

MiCollab Advanced Messaging Mobile Client Service System Administrator Guide

For version 9.2 and above

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Preface

This guide describes how to install and configure the MiCollab AM Mobile Client Service.

This guide is written for Mitel-certified MiCollab Advanced Messaging (MiCollab AM) administrators who are familiar with MiCollab AM procedures and terminology, the **MiCollab AM Configuration** utility, and the Microsoft Windows® operating system or the Linux® operating system, and have a working knowledge of web servers and Internet protocols.

Before implementing any procedures in this guide, ensure that MiCollab AM software is installed and running successfully.

To install MiCollab AM Mobile Service in an organization successfully, the assistance of the following individuals, who constitute the installation team, is required:

- MiCollab AM system administrator
- Microsoft Windows Server administrator
- Web server administrator
- MIS/IT support staff

IMPORTANT Ensure each member of the installation team receives a copy of this guide several days or weeks before the installation of MiCollab AM Mobile Service.

References

A catalog of technical documentation is included on the MiCollab AM Installation Media. If you are installing any advanced applications, such as Networking and Fax Server applications, you should refer to the appropriate technical documentation for application and installation information.

Documentation

The technical documentation is produced in the PDF format and requires the PDF reader to view it. The MiCollab AM Documentation Library includes the following documents and resources:

- **Administration Documentation.** Available as a PDF only. Contains the following:
 - **Administration Guides.** Available as a PDF only. Contains administrative guides for administrators about how to manage and configure the messaging system.
 - **Quick Reference Cards (QRC).** Contains shortcuts and quick instructions telling subscribers how to access and use the messaging system.
 - **User Guides.** Available as a PDF only. Contains user guides for subscribers about accessing the messaging system and checking and sending messages.
- **Server Documentation.** Available as a PDF only. Contains the following:

- **Developer Resources.** Contains programming guides and API references for developers for integrating the server clients and web applications with MiCollab AM.
- **Installation and Configuration.** Available as a PDF only. Contains installation and configuration guides for server administrators about how to install and configure the messaging system.
- **Integration Technical Notes (ITN).** Contains a set of guides that describe the integration methods and instructions for a variety of phone systems to work with MiCollab AM. The ITNs are generally used by resellers or administrators who are experienced with MiCollab AM and familiar with the integration procedures and terminology.
- **Spare Parts Documentation.** Contains a set of guides that describe the instructions for installing and configuring hardware parts to work with MiCollab AM. These documents are written for Mitel-certified MiCollab AM technicians who are experienced with MiCollab AM and familiar with the procedures and terminology.
- **Software Release Notice (SRN).** This notice introduces the new features, capabilities, and hardware/software requirements for the corresponding MiCollab AM version.

Documentation Updates

Documentation updates may be available from the following sources:

- Mitel-certified technicians can view or download documents and program files from our partner web site: www.mitel.com

Help

The primary source of information about MiCollab AM is the online help available within any of its administrative utilities. You can access **Help** by clicking the **Help** button in the dialog box or window in which you are working.

Document Conventions

The following conventions are used in this document:

- **Key Names.** Names of keys on the keyboard are shown in a box.

Example: **Enter**

When two keys must be pressed simultaneously, they are joined by a + sign.

Example: **Alt** + **Tab**

- **Reference to Document** Titles of other documents are shown in italics.

Example: See the *System Installation and Configuration Guide*.

- **User Interface (UI) Element Names.** Names of UI elements such as dialog boxes, windows, screens, menu items, tabs, buttons, and icons are shown in bold.

Example: On the **Startup** screen, click the **Start** icon.

- **User Input.** Information required to be typed is shown in italics.

Example: Type the password *voicemail*.

- **Warning, Caution, Important, and Notes.** Text for the contents that require attention are shown as follows:

WARNING A warning paragraph advises you of circumstances that can result in the loss of data, harm to the MiCollab AM System Server platform, or personal harm.

CAUTION Failure to follow these recommendations can result in unauthorized access to the system and consequent loss of data.

IMPORTANT An important paragraph gives decision-making information or informs you of the order in which tasks need to be completed.

NOTE A note gives additional information, provides an explanation, or indicates an exception to the information in the preceding text.

For more related documents, refer to the following list of references:

Table 1. References

Document Type	Document Title
Administration Documentation	<i>System Administration Guide</i>
Server Documentation	<i>System Installation and Configuration Guide</i>
Server Documentation	<i>Software Release Notice</i>
Online help	MiCollab AM online help system

Frequently Used Terms

Table 2. Frequently Used Terms

Terms	Description
System Server	Term refers to an organization's computer platform(s) that have MiCollab AM software installed and handles the core system functions such as storing messages, database.

	It can also refer generically to the System Server platform, the Call Server platform, or both. The term is most often used to describe a software or hardware installation or configuration practice where the role of the server platform is not specifically expressed.
Call Server	Term refers to an organization's computer platforms that have MiCollab AM software installed and serve as the interface to the system (PBX). The Call Server(s) interface with the System Server for the purpose of accessing messages, and database.

Overview

MiCollab AM offers several different ways for users to control and administer available mailbox options. In addition to Web PhoneManager™, the following tools are available for mobile use:

- MiCollab AM Mobile for Android: A fully featured mobile client for Android™ based smart phones.
- MiCollab AM Mobile for iPhone: A fully featured mobile client for the iPhone®.
- MiCollab AM Mobile for Web: A more basic mobile optimized version of Web PhoneManager intended for use on mobile devices that don't support a native client.

NOTE For software version 8.7 SU4 and above, depending on the system configuration, the user may be automatically logged out of the mobile client after a period of inactivity. The user must re-enter their password to continue using the mobile client.

MiCollab AM Mobile for Android

MiCollab AM Mobile for Android allows subscribers to manage their mailboxes and messages using an Android operating system based smart phone.

It provides a convenient application screen and standard handset based controls that help to organize messages and mailbox settings and that allows subscribers quick and easy access to their mailbox.

Subscribers with questions about MiCollab AM Mobile can access online help by pressing their phone's **Menu** key and selecting settings. Help is available there by clicking the **Navigation Menu > Help**.

MiCollab AM Mobile for iPhone

IMPORTANT In order to use MiCollab AM Mobile for iPhone, MiCollab AM 5.1 or higher is required.

MiCollab AM Mobile for iPhone allows subscribers to manage their mailboxes and messages using an iPhone.

It provides a convenient application screen and standard handset based controls that help to organize messages and mailbox settings and that allows subscribers quick and easy access to their mailbox.

MiCollab AM Mobile for Web

MiCollab AM Mobile for Web installs automatically with Web PhoneManager. If Web PhoneManager is installed, open the root URL for Web PhoneManager server and append /mobile to access the mobile phone browser optimized site.

For example, if Web PhoneManager is installed as <http://server.mycompany.com>, use <http://server.mycompany.com/mobile> to access MiCollab AM Mobile for Web. For more information on installing Web PhoneManager, see the Web PhoneManager Software Installation Guide.

Subscribers with questions about MiCollab AM Mobile can access online help by clicking the **Help** link in the top right corner of any browser page.

NOTE If the Search function in the online help is not working, check your Windows IIS Request Filtering configuration to make sure that the setting for the .xml file extension is Allowed.

How It Works

MiCollab AM Mobile Service operates as a PHP web server application. It acts as a liaison between the subscriber's smart phone and the MiCollab AM System Server. When a subscriber opens the MiCollab AM smart phone application, a connection is established with the System Server. For security purposes, communication between the handset and the server is encrypted when an SSL certificate is installed and configured on the MiCollab AM Mobile server.

NOTE Although not required, installing an SSL certificate and implementing encrypted communication is strongly suggested.

IMPORTANT If using the *Availability* feature, be sure to synchronize the Mobile Server's clock with the System Server in order for the *Availability* automation to stay precise and perform accurate time calculation.

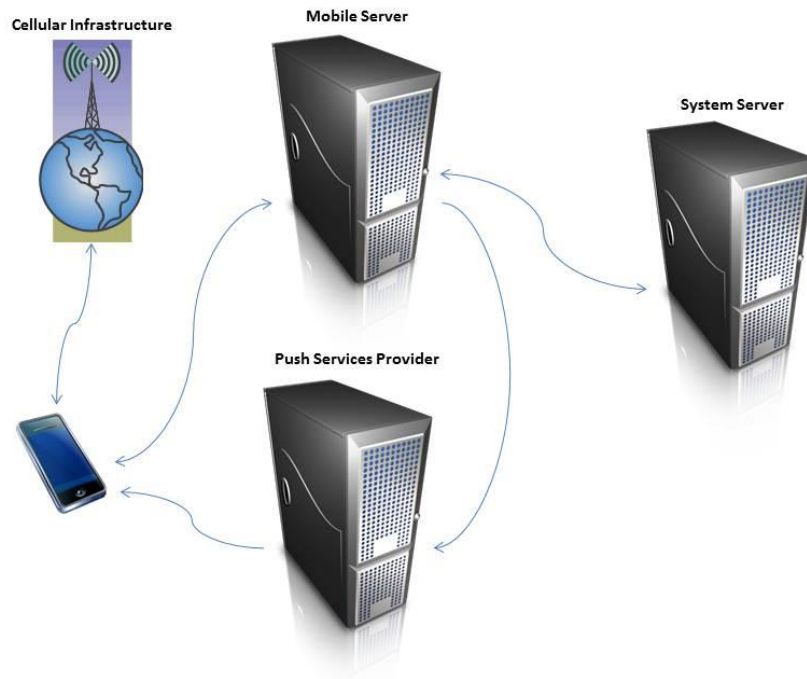


Figure 1. Overview of MiCollab AM Mobile Service

Before You Install

This section lists the installation requirements for successfully installing MiCollab AM Mobile Service. Be sure to review and meet these requirements before continuing with the other procedures discussed in this document.

Web Server Installation Requirements

Be sure to review the following installation requirements to ensure that the correct files, versions, and service packs are installed on your web server.

Site Requirements

- TCP/IP-based connectivity between the MiCollab AM Mobile Service server and the MiCollab AM System Server
- MiCollab AM Mobile Service may run on the same physical server as Web PhoneManager™ and Message Cache Manager.

Microsoft Web Server Requirements

- Windows Server 2012 R2, Windows Server 2016 (Server with Desktop Experience), or Windows Server 2019 (Server with Desktop Experience) with the Windows Internet Information Server (IIS) version 6.x, 7.0, 7.5, 8.x, or 10.x component installed
- World Wide Web Publishing Service installed and running
- PHP version 7.0 with SOAP, XSL, cURL and OpenSSL modules installed
- To ensure web security using SSL, a certificate purchased from a Certificate Authority
- Access to a DVD/USB drive (for software installation)
- An Enterprise Mobility Management (EMM) tool

Microsoft Windows Apache Web Server Requirements

- Windows Server 2012 R2, Windows Server 2016 (Server with Desktop Experience), or Windows Server 2019 (Server with Desktop Experience)
- Apache Web Server versions 1.3.x or 2.2.x
- PHP version 7.0 with SOAP, XSL, cURL and OpenSSL modules installed
- To ensure web security using SSL, a certificate purchased from a Certificate Authority
- Access to a DVD/USB drive (for software installation)

Linux-based Apache Web Server Requirements

IMPORTANT Most current Linux server distributions include copies of Apache and PHP. However, because those distributions are not updated between releases, you may need to download, build, and install the required versions of Apache and PHP.

- Current server-class Linux distribution, such as Fedora®, Debian®, or OpenSUSE® Linux
- Apache Web Server versions 1.3.x or 2.2.x
- PHP version 7.0 with SOAP, XSL, cURL and OpenSSL modules installed
- To ensure web security using SSL, a certificate purchased from a Certificate Authority
- Access to a DVD/USB drive (for software installation)

Browser Requirements

- Client browsers must support JavaScript.

Installing MiCollab AM Mobile Service Server Components

Regardless of which server platform you choose to host MiCollab AM Mobile Service — IIS on Windows, Apache on Windows, or Apache on Linux — the basic stages of installation are as follows:

- Install or update the web server software.
- Install the PHP interpreter with its SOAP, XSL, cURL and OpenSSL modules.
- Install and configure the MiCollab AM Mobile Service software.

The following sections discuss this in more detail.

Web Server Software and Other Required Software

Because of the variety of different web server platforms, this document assumes that you have the web server and all associated software installed and running. If the web server software is not installed, please refer to the documentation appropriate to your operating system and web server selection.

In addition to the web server software, for all web server platforms, install PHP. You can download the software at www.php.net. Follow the installation instructions appropriate to your operating system and web server combination. For MiCollab AM Mobile Service specific configuration instructions, refer to the section, [Installing the PHP Interpreter](#).

Configuring IIS

Before you configure IIS, add a folder to the \Inetpub\wwwroot folder on your web server. This folder can have any name. However, make a note of the name for later configuration. It becomes the root folder for the MiCollab AM Mobile Service administration web site.

- If you are deploying more than one site, each one must have its own unique port. The customary default port for Web sites is 80, but adjacent port numbers such as 75 or 82 also work. 8000 and 8080 are also common alternative port numbers.
- After you have set up IIS, create a new web site using the \Inetpub\wwwroot\{root folder} folder as the home directory.
- You may also want to create a test web site and populate it with static HTML pages. Using a browser on a second computer, log on to the test site and make sure it functions normally. This tests IIS itself and verifies that the basic IIS installation is working correctly.
- After you have finished configuring IIS, stop all web sites except for the default site.

Configuring Apache Server

After you have installed the Apache software, you need to adjust a few of its default settings so that it runs correctly. These settings are located in a configuration-setting file named `httpd.conf`.

IMPORTANT The following procedure discusses only the configuration settings that pertain directly to MiCollab AM Mobile Service. Changing other configuration settings can prevent your Apache server from operating correctly. For more information about Apache configuration, refer to <http://httpd.apache.org/docs/2.2/configuring.html>.

To configure your Apache server:

- 1 From the Start menu, select **All Programs > Apache HTTP Server > Configure Apache Server**, and then click **Edit the Apache httpd.conf Configuration File**.
- 2 In the configuration file, update the following settings to the values shown.

Table 3. Configuration Values

Setting	Value	Comment
DocumentRoot	{apachefolder}/htdocs	In most circumstances, you can leave this at its default, which is based on the directory where you installed the Apache software (shown here by [apachefolder])
DirectoryIndex	Index.php index.html	

- 3 From the menu bar, select **File > Save**, and then click **Exit**.

NOTE It is recommended that you restart the web server platform after the installation and configuration of the Apache server is complete.

The Apache Web Server software installation places a test page in the server's document root directory. To display the test page, start a web browser on another computer within the web server's network and navigate to `http://myserver`, where *myserver* is the full address you have assigned to the server. You should see the words "*It works!*" in the browser.

Installing the PHP Interpreter

Because of differences in server platform, web server, and web server configuration, instructions on how to install and configure PHP is beyond the scope of this document. Consult the documentation for your operating system and web server for detailed instructions. Once the PHP interpreter is installed and configured, there are several things to do to allow the installation to work with MiCollab AM Mobile Service.

NOTE For Windows based web servers, The PHP Group provides an MSI Installer that greatly simplifies the installation and configuration of PHP, available in the Windows Binaries downloads section.

Creating Working Folders in the PHP Directory

After you have installed the PHP software, create two new folders named **Upload** and **Session** within the directory where you installed PHP. During MiCollab AM Mobile Service sessions, PHP uses these folders as temporary holding locations for uploaded files and session information.

To ensure that these folders function properly for all MiCollab AM subscribers, check and adjust their access permissions as shown in the following table.

Table 4. Working Folder Creation

If your web server runs...	Then...
Windows	It is not necessary to create working folders under Windows. The PHP installer does this automatically.
Linux	Use the <i>chmod</i> and <i>chown</i> commands to give the default web user account ownership and read, write, and file execute (but not directory execute) privileges for the folders.

Editing the PHP.ini File (Linux)

After you have installed PHP and its SOAP, OpenSSL, XSL, and cURL modules, use a text editor to open the PHP.ini file. This file is located in the root directory that you specified for PHP during its installation.

In the PHP.ini file, verify that the settings in the following table are assigned the values shown. If not, change the settings as needed.

Table 5. PHP.ini File Editing

Setting	Location	Value
cgi.force_redirect	Paths and Directories	0 (if PHP is running in CGI mode)
upload_tmp_dir	Fopen wrappers	The full path to the Upload folder in the PHP root directory
session.save_path	Fopen wrappers	The full path to the Session folder in the PHP root directory
upload_max_filesize		10M
Post_max_size		10M

Verify that references to the SOAP, Open SSL, cURL and XSL modules are added. These references have the following general format:

Extension = *filename*

Where *filename* refers to the actual filename of the module, (the filename can vary between Windows and various Linux distributions).

Table 6. Locating the Module References

If your web server runs...	Then you can find the module references...
Windows	It is not necessary to create working folders under Windows. The PHP installer does this automatically when the optional modules are selected during setup.
Linux	In separate files call <i>soap.ini</i> and <i>xsl.ini</i> , which may be located in an alternate configuration directory (see the PHP status page in the following procedure for the name of this directory if necessary)

Testing the PHP Interpreter

Once you have installed the PHP interpreter, you can use the web server to test it. The following procedure explains how to call up the PHP status page in a web browser.

IMPORTANT Technical Support personnel cannot help you troubleshoot your installation of MiCollab AM Mobile Service until your web server has passed this test.

To test the PHP interpreter:

- 1 Start a text editor on your web server platform, and then create a new document.
- 2 In the new document, type the following text:
<?php phpinfo(); ?>
- 3 Save the new document in the default root folder of your web server as a text file named `phpinfo.php`.
- 4 At a different computer that has network access to the web server, start a web browser. On the browser's address line, enter the address:

`http://servername/phpinfo.php`

(Where *servername* is the network name or domain name of your web server)

- 5 Proceed according to the result you see in your web browser.

If you see...	Then...
An error page	Examine your web server software and reconfigure it as needed.
The PHP status page	Continue to step 6.

- 6 Scroll down the PHP status page to verify that the SOAP, OpenSSL, cURL and XSL modules are installed and enabled.

If...	Then...
One or more modules are not installed or enabled	The PHP interpreter is not configured correctly. Examine your installation of PHP and reconfigure it as needed.
All modules are installed and enabled	The web server and PHP interpreter are working correctly. Continue to step 7.

- 7 Exit your web browser.

Changing the Permissions of the Config Directory

Upon initial configuration of your MiCollab AM Mobile Service server, you must make the config directory on your web server writable to the web server's guest account. As such, you need to update the permissions of the config folder to give full control to either the Internet Guest Account (if you are using IIS) or to the default web user (if you are using the Apache web server).

To ensure that the directories and files in the MiCollab AM Mobile Service site are available to MiCollab AM subscribers, check and adjust the folders access permissions as shown in the following table.

Table 7. Changing the Config Directory

If your web server runs...	Then...
Windows 2016/2019 IIS 10.x	Grant Full Control permissions to the default Internet Guest Account on the web server platform (USER_platformname)
Windows 2012 R2 IIS 8.x	Grant Full Control permissions to the default Internet Guest Account on the web server platform (USER_platformname)
Linux	Use the chmod and chown commands to give the default web user account ownership and read, write, and file execute (but not directory execute) privileges for the folders.

Configuring the Firewall

If your organization maintains a firewall between its web-based servers and the organization's users, you must open one of the port addresses in the following table for MiCollab AM Mobile Service to function correctly.

Internal to DMZ Ports

Table 8. DMZ Ports

Port	Purpose
80	Primary HTTP port for the MiCollab AM Mobile Service site NOTE If you specified a different HTTP port when you installed the web server, substitute port 80 with the port number you specified.
443	Secure HTTP (HTTPS) port
18277	Secure SOAP port

DMZ to Internet Ports

Table 9. DMZ Ports

Port	Purpose
80	www.mitel.com
443	www.mitel.com https://pushnotifications.xmedius.com/api/notifications

IMPORTANT If you are installing MiCollab AM Mobile Service on an IIS server, you must go back to IIS Administration and start the *MiCollab AM Mobile Service* web site now.

Configuring Firewall for MiCollab AM Mobile Service

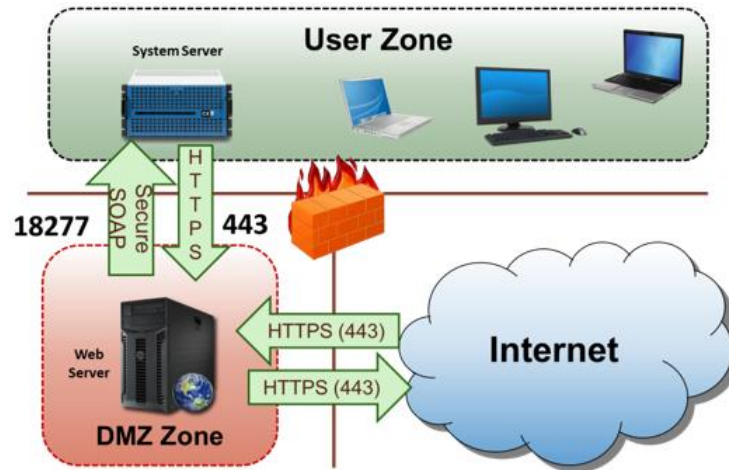


Figure 2. Firewall Configuration

Push Notifications

Incoming Call Notification

MiCollab AM Mobile Service is able to notify a subscriber's Android device of an incoming call. With incoming call notification, MiCollab AM Mobile Service sends an incoming call notification to devices able to receive incoming call notifications. If mobile notifications are not enabled for a device, MiCollab AM Mobile Service will not send an incoming call notification and will execute any call processing logic in the subscriber's account.

Badge Notification

MiCollab AM Mobile Service is able to notify a subscriber's mobile devices when a Message or Call Record changes. If the mobile device is enabled to receive mobile notifications, MiCollab AM will notify the subscriber when a voice or fax message is created, deleted, or set to either read or unread. In addition, the subscriber will receive a notification when a record is either in new-missed-call state or changes from that state to simply missed call state.

Installing MiCollab AM Mobile Service

Because Mitel has designed MiCollab AM Mobile Service to run on two different web server platforms and two different operating systems, MiCollab AM Mobile Service is supplied on the MiCollab AM Installation Media without a specific installation program. Instead, the files and directories that make up MiCollab AM Mobile Service are included on the installation media exactly as they must be installed on a web server.

To install MiCollab AM Mobile Service on the web server platform:

- 1 Log on to the platform using a Windows Administrator account.
- 2 Insert the MiCollab AM Installation Media into the appropriate drive.
- 3 Do one of the following:

If autorun is...	Then...
Enabled	The MiCollab AM Installation menu displays. In the MiCollab AM Server Components area, click Browse this disc , and then open the Server Installs folder on the media.
Not Enabled	Open the Server Installs folder on the media.

- 4 Copy the contents of the **Server Installs\CXMS** folder, including all subfolders, to the MiCollab AM Mobile Service site directory on the web server.

IMPORTANT Be sure to preserve and restore the original directory structure stored in the **Server Installs\CXMS** folder on the MiCollab AM Installation Media.

Changing the Permissions of the Certificates Directory

NOTE The certificate folder is only used by the iPhone components of MiCollab AM mobile.

Upon initial configuration of your MiCollab AM Mobile Service server, you must make the *certificates* directory on your web server writable to the web server's guest account. As such, you need to update the permissions of the *certificates* folder to give full control to either the Internet Guest Account (if you are using IIS) or to the default web user (if you are using the Apache web server).

To ensure that the directories are available for certain notification certificate update processes, check and adjust the folders access permissions as shown in the following table.

Table 10. Changing Permissions

If your web server runs...	Then...
Windows 2016/2019 IIS 10.x	Grant Full Control permissions to the default Internet Guest Account on the web server platform (<i>USER_platformname</i>)
Windows 2012 R2 IIS 8.x	Grant Full Control permissions to the default Internet Guest Account on the web server platform (<i>USER_platformname</i>)
Linux	Use the chmod and chown commands to give the default <i>web user</i> account ownership and read, write, and file execute (but not directory execute) privileges for the folders.

Configuring MiCollab AM Mobile Service

Once you have installed MiCollab AM Mobile Service, you must configure certain functions, such as the MiCollab AM Servers.

To configure MiCollab AM Mobile Service:

- 1 Launch your web browser.
- 2 Access the admin.php file for MiCollab AM Mobile Service by typing the following into the address field on your web browser:

http://servername/admin.php or **https://servername/admin.php**, depending on whether you have SSL installed and configured.

Enter your administrative credentials to access the server configuration page and click **Login**. The Mobile Data Service Settings page appears.

NOTES

- The default administrator logon is *administrator* with the password field left blank. However, any administrator account will work, as long as the account is a MiCollab AM administrator.
- If this is a new installation, the MiCollab AM Admin screen will first ask for the address of the MiCollab AM server. Click **Add New** to add the server address.

- 3 Set the default language for the administration page in the **Default Language** drop-down list.
- 4 Define your MiCollab AM System Servers in the **MiCollab AM Servers** section.
 - a If you are using SSL to encrypt communication between the MiCollab AM servers and the MiCollab AM Mobile Service server, set the **Encryption Type** to SSL.

- b** Enter an end-user friendly name for the System Server in the **Server Display Name** field. This name will be displayed during the mobile application logon process.
 - c** Enter the addresses of the MiCollab AM System Servers in the **Server Address** field. These addresses may be fully qualified domain names or IP addresses.
 - d** Enter the name of the Tenant in the **Tenant Name** field. If the same MiCollab AM server hosts multiple tenants, you can create multiple entries for the same server with different Tenant Names. For either a single-tenant or a multi-tenanted system, the **Tenant Name** field is mandatory and a Tenant Name must be entered.
- 5** Define the address of the MiCollab AM Mobile Service web server in the **Host Web Server Settings** section.
 - a** Select the **Use SSL** check box if MiCollab AM Mobile Service is configured to use SSL.
 - b** Enter the hostname or address of the MiCollab AM Mobile Service installation in the **Server Address** box.
 - c** Enter the path to the MiCollab AM Mobile Service installation in the **URL Path** box. That path should end in the file **cxmns.php**. If the value entered in the **Server Address** box points to the MiCollab AM Mobile Service folder on the file system, then you should enter **/cxmns.php** for this field. If MiCollab AM Mobile Service is located in a subfolder, then you should prefix that folder name to this value such as **/FOLDER_NAME/cxmns.php**.

Configuring MiCollab AM Mobile for Android Clients

MiCollab AM Mobile for Android requires very little setup. However, before setting up the client, you must download it from the Google Play Store. Each handset must meet the following system requirements:

- Android 4.0 or later.
- The Google Play Store application must be installed on the device.
- A Google Gmail account configured on the device.

To download the MiCollab AM Mobile for Android application:

- 1 Open the Google Play Store application on your handset. Although the exact procedure will vary slightly, depending on handset and phone skinning, open the application drawer by pressing the on-screen button or icon and browse for the Google Play Store.
- 2 Search the Google Play Store for "**MiCollab AM Mobile**". Different versions of the Google Play Store might have slightly different search procedures.
- 3 An application called **MiCollab AM Mobile** will appear in the list. Open the application listing by touching the entry.
- 4 On the application page, install the application by pressing the **Install** button on your handset screen.
- 5 Press **OK** to accept the application's permissions.
- 6 The application will install.

To configure the MiCollab AM Mobile for Android application:

- 1 Open your application drawer and find the MiCollab AM Mobile application.
- 2 Touch the icon to open the application. It will open to the logon screen.
- 3 Tap **Login**.
- 4 On **Account Setup**:
 - a Enter the External MiCollab AM Mobile Service host name in the **Server Name** field. This address will be provided by your system administrator.
 - b Check the **Use secure connection** box if an SSL certificate was installed on the MiCollab AM Mobile Service website.
 - c If more than one MiCollab AM server is available, a select server popup dialog will appear to the user. The user should select the system server appropriate to their account.

5 Tap **Next**.

6 In **Mailbox Credentials**:

- a Enter your mailbox ID in the **Mailbox ID** field.
- b Enter your security code in the **Security Code** field.
- c Enter the phone number for the *mobile handset* in the **Phone Number** field. This phone number must be configured as a mobile number in MiCollab AM.

7 Tap **Next**.

8 In **Notifications**, decide if you would like your handset to receive mobile notifications:

- a Select **Incoming calls and updates** to enable mobile notifications for incoming calls as well as new message and missed call updates.
- b Select **Updates only** to enable mobile notification for new message and missed call updates only.
- c Select **Maybe later** to not enable mobile notifications at this time.

NOTE If you later wish to disable mobile notifications, go to the **Notifications** section of the **Settings** menu.

9 Tap **Next**.

10 The MiCollab AM Mobile application is configured and active on your handset. Click **Finish**.

NOTE Help is available by opening the Navigation menu and selecting **Help**.

Configuring MiCollab AM Mobile for iPhone Clients

MiCollab AM Mobile for iPhone requires very little setup. However, before setting up the client, you must install it via the iTunes Store® or the App Store®.

To download the MiCollab AM Mobile for iPhone application:

- 1 Open the iTunes Store or the App Store depending on your version of iOS and search for **"MiCollab AM Mobile"**.
- 2 An application called **MiCollab AM Mobile** will appear in the list.
- 3 Install the application.

To configure the MiCollab AM Mobile for iPhone application:

- 1 Start the application by touching the icon. It will open to the logon screen.
- 2 Enter your mailbox ID in the **Mailbox ID** field.
- 3 Enter your security code in the **Security Code** field.
- 4 Enter the phone number *for the mobile handset* in the **Phone Number** field. This phone number must be configured as a mobile number in MiCollab AM.
- 5 Enter the External MiCollab AM Mobile Service host name in the **Mobile Server** field. This address will be provided by your system administrator.
- 6 Click **Login**.
- 7 If more than one MiCollab AM server is available, a select server popup dialog will appear to the user. The user should select the system server appropriate to their account.
- 8 Decide if you would like your handset to receive mobile notifications. If you later wish to disable mobile notifications, go to the **Notifications** section of the **Settings** menu.
 - a Select **Incoming calls and updates** to enable mobile notifications for incoming calls as well as new message and missed call updates.
 - b Select **Updates only** to enable mobile notification for new message and missed call updates only.
 - c Select **Maybe later** to not enable mobile notifications at this time.
- 9 The MiCollab AM Mobile application is configured and active on your handset. Help is available by opening the Navigation menu and selecting **Help**.

Configuring MiCollab AM Subscriber Mailboxes

In order for MiCollab AM Mobile client to properly connect to the MiCollab AM System Server, the mobile device on which MiCollab AM Mobile client will be configured must be in the user's account. To configure a user account for MiCollab AM Mobile, do the following:

To configure a user account for MiCollab AM Mobile:

- 1 On the MiCollab AM subscriber mailbox configuration screen, click the **Devices** tab.
- 2 Using the **Category** dropdown menu, configure an existing or new mobile device. This device must be a "mobile" device, either company or personal.
- 3 Select the **Enable Notifications** check box.
- 4 Click **OK**.

The screenshot shows the 'Subscriber Mailbox - DemoSystem - 1888 SUBSCRIBER EXAMPLE' window with the 'Devices' tab selected. The 'Device List' on the left shows 'Company Mobile' selected. The 'Properties' section on the right includes fields for 'Number' (2065551111), 'Type/Capabilities' (Phone: logon, can receive calls), 'Category' (Company Mobile), and 'Barge In Sensitivity' (slider at 0). The 'Mobile Device Client Properties' section has 'Enable Notifications' checked, 'Call Alert Type' set to 'Accept, Reject, Acknowledge, Transfer, Record Dialog', 'Response Timeout (sec)' set to 15, 'Platform Name' set to 'Android', 'Platform Version' set to 2, 'Client Version' set to 151, 'Last Logon' set to 'Wed Feb 10 02:32:35 2016', 'Client Active' checked, 'Model' set to 'evita', and 'Token' set to 'APA91bGFrGxgHbHMD-XwtZY-6ts51wWAPA91bGFrGxgHbHMD-X'. The 'Extension Properties' section on the left has 'MWI' checked, 'Switch Section' set to 'Direct Dial', and 'SMDI Prefix' set to 'Enable Fax Tone Detection'. The bottom of the window has 'OK', 'Cancel', and 'Help' buttons.

If subscribers are to be allowed to call out via MiCollab AM using a mobile handset, several things must be configured in MiCollab AM. In addition, a Personal Assistant (PA) license is required to log on to the application.

Long Distance Enabled

In many urban areas with multiple area codes, a subscriber may need to have long distance enabled for MiCollab AM to be able to connect the desired call to the mobile handset. Long distance for a particular subscriber is enabled and set under the **Features** tab of the Subscriber Mailbox.

Dialing Plan Setup

In addition to having long distance enabled in the subscriber account, the dialing plan must be configured in such a way as to allow MiCollab AM to reach a subscriber's mobile phone. The specifics of how this is set up will vary, depending on site requirements.

Trunk to Trunk Reply

Because MiCollab AM connects outgoing telephone calls using two ports, users must have trunk to trunk enabled in their subscriber mailbox.

To enable trunk to trunk, do the following:

- 1 Open **MiCollab AM Admin**.
- 2 Access the subscriber mailbox.
- 3 Ensure that **Allow trunk to trunk reply** is selected in the **Features** tab.

Lastly, users must have their long distance settings and dialing plan configured in such a way as to allow MiCollab AM to call out to a user's mobile phone to connect the outgoing call.

Upgrading MiCollab AM Mobile Service

Upgrading MiCollab AM Mobile Service entails copying the files from the installation media and overwriting the files on the web server. However, it is important to back up your original files, especially the original `config.xml` file. This will ensure that you can revert back to the original configuration, if required.

WARNING Any customizations to MiCollab AM Mobile Service that you have made will be lost as part of this upgrade. Any customizations must be manually applied after the upgrade.

NOTE If upgrading to MiCollab AM 9.2 SU2, system administrators must inform subscribers who use the MiCollab AM Mobile Service for Android client application that they need to obtain a new notification token in order to continue to receive notifications from the application. Depending on the scenario, use one of the following procedures to obtain a new token:

- If the subscriber opens the MiCollab AM Mobile Service for Android client application and sees the login screen, they must log in, then navigate to the **Logout** button on the navigation menu, press the **Logout** button to log out, and then log back in again.
- If the subscriber opens the MiCollab AM Mobile Service for Android client application and they are already logged in, they must navigate to the **Logout** button on the navigation menu, press the **Logout** button to log out, and then log back in again.

To upgrade your MiCollab AM Mobile Service system:

- 1 Browse to your MiCollab AM Mobile Service files on your existing system.
- 2 Make a backup copy of the entire web directory structure.
- 3 Browse to the certificate folder, if using iPhone mobile apps.
- 4 Make a backup copy of the certificate folder.
- 5 Locate the file `config.xml` and ensure that it is contained in the backup. If using a compressed archive for backup, retain a copy of this file outside of the archive.
- 6 Copy the directory structure of the MiCollab AM Mobile Service directories to the existing web folders, overwriting any existing files.
- 7 Copy the `config.xml` file retained above to the config folder and overwrite the existing file.
- 8 Copy the backed up copy of the certificates folder to the upgraded directory structure.
- 9 Configure MiCollab AM Mobile Service. Settings configured in the previous version will be retained via `config.xml`. However, you will need to configure any features not available in the previous version.

Managing MiCollab AM Mobile Application Through Enterprise Mobile Management

You can remotely install and manage the mobile application via your Enterprise Mobile Management (EMM) tool. You can also manage or wipe data as needed from your users' Android and iOS devices.

In the EMM, the application's managed configuration exposes the following properties for Android and iOS:

Android Properties	iOS Properties	Description
<code>serverAddress</code> (string)	<code>mobileServerAddress</code> (string)	The mobile data server address
<code>useSSL</code> (boolean)	<code>useSSL</code> " (boolean/number)	Determines if the connection is made with SSL or not
<code>username</code> (string)	<code>username</code> (string)	The username
<code>phoneNumber</code> (string)	<code>phoneNumber</code> (string)	The subscriber's mobile device phone number

For more information, see:

- Installing MiCollab AM Mobile Service Server Components
- Configuring MiCollab AM Mobile Service