially registered, call the Technical Support 800-number and request a *iAnywhere Technical Support Contact Change Form*.

The *iAnywhere Technical Support Contact Form* contains your Customer Number, with spaces for you to provide an e-mail address and other identifying information for the Named Contact for your product. Fill in the requested information and fax the form back to the phone number indicated.

When your fax is received, an email will be sent to you, providing your Technical Contact ID number. You can then use this number to speed up the process when you call for technical support, and to access technical support online.

Using the iAnywhere Online Support Services

A major benefit of using the iAnywhere Online Support Services is 24x7 availability. Online support also allows you to look up and review past and current support issues.

When you register as a Named Contact, the email sent to you with your Technical Contact ID number also contains instructions for registering and using the iAnywhere Online Support Services. Follow these instructions to register as a first-time user, or to update your account with information for the new product you have purchased.

If you have any trouble registering for the iAnywhere Online Support Services, contact iAnywhere Technical Support for assistance.

Customizing iAnywhere software

If you need help with customizing iAnywhere software, contact iAnywhere Solutions Professional Services at contact_us@ianywhere.com.

Product information

If you need information about other iAnywhere products, contact iAnywhere Workforce Sales at contact_us@ianywhere.com.

Feedback on documentation

If you have questions or suggestions about this document or other iAnywhere technical publications, please contact iAnywhere Technical Publications at iasdoc@ianywhere.com.

We like to receive your opinions, suggestions, and feedback on this documentation. Although we do not reply to individual emails, we read all suggestions with interest and attempt to incorporate them in future releases.

CHAPTER 1

Getting Started

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System requirements

Successful installation of M-Business Server in an enterprise environment requires at least one administrator responsible for installation of the server and creation of users, groups, and channels. This administrator also should confirm that the hardware used meets or exceeds the general installation requirements outlined in the following sections.

Note

Double-byte character set (DBCS) support is provided on Windows only. There is nothing to configure in M-Business Server—character set support is implemented entirely through the HTML pages in your channel content. For information on specifying character sets in HTML pages, see [“Working with double-byte character sets \(DBCS\)”](#) [*M-Business Anywhere Application Developer Guide*].

Requirements for M-Business Server on Windows

- 2 GB RAM and 10 GB disk space (disk space and RAM requirements will vary, depending on user population)
- At least a Pentium 4 2.5 GHz
- One of the following operating systems:
 - Windows 2000 Server with Service Pack 4
 - Windows 2003 Server with Service Pack 2
 - Windows 2008 Server
- One of the following supported browsers (does not have to be running on same machine where M-Business Server is installed):
 - Microsoft Internet Explorer 5.5 or 6.0 or 7.0
 - Mozilla Firefox 2.0

Requirements for M-Business Server on UNIX

Requirements for M-Business Server on Linux

- 2 GB RAM and 10 GB disk space (disk space and RAM requirements will vary, depending on user population)
- At least a Pentium 4 2.5 GHz
- Linux kernel 2.6 (as implemented in Redhat Linux 4)
- One of the following supported browsers (does not have to be running on same machine where M-Business Server is installed):
 - Microsoft Internet Explorer 5.5 or 6.0 or 7.0

- Mozilla Firefox 2.0

Requirements for M-Business Server on Solaris

- 2 GB RAM and 10 GB disk space (disk space and RAM requirements will vary, depending on user population)
- SPARC Ultra with CD-ROM drive
- Solaris 9 or 10 with 64-bit kernel

Note

With Solaris 9, make sure you have installed the following Solaris 9 patches: 111711-16, 111712-16, 111722-05

- One of the following supported browsers (does not have to be running on same machine where M-Business Server is installed):
 - Microsoft Internet Explorer 5.5 or 6.0 or 7.0
 - Mozilla Firefox 2.0

Requirements for enabling security

One or more of the following security certificates:

- An ECC security certificate (available from iAnywhere Solutions)
- An RSA security certificate (available from Thawte™ or VeriSign®)

Getting started task checklist

The major tasks associated with installing M-Business Server are listed below.

- Review the [“System requirements”](#) on page 2.
- Set up the user account under which M-Business Server will run.
On Windows, see [“Preparing for a first-time install on Windows”](#) on page 9.
- Install and set up M-Business Server on your server machine.
See [“Upgrading and Installing M-Business Server”](#) on page 5.

When you have completed the installation tasks above, go on to the *Administrator Guide for M-Business Anywhere Server* to configure M-Business Server. See [“Configuring M-Business Server after installation”](#) on page 20.

If the link above does not work, see [“The M-Business Anywhere documentation set”](#) on page ix for instructions on accessing the rest of the M-Business Anywhere documentation.

CHAPTER 2

Upgrading and Installing M-Business Server

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Upgrading and installing on Windows

Upgrading M-Business Server on Windows

If you are using M-Business Server version 6.0 and higher, you can upgrade to the current version of M-Business Server.

If you plan to upgrade your system's version of Windows when you upgrade to the current version of M-Business Server, see [“Upgrading Windows while upgrading M-Business Server” on page 9](#).

Note

Upgrading to M-Business Server version 7.0 requires all current M-Business Client versions to be upgraded to version 7.0 at the same time. Do not proceed with the upgrade of your production M-Business Server to version 7.0 until you are ready to upgrade your users to M-Business Client version 7.0.

Backing up your previous M-Business Server installation

Manually copy the entire M-Business Server directory tree to a backup location. Copy the <M-Business_Home> directory and all lower level directories to a backup location on a different physical drive. Leave this backup intact until the entire upgrade process is complete and you are sure that your upgraded production environment is functioning properly.

During the upgrade process, it is possible for problems to arise that require complete files, or specific settings from files, to be copied into the upgraded M-Business Server installation.

Migrating your data

During an upgrade installation, you will be prompted to back up your current data. If you want to preserve your current M-Business Server data, be sure that you click **Yes** to this prompt.

Synchronizing migrated data with NT domain integration

If you are using NT domain integration and you migrate your current M-Business Server data, you must run the AGDomainSync tool after the migration is complete. Include both the `-a` (add) and `-d` (delete) switches, as follows:

```
AGDomainSync -a -d
```

For more information on the AGDomainSync tool, refer to the *Administrator Guide for M-Business Anywhere Server* to configure M-Business Server. See [“Configuring M-Business Server after installation” on page 20](#).

Deleting SOAP debug log files on Windows

Before upgrading M-Business Server to version 7.0 on Windows, you must delete any debug log files for M-Business SOAP Server. If they exist, these SOAP debug log files are located in the *Windows/system 32* directory:

- *RECV.log*
- *SENT.log*
- *TEST.log*

Prepopulated fields

During an upgrade installation, the installer prepopulates the following fields:

- License Key
- Server Friendly Name
- Host Name
- Port Number

If the information is correct and you do not wish to change it, simply click **Next** to proceed to the next panel.

Caution

M-Business Server migrates information only from properly edited configuration files. For more information on editing configuration files, refer to the *Administrator Guide for M-Business Anywhere Server*. See [“Configuring M-Business Server after installation” on page 20](#). If you have made additional changes to settings other than the ones noted above, see [“Preserving customizations” on page 8](#).

If you are installing to a different location, you will have to manually update your configuration files and copy your certificate files. See [“Preserving customizations” on page 8](#).

If you have set up security with M-Business Server, your existing RSA or ECC certificate is migrated and you do not need to reconfigure M-Business Server for security. During install, you also are given the option of migrating your existing user database.

Note

If you are installing to a different location, you will have to manually copy your certificate files. See [“Preserving customizations” on page 8](#).

To proceed with your upgrade on Windows, continue with [“Installing M-Business Server on Windows” on page 9](#).

Preserving customizations

The upgrade process automatically preserves the M-Business database from your previous installation, if you request this during the installation process. If you are installing the new version of M-Business Server in the same location as the previous version, the upgrade process also preserves changes you have made in configuration files.

You must manually migrate all application customizations after you run the M-Business Server installer.

If you are installing the new version of M-Business Server to a new location, you must manually restore configuration file settings as well.

To restore configuration file settings after upgrade is complete

1. Compare each of the files in the backed up *<M-Business_Home>/conf* directory from the previous installation with its newly installed counterpart.

Carefully note any differences in settings that you find.

2. Replace any values that were manually edited in the previous installation's files.

For example, if in a previous release you changed the `MaxClients` setting in the *sync.conf.default* file to 100 and you want to retain this setting, you will need to make this exact change in the new *sync.conf.default* file.

Caution

Because the settings and sequence of settings in these files changes from version to version, it is important that you not simply copy your backed up configuration and default files over the newly installed configuration and default files. To do so could overwrite new settings or could alter the sequence of critical settings.

3. Save your changes.
4. After you have made all the configuration file changes, run the *defaults_setup.bat* script from the *<M-Business_Home>/conf* directory.
5. Start or restart M-Business Server services.

For detailed instructions on starting, stopping, and restarting M-Business Server, refer to the *Administrator Guide for M-Business Anywhere Server*. See [“Configuring M-Business Server after installation” on page 20](#).

To restore other customizations after upgrade is complete

1. Carefully examine the files in the backup copy of the earlier installation to identify those that implement M-Business Anywhere customizations.

In particular, look for:

- Certificate files in *<M-Business_Home>/conf/*
- Application files under *<M-Business_Home>/tomcat/*

Tip

The files in the `<M-Business_Home>/bin/` directory have a timestamp that reflects the date on which that version of M-Business Anywhere was released. Any files that have a later timestamp may reflect customizations.

2. Move or copy all the files that support your M-Business Anywhere customizations from the previous installation to the corresponding location in the new installation.

Upgrading Windows while upgrading M-Business Server

If you are upgrading the version of Windows on your system at the same time that you are upgrading to M-Business Server 7.0, we recommend performing the upgrade in the sequence that follows, to ensure successful migration of your user and account data. The following steps require the use of two separate server machines.

To upgrade Windows while upgrading M-Business Server

1. On the machine with the existing installation of M-Business Server and the older version of Windows, back up these directories:
 - `<M-Business_Home>/ASA/data` – database files
 - `<M-Business_Home>/conf` – configuration files
 - `<M-Business_Home>/logs` – log files
 - Any other files in any other directories that support M-Business customizations that you have implemented. Be sure to check for custom PODS and Web applications in directories below `<M-Business_Home>/tomcat`.
2. On that same machine, upgrade to the current version of M-Business Server.
See [“Upgrading M-Business Server on Windows” on page 6](#).
3. On the machine with the newer version of Windows, install the current (new) version of M-Business Server.
See [“Installing M-Business Server on Windows ” on page 9](#).
4. Copy the existing M-Business Server database from the machine with the older version of Windows to the machine with the newer version of Windows.

If you need further assistance upgrading your system, contact iAnywhere Technical Support—see [“Contacting iAnywhere Solutions” on page xi](#).

Installing M-Business Server on Windows

Preparing for a first-time install on Windows

If you are performing a new install of M-Business Server on Windows, add a new user account on the domain with the following rights:

- Log on as a service
- Log on as batch
- Act as part of OS

For help with creating a new user and assigning these permissions, see the Windows documentation.

After you set up the user account, continue with [“Installing M-Business Server on Windows ” on page 9](#).

Running the Windows installer

This section covers installation of M-Business Server on any of the supported versions of Windows.

You may wish to review the *Release Bulletin for M-Business Anywhere* and *New Features Bulletin for M-Business Anywhere* before installing M-Business Server.

If you are accessing this guide from your Installation CD image, these documents are also available there. For instructions on accessing these documents online, see [“The M-Business Anywhere documentation set” on page ix](#).

To install M-Business Server on Windows

1. Log in to Windows as a local administrator.
2. On the **Start** menu, choose **Run**.
The **Run** dialog appears.
3. Enter **e:/MBAnywhereW.exe** in the **Run** dialog

Where *e* is the letter for the correct drive.

Note

You can also start the installer from Windows Explorer by double-clicking the **e:/MBAnywhereW.exe** file.

The **Welcome** dialog appears.

4. Click **Next**.
The **Server License** dialog appears.
5. Enter a valid license key, then click **Next**.

The **Server Functionality** dialog appears. If you believe that your license key should include functionality not listed here, contact iAnywhere Workforce Sales—see [“Contacting iAnywhere Solutions” on page xi](#).

6. Click **Next** to proceed to the **License Agreement** dialog.
7. Read the license agreement, then click **Yes** to accept the licensing terms.

The **Choose Destination Location** dialog appears.

8. Confirm or change the location of the M-Business Server install, then click **Next**.

Note

The directory which you specify for Choose Destination Location sets the path in `<M-Business_Home>`. Throughout the rest of this guide, `<M-Business_Home>` is used to refer to the M-Business home directory that is created under the location that you specify here.

Caution

If you change the default location, do not specify a path that includes any spaces or non-English characters in any of the directory names.

9. If you are installing M-Business Server with NT domain or LDAP integration, you will see the **Domain List** dialog. If not, proceed to step 11.

10. In the **Domain List** dialog, enter NT domain or LDAP information, then click **Next**.

For NT domain integration, enter the name of the NT domain you wish to integrate. If you want to integrate with multiple NT domains, use a comma to separate the domain names (DOM1, DOM2, DOM3).

For LDAP integration, enter "LDAP" here.

11. Enter a **User Friendly Server Name**, then click **Next**.

Note

This is the server name that users will see in M-Business Connect on the desktop and on the device.

12. Enter the **Host Name** or IP address (if you do not have DNS access) of the M-Business Sync Server, then click **Next**.

13. Enter the **Sync Port** for M-Business Sync Server, then click **Next**.

Note

The default port used by M-Business Sync Server is port 80. It is not recommended that you install M-Business Server on a machine currently running a Web server, but if you do, enter another port number, for example, 8092, in this field.

14. Enter the **UI Port** for M-Business Admin Server, then click **Next**.

Note

If you change the UI Port setting from the default, you will need to run a script after the installation is complete. Step 20 below provides detailed instructions. Be sure that you do not skip this step.

15. Enter the **Database Port** for M-Business Admin Server, then click **Next**.

16. Enter the **SOAP Server Port** for M-Business SOAP Server, then click **Next**.

17. Answer any existing database prompts.

Caution

If you are upgrading or re-installing M-Business Server, you are prompted to back up and migrate your existing database. If you wish to preserve existing data, click **Yes** on both of these prompts; specify a location for the backup files using the **Browse** button.

18. Wait while the **Setup Status** dialog indicates progress.

This portion of the installation process takes a while.

If you are upgrading or re-installing M-Business Server, you may receive a **ReadOnly File Detected** message. Check the box for **Don't display this message again**, then click **Yes**.

The **InstallShield Wizard Complete** dialog displays when the installation is complete.

19. Click **Finish** to complete the installation and reboot your machine.

Caution

You must reboot your machine before starting M-Business Server. Attempting to start M-Business Server after installation, without rebooting, results in M-Business Server being in an indeterminate state with behavior that is unpredictable.

Tip

If you encounter problems during installation, view the *M-BusinessAnywhere.log* file. This file is located in the *<M-Business_Home>* directory, which is the M-Business home directory that is created under the location that you specify during installation. For more information, see [“The M-Business home directory” on page vii](#).

For other troubleshooting tips, refer to the Troubleshooting appendix in the *Administrator Guide for M-Business Anywhere Server*. See [“Configuring M-Business Server after installation” on page 20](#)

20. If you changed the UI Port setting from the default, after completing the installation process and rebooting your machine, run the *agreservedsubs.bat* script:

- At a command prompt, navigate to the *<M-Business_Home>/conf* directory.
- Enter **agreservedsubs** .

21. If your installation was an upgrade from an earlier version of M-Business Server, complete any manual tasks that are necessary to migrate all your customizations. See the following topics, as applicable:

- [“Synchronizing migrated data with NT domain integration” on page 6](#)
- [“Preserving customizations” on page 8](#)
- [“Upgrading Windows while upgrading M-Business Server” on page 9](#)

After installing M-Business Server, ensure database security by changing the default passwords. For detailed instructions on changing database passwords, refer to the *Administrator Guide for M-Business Anywhere Server*. See [“Configuring M-Business Server after installation” on page 20](#).

Upgrading and installing on UNIX

Upgrading M-Business Server on UNIX

If you are using M-Business Server version 6.0 and higher, you can upgrade to the current version of M-Business Server.

Note

Upgrading to M-Business Server version 7.0 requires all current M-Business Client versions to be upgraded to version 7.0 at the same time. Do not proceed with the upgrade of your production M-Business Server to version 7.0 until you are ready to upgrade your users to M-Business Client version 7.0.

Note

Before upgrading M-Business Server on Solaris 9, make sure you have installed the Solaris 9 patches listed in [“Requirements for M-Business Server on Solaris ”](#) on page 3.

If you have modified your configurations settings, see [“Preserving customizations”](#) on page 14 before proceeding with the upgrade installation.

Preparing to upgrade

Note

When upgrading M-Business Server on Linux or Solaris, you must perform a fresh installation in a new location. You cannot simply install the current version to overwrite the previous version's files. You must install version 7.0 to a new location and have the M-Business Server installer migrate any data that you want to preserve.

To prepare to upgrade

1. Change directories to the `/usr/local/<M-Business_Home>/conf` directory for your current M-Business Server installation.
2. Stop all M-Business Server processes:

```
./agserver stop all
```

Caution

All existing ASA and SQL Anywhere servers must be stopped for M-Business Server installation to work properly. The above command stops only the ASA or SQL Anywhere server supporting M-Business Server. If any other ASA or SQL Anywhere servers are running on the same machine, you must stop them all before proceeding.

3. Install M-Business Server.

See [“Installing M-Business Server on UNIX”](#) on page 15.

Migrating your data

During an upgrade installation, you will be prompted to migrate your current data. If you want to preserve your current M-Business Server data, be sure that you type **Y** for "Yes" in answer to this prompt.

Preserving customizations

The upgrade process automatically preserves the M-Business database from your previous installation, if you request this during the installation process. You must manually migrate all other customizations that you have made from the previous installation to the new location.

To restore configuration file settings after upgrade is complete

1. Compare each of the files in the `<M-Business_Home>/conf` directory from the previous installation with its newly installed counterpart.

Carefully note any differences in settings that you find.

2. Replace any values that were manually edited in the previous installation's files.

For example, if in a previous release you changed the `MaxClients` setting in the `sync.conf.default` file to 100 and you want to retain this setting, you will need to make this exact change in the new `sync.conf.default` file.

Caution

Because the settings and sequence of settings in these files changes from version to version, it is important that you not simply copy your previous installation's configuration and default files over the newly installed configuration and default files. To do so could overwrite new settings or could alter the sequence of critical settings.

3. Save your changes.
4. After you have made all the configuration file changes, run the `defaults_setup` script from the `<M-Business_Home>/conf` directory.
5. Start or restart M-Business Server services.

For instructions on starting, stopping, and restarting M-Business Server, refer to the *Administrator Guide for M-Business Anywhere Server*. See [“Configuring M-Business Server after installation” on page 20](#).

To restore other customizations after upgrade is complete

1. Carefully examine the files in the previous installation to identify those that implement M-Business Anywhere customizations.

In particular, look for:

- Certificate files in `<M-Business_Home>/conf/`
- Application files under `<M-Business_Home>/tomcat/`

Tip

The files in the `<M-Business_Home>/bin/` directory have a timestamp that reflects the date on which that version of M-Business Anywhere was released. Any files that have a later timestamp may reflect customizations.

2. Move or copy all the files that support your M-Business Anywhere customizations from the previous installation to the corresponding location in the new installation.

Installing M-Business Server on UNIX

Installing M-Business Server on Linux

You may wish to review the *Release Bulletin* before installing M-Business Server.

Note

If you are upgrading M-Business Server on Linux, you must install the new version in a new location. The installer migrates your M-Business database to the new location, but you must manually migrate configuration file settings, certificate files, and any customizations you have implemented.

To install M-Business Server on Linux

1. Log on as root.
2. Copy the `MBAnywhereL_7.0.<build>.tar.gz` file to a location on your hard drive where you want to install M-Business Server.

For example, `/usr/local`.

Note

The file you download will have the build number in the position of `<build>` in the file name above.

Note

The directory in which you install M-Business Anywhere sets the path in `<M-Business_Home>`.

Caution

Do not specify a path that includes any spaces or non-English characters in any of the directory names.

3. Unzip the `MBAnywhereL_7.0.<build>.tar.gz` file by typing:

```
gzip -d MBAnywhereL_7.0.<build>.tar.gz
```

Replace `<build>` with the build number in the actual file name.

4. To create the `MBAnywhereL_7.0.<build>` directory, type:

```
gtar -xvf MBAnywhereL_7.0.<build>.tar
```

Replace **<build>** with the build number in the actual file name.

Note

This is the directory at the end of the path in **<M-Business_Home>**. By default, this directory is named **MBAnywhereL_7.0.<build>**, with the build number in the position of **<build>**.

5. To change to the **<M-Business_Home>/conf** directory, type:

```
cd <M-Business_Home>/conf
```

6. To install and start up M-Business Server services, type:

```
./installMBAnywhereL_7.0.<build>
```

Replace **<build>** with the build number in the actual file name.

7. Answer the installer prompts.

If you are upgrading from an earlier version of M-Business Server and wish to migrate your data:

- Answer **Y** for "Yes" when prompted, "Do you have an existing M-Business Anywhere database that you want to migrate?"
- Enter the full path to the **<M-Business_Home>** directory for the previous installation when prompted.

If you want to perform a fresh install, either for a first time installation, or for an upgrade from an earlier version of M-Business Server from which you do **not** wish to migrate your data:

- Answer **N** for "No" when prompted, "Do you have an existing M-Business Anywhere database that you want to migrate."

8. Answer the rest of the installer prompts.

Note

Do **not** enter `root` when you answer the prompt for either user or group. Besides the security issue, the Apache install fails if either user or group is set to `root`

9. To verify that all services are running (`admin`, `asa`, `soap`, `sync`), type:

```
./agserver status
```

10. If you changed the UI Port setting from the default, run the `agreservedsubs` script:

- At a command prompt, navigate to the **<M-Business_Home>/conf** directory.
- Enter `agreservedsubs`.

11. If your installation was an upgrade from an earlier version of M-Business Server, complete any manual tasks that are necessary to migrate all your customizations. See [“Preserving customizations” on page 14](#).

After installing M-Business Server, ensure database security by changing the default passwords. For detailed instructions on changing database passwords, refer to the *Administrator Guide for M-Business Anywhere Server*. See [“Configuring M-Business Server after installation” on page 20](#).

Installing M-Business Server on Solaris

You may wish to review the *Release Bulletin* before installing M-Business Server.

Caution

Be sure you have installed the required Solaris patches before running the M-Business Server installer. See “Requirements for M-Business Server on Solaris” on page 3.

Note

If you are upgrading M-Business Server on Solaris, you must install the new version in a new location. The installer migrates your M-Business database to the new location, but you must manually migrate configuration file settings, certificate files, and any customizations you have implemented.

To install M-Business Server on Solaris

1. Log in as root.
2. Copy the file *MBAnywhereL_7.0.<build>.tar.gz* to a location on your hard drive where you want to install M-Business Server.

For example, */usr/local*.

Note

The file you download will have the build number in the position of *<build>* in the file name above.

Note

The directory in which you install M-Business Anywhere sets the path in *<M-Business_Home>*.

Caution

Do not specify a path that includes any spaces or non-English characters in any of the directory names.

Note

The `gzip` and `gtar` commands used below are required because `tar` on Solaris does not support long file names. If you do not have `gtar` and `gzip` on your machine, you can download them from the Web.

Download **gzip** from:

<http://www.gnu.org>

Download **gtar** from:

<http://www.sunfreeware.com>

3. To create the *MBAnywhereS_7.0.<build>* directory, in the current directory where you placed *MBAnywhereS_7.0.<build>.tar.gz*, type:

```
gzip -dc MBAnywhereS_7.0.<build>.tar
```

Replace *<build>* with the build number in the actual file name.

Note

This is the directory at the end of the path in `<M-Business_Home>`. By default, this directory is named `MBAnywhereS_7.0.<build>`, with the build number in the position of `<build>`.

Note

If you receive the following error message, you used the Solaris native `tar` instead of `gtar` from Sun.

```
tar: the directory checksum error
```

4. To change to the `<M-Business_Home>/conf` directory, type:

```
cd <M-Business_Home>/conf
```

5. To install and start up M-Business Server services, type:

```
./installMBAnywhereS_7.0.<build>
```

Replace `<build>` with the build number in the actual file name.

6. Answer the installer prompts.

If you are upgrading from an earlier version of M-Business Server and wish to migrate your data:

- Answer **Y** for "Yes" when prompted, "Do you have an existing M-Business Anywhere database that you want to migrate?"
- Enter the full path to the `<M-Business_Home>` directory for the previous installation when prompted.

If you want to perform a fresh install, either for a first time installation, or for an upgrade from an earlier version of M-Business Server from which you do **not** wish to migrate your data:

- Answer **N** for "No" when prompted, "Do you have an existing M-Business Anywhere database that you want to migrate."

7. Answer the rest of the installer prompts.

Note

Do **not** enter `root` when you answer the prompt for either user or group. Besides the security issue, the Apache install fails if either user or group is set to `root`

8. To verify that all services are running (`admin`, `asa`, `soap`, `sync`), type:

```
./agserver status
```

9. If you changed the UI Port setting from the default, run the `agreservedsubs` script:

- At a command prompt, navigate to the `<M-Business_Home>/conf` directory.
- Enter `agreservedsubs`.

10. If your installation was an upgrade from an earlier version of M-Business Server, complete any manual tasks that are necessary to migrate all your customizations. See [“Preserving customizations” on page 14](#).

After installing M-Business Server, ensure database security by changing the default passwords. For detailed instructions on changing database passwords, refer to the *Administrator Guide for M-Business Anywhere Server*. See [“Configuring M-Business Server after installation” on page 20](#).

Configuring M-Business Server after installation

This guide covers the primary tasks involved in installing and upgrading M-Business Server. The *Administrator Guide for M-Business Anywhere Server* covers all the tasks involve in configuring and maintaining M-Business Server after installation.

After you have completed the installation and upgrade instructions in this guide, go on to the *Administrator Guide for M-Business Anywhere Server* to find instructions for configuring your M-Business Server. The "Post-installation checklist" topic in that guide contains links to all the tasks that you are likely to need to perform immediately after installing M-Business Server.

If you have opened this guide from the Getting Started CD image that contains the M-Business Server installer for your platform, the *Administrator Guide for M-Business Anywhere Server* is not available on that CD image.

To access the *Administrator Guide for M-Business Anywhere Server*, follow the instructions for accessing the M-Business Anywhere documentation set in [“The M-Business Anywhere documentation set” on page ix](#).

Working with local PDF files

If you have downloaded the PDF files for this guide and for the *Administrator Guide for M-Business Anywhere Server* into the same local directory, the link below will take you directly to the "Configuration to complete the installation" topic in that guide:

[“Configuration to complete the installation” \[M-Business Anywhere Administrator Guide\]](#)

Other approaches

If you are unable to make the link above work:

- Open the *Administrator Guide for M-Business Anywhere Server* online.
- Navigate to the "Introduction" chapter, then to the "Post-installation checklist" topic near the end of that chapter.

Uninstalling M-Business Server

Uninstalling M-Business Server on Windows

The uninstaller will ask if you wish to delete or preserve your pre-existing database. If you choose **Yes**, the M-Business Server database that contains user, group, and channel information will be preserved.

To uninstall M-Business Server on Windows

1. Choose **Start » Settings » Control Panel**.
2. Double-click the **Add/Remove Programs** icon.
3. Select **M-Business Server**, then click **Change/Remove**.

Uninstalling M-Business Server on UNIX

Uninstalling on Solaris removes M-Business Server and the database of user, group, and channel information. If you want to preserve the database, move the directory `<M-Business_Home>/ASA/data/` to a new location before uninstalling.

Note

`<M-Business_Home>` is the M-Business home directory that is created under the location that you specify during installation. For more information, see [“The M-Business home directory” on page vii](#).

To uninstall M-Business Server on UNIX

1. Log in as root.
2. Change directories to `<M-Business_Home>/conf`.
`cd <M-Business_Home>`
3. Stop the synchronization process by typing:
`./agserver stop all`
4. Go to the `<M-Business_Home>` parent directory:
`cd ../../`
5. Remove the `<M-Business_Home>` directory by entering:
`rm -r <M-Business_Home>`

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