Microsoft

Mac

Microsoft
Messenger:mac
VERSION 5.1

Deployment Guide

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Overview of Messenger for Mac

Messenger for Mac makes enhanced security, real-time communication and collaboration simple for corporate Mac users.

New in Messenger for Mac:

- Conversations with other employees occur through Live Communications Server, with enhanced security behind the corporate firewall.

- Through its integration with Live Communication Server, Messenger supports server-side session logging and more secure corporate messaging.

- A new tabbed interface provides simultaneous access to corporate and personal accounts.

Messenger for Mac provides two types of communication services for instant messaging:

- **Personal**   A personal account uses the MSN Messenger service. Contacts that a user adds to his or her personal account include friends and family members.

- **Corporate**   A corporate account uses the Microsoft Live Communications Server service. Connected to a Live Communications Server, Messenger for Mac users can communicate in real time over a corporate network. Contacts that a user adds to his or her corporate account include coworkers in the same company and associates at other companies.

Instant message conversations with other corporate account users are not limited to corporate users who have Messenger for Mac installed on their computers. With the federation features enabled on Live Communications Server, users can also have instant message conversations with users who have other instant messaging services in other organizations. If you purchase the instant messaging (IM) connectivity licenses that are required, you can allow your users to chat with users of AOL Instant Messenger (AIM), Yahoo Messenger, and iChat. You can authorize or deny federated access for individuals or groups of users, and block federated partners from using IM with particular users. You can also choose to archive messages to federated partners and notify those partners of this decision. For more information about federation and public IM connectivity, see the Live Communications Server 2005 with Service Pack 1 Planning Guide in the Deployment Resources area at http://www.microsoft.com/office/livecomm/.

Messenger for Mac topology

The topology, or configuration, of Messenger for Mac on a corporate network consists of the server and the client. The server is Microsoft Office Live Communications Server 2005 and is referred to as the Address Book Service.

Figure 1: Topology for Live Communications Server and Messenger for Mac

Client Macintosh running Messenger for Mac

A real-time communications client for corporate Macintosh users. With a corporate account, users in the same organization communicate by using text messaging through the Live Communications Server. Because the client is presence-enabled, status shows whether a user is connected to a network and available to communicate in real time.

Live Communications Server Standard Edition

A single, stand-alone instant messaging (IM) and presence server together on the same computer with a Microsoft Desktop Engine (MSDE) database for storing user data. A Standard Edition Server supports up to 15,000 concurrent connections and is the appropriate choice in small deployments where enterprise-level capacity and performance are not required. Microsoft® Office Live Communications Server 2005 is based on the Session Initiation Protocol (SIP) and SIMPLE (SIP IM and Presence Leveraging Extensions) standards.

Live Communications Server Enterprise Edition

For deployments that require higher availability or greater scalability, Live Communications Server Enterprise Edition offers two distinct parts:

- Live Communications Server Enterprise Edition, which manages client connections, presence, and other real-time communication features like instant messaging

- Live Communications Server Back-End Database, a back-end server that runs Microsoft SQL Server™ 2000 SP3a, which can be clustered

Together the Live Communications Server 2005 Enterprise Edition and the Live Communications Server 2005 Back-End Database form an enterprise pool. More than one Enterprise Edition Server can be in an enterprise pool. For more information about Live Communications Server Enterprise Edition and enterprise pools, see the Live Communications Server 2005 Technical Overview in the Deployment Resources area at http://www.microsoft.com/office/livecomm/.

Active Directory

The Live Communications Server and Messenger for Mac environment depends on Active Directory. Active Directory is used for authenticating, authorizing, provisioning, and configuring Live Communications Server. Active Directory also supplies the enterprise address list to make search-based lookups easier.

User Replicator

The User Replicator uses Directory Synchronization to track changes to user objects in Active Directory shortly after the changes occur. The User Replicator provides Active Directory a list of attributes which must synchronize with the Address Book Service. The User Replicator stores the changed attribute values it receives from Active Directory in the database of user data. The Directory Synchronization API gives the User Replicator a "cookie" that identifies a point in the Active Directory change list. When the User Replicator passes a cookie to Directory Synchronization, it receives every change after the point identified by the cookie. The only state that User Replicator stores as a result of synchronization is the cookie.

Communicator and Messenger for Mac

The Windows-based Microsoft Office Communicator 2005 enterprise messaging client that integrates instant messaging with telephony and has enhanced security. It is the next-generation Windows-based, real-time collaboration tool for information workers. Users can experience multiple modes of communication at the same time. These modes include instant messaging, video conferencing, telephony, application sharing, and file transfer.

The following table lists the features and capabilities of Communicator and Messenger for Mac. For more information about features of Communicator, see Communicator Help.

Features and capabilities	Communicator 2005 (Windows)	Messenger for Mac
Instant messaging	Yes	Yes
File transfer	Yes	Yes (you can globally disable file transfer on Live Communications Server)
Share applications with contacts	Yes	Unavailable
Whiteboard sessions	Yes	Unavailable
Telephony (PC-to-phone)	Yes	Unavailable
Video communication	Yes	Unavailable
Remote assistance	Yes	Unavailable
Private Branch Exchange (PBX) integration	Yes (requires third-party infrastructure support)	Unavailable
Public Switched Telephone Network (PSTN) conferencing	Yes (requires third-party infrastructure support)	Unavailable
Microsoft Office integration	Yes	Yes (Entourage projects, Word Reviewing toolbar)

Personal and corporate accounts on Messenger for Mac

The following table shows the differences between using a personal account with Messenger for Mac and a corporate account with Messenger for Mac.

Messenger for Mac feature	Personal account	Corporate account
Signing in	Requires e-mail address and password for the Passport Network	Requires corporate credentials: e-mail address, password. A domain name and user ID can also be required.
Search for a Contact	Search for contacts in the MSN Member directory.	Search for contacts by e-mail address.
Send File	Send a file to a personal contact.	Send a file to contacts and coworkers in the same company and associates at other companies.
View Profile (Contact menu)	View profile of personal contact.	Not applicable
Add a Contact	Add a contact for a user who has a Microsoft Passport Network account.	Add a contact who is listed in the corporate global address list (GAL). Add contacts for users who have other messaging services, such as AOL Instant Messenger (AIM), Yahoo Messenger, and iChat (with federation features enabled on Live Communications Server).
Add contact to Office Address Book	Add a contact to Office Address Book in Entourage.	Unavailable
Passport Network Privacy	Set this option in Privacy preferences to always be prompted to type a password.	Not applicable
Page button	Page a personal contact.	Unavailable
Mail button	Start MSN Hotmail.	Start default e-mail application.

Security

Security features of Live Communications Server include end-to-end encryption through the Transport Layer Security (TLS) protocol and full authentication through Active Directory.

Active Directory

Live Communications Server uses Active Directory as its account database. It relies on Active Directory for authenticating users, and for keeping track of external forest contacts, computers, and other network resources. A forest is a collection of one or more domains in Microsoft Windows that share a common schema, configuration, and global catalog and are linked with two-way transitive trusts. Users, contacts, and computers are all represented in Active Directory as classes. The ways in which they interact are defined by their respective attributes. For more information about Active Directory classes, see Live Communications Server 2005 Technical Overview in the Deployment Resources area at http://www.microsoft.com/office/livecomm/.

Authentication

Messenger for Mac uses NTLM as the default protocol for Live Communications Server authentication. Messenger for Mac can also use the Kerberos protocol for Live Communications Server authentication. For more information about how to use Kerberos with Messenger for Mac, see Using Kerberos for Macintosh on page 20.

Live Communications Server authentication consists of two phases:

1. A security association is established between the client and the server.

2. The client and server use the established security association to sign messages that they send and to authenticate the messages they receive. Unauthenticated messages from a client are not accepted when authentication is enabled on the server.

Trust

The concept of trust is fundamental to security in Live Communications Server. A connection, server, or user is generally considered to be trusted if messages from the source are not challenged. Trust is established through the exchange of certificates.

Certificates

To make sure that TLS can be used as the transport protocol for Live Communications Server, an organization must have a certificate infrastructure. This infrastructure includes a certification authority (CA) for issuing certificates to servers.

Live Communications Server uses:

- **TLS optionally for authenticating servers to clients.** On a TLS connection, the client requests a valid certificate from the server. To be valid, the certificate must be from a CA trusted by the client. If the certificate is valid, the client trusts the server and opens the connection. If TLS is unavailable, Messenger for Mac uses TCP.

- **Mutual TLS (MTLS) for server-to-server authentication.** On an MTLS connection, the server originating a message and the server receiving it exchange certificates from a mutually trusted CA. The certificates prove the identity of the remote server.

In enterprise Live Communications Server deployments, a certificate must be issued from a trusted client root CA or installed on the client as a trusted root CA for the client to trust the certificate. A root CA signs the certificates of subordinate CAs. The root CA has a self-signed certificate that contains its own public key. In federated scenarios, the CA must be trusted by both federated partners. Each partner can use a different CA.

Trusted connection

A new connection created on one server is considered to be trusted if the following conditions are true:

- The connection uses MTLS

- The fully qualified domain name of the server originating the connection is on a list of internal servers

An untrusted connection is any other connection that does not meet one or both of these two requirements. If the first requirement fails, the second requirement is not examined.

Messages received on a trusted connection are not challenged. If the negotiation fails in such a way that the originating server does not have a valid certificate, the connection is dropped. If the certificate is valid but not trusted by the servers cloud (see the following section on "Trusted server"), the connection is not trusted, and all requests are challenged.

Trusted server

A trusted server is one presenting a certificate from a valid certification authority. Messages from a trusted server are not challenged. A set of trusted servers forms a servers cloud, which has the following additional characteristics:

- All servers in the cloud communicate with one another using the Session Initiation Protocol (SIP).

- All messages in the cloud pass only from server to server, without intermediary clients or servers that are not trusted.

- All messages from outside the cloud are authenticated by the first SIP server to receive the message.

Trusted user

A trusted user is one whose credentials have been authenticated by a Live Communications Server. However, user trust is attached to each message that originates from a user, not to the user identity itself. The server checks each message for valid user credentials. If the user credentials are valid, the message is unchallenged by the first server to receive it in addition to all other servers in the more secure server cloud.

Planning a deployment

The following list shows dependencies and prerequisites for deploying Messenger for Mac in your enterprise:

- Live Communications Server 2005 with SP1 and a dependency on Active Directory (includes the Address Book Service)

- Microsoft Windows Server 2003, Standard or Enterprise Edition, and as related dependencies:

    o Microsoft .NET Framework version 1.1

    o Internet Information Server 6.0

- Microsoft Messenger for Mac 5.1 or later

For more information about how to deploy Live Communications Server 2005, see Live Communications Server Deployment Series in the Deployment Resources area at http://www.microsoft.com/office/livecomm/.

For more information about the Address Book Service, see the Microsoft Office Live Communications Server 2005 Address Book Service Planning and Deployment Guide in the Deployment Resources area at http://www.microsoft.com/office/livecomm/.

Note Deploying Messenger for Mac requires no additional Active Directory planning or deployment, because you completed your Active Directory planning when you deployed Live Communications Server. This planning includes, for example, your Active Directory topology, global catalog placement, and integrated domain name system (DNS) servers. For more information about Active Directory planning, see the Live Communications Server 2005 Active Directory Preparation document in the Deployment Resources area at http://www.microsoft.com/office/livecomm/.

Client hardware and software requirements

To set up a corporate account, Messenger for Mac requires a connection to Live Communications Server 2005. For more information about the infrastructure requirements and supported configurations for Live Communications Server, see Live Communications Server Deployment Series in the Deployment Resources area at http://www.microsoft.com/office/livecomm/.

Each client Macintosh must meet the following requirements:

- A native G3, G4, or G5 Macintosh computer, with 20 MB of available hard-disk space and 128 MB of RAM

- Mac OS 10.3.x or later versions Mac OS

- Access to the corporate intranet

Planning for capacity

Many of your capacity planning decisions are based on your Live Communications Server deployment. For more information about capacity planning and your Live Communications Server deployment, see the Microsoft Office Live Communications Server 2005 Planning Guide. However, the following details regarding synchronization are specific to the Address Book Service.

Synchronization scheduling on the server

The Address Book Service synchronization reads the user and contact information from a SQL table written by User Replicator. The User Replicator writes the Active Directory attributes for each user and contact into the AbUserEntry table.

You can configure the interval at which synchronization occurs. For more information about Address Book Service, see the Live Communications Server 2005 Address Book Service Planning and Deployment Guide in the Deployment Resources area at http://www.microsoft.com/office/livecomm/.

On Messenger for Mac

When the user signs in for the first time, Messenger for Mac synchronizes with the Address Book Service to download a full Address Book data file from the front-end Address Book Service. A full file size is expected to be about 1 MB for every 10,000 contacts. On subsequent client sign-ins, Messenger receives a delta file of changed Address Book data.

Planning for the number of users supported

The number of users the Address Book Service can support depends on the topology and the computer on which the Address Book Service is running.

When the Address Book Service is installed on the same computer that is running Live Communications Server 2005:

- One Front-End Address Book Service can support about 15,000 users.

- One Back-End Address Book Service can support about 100,000 users.

If your organization has an existing Live Communications Server 2005 Enterprise Edition deployment, you can deploy multiple Address Book Services on multiple Enterprise Edition servers. This lets you take advantage of the existing load balancing mechanisms for better performance.

Installing and configuring Messenger for Mac on a corporate network

The following steps summarize the process of installing Messenger for Mac and connecting to a Live Communications Server:

1. Install a certificate for the TLS connection to the Live Communications Server.

2. Download and install Messenger for Mac 5.1 or later.

3. Set up a corporate account in Messenger for Mac.

Note   On a corporate network, you might want to prevent Messenger for Mac users from using a personal account to connect to the MSN Messenger service. To disable connectivity with the MSN Messenger service, close the ports in your corporate firewall on which incoming network communication is received for the MSN Messenger service. The primary port that is used for the MSN Messenger service is 1863.

Installing a certificate for the TLS connection

If you are using TLS to connect Messenger for Mac clients to a Live Communications Server, users must have an X509 certificate for authenticating the server to the Messenger for Mac client. If the server uses a certificate from one of the root CAs preinstalled on the client Macintosh, the user is not required to install the certificate again. When a user signs in to a TLS connection, Messenger for Mac requests a valid certificate from the server. To be valid, the certificate must be from a CA trusted by the client. If the certificate is valid, the client authenticates the server and opens the connection.

To install a certificate on a Messenger for Mac client

1. Download a certificate file to the Macintosh client computer.

2. Double-click the certificate.

3. On the **Keychain** pop-up menu, click **X509 Anchors**, and then click **OK**.

4. If prompted for name and password, type the name and password for an administrator user on the Macintosh computer.

Installing Messenger for Mac on the client

Messenger for Mac does not support or include tools for automated installations across a network. To install Messenger for Mac, use one of the following options:

Network installation point   You can deploy Messenger for Mac to your organization by having users copy it from a network installation point. Follow the instructions in this section for deploying Messenger for Mac from a network installation point.

Download to each client Mac   Users can download Messenger for Mac. The process of downloading and installing Messenger for Mac is straightforward, and instructions are provided on the Web site. Follow the instructions in this section for downloading and installing Messenger for Mac.

To deploy Messenger for Mac from a network installation point

This process involves the following steps:

1. Download Messenger for Mac from the Microsoft Web site.

2. Expand the file that you downloaded.

3. Copy the expanded program file to a folder on a server, and make the folder available from the network. This is the network installation point.

4. Set the permissions for the network installation point.

5. Instruct your users to copy the expanded program file to their Macintosh computers and double-click the Messenger for Mac icon to start the installer.

For more information about deployment methods and options, see *Microsoft Office 2004 for Mac Resource Kit* in the Resources area on the Microsoft Web site at http://www.microsoft.com/mac/.

If you are instructing Macintosh users in your company to download and install Messenger for Mac, make sure that you provide the users with all the following information:

- Instruct users to visit the download area of the Microsoft Web site (http://www.microsoft.com/mac/) and download Messenger for Mac 5.1 or later.

- If you have downloaded and expanded the Messenger for Mac file and copied it to an installation point on your network, instruct users to copy this file to their Macintosh computers.

- Each user must have a valid company e-mail address and password.

- If a User ID is required to sign in, make sure that users know the name of their domain and the user name they must use.

- If users are required to manually configure network settings, provide them with the IP address or fully qualified domain name of the Live Communications Server.

To download and install Messenger for Mac and set up a corporate account

1. Visit the download area of the Microsoft Web site (http://www.microsoft.com/mac/), download Messenger for Mac, and then follow the instructions for saving and expanding the Messenger for Mac file that you downloaded.

2. To start the installer, double-click the Messenger for Mac icon.

3. Follow the Setup Assistant instructions and set up a corporate account.

4. If the connection to the Live Communications Server is not automatically configured, manually configure the connection by specifying the IP address or name of the server.

   If the Live Communications Server is not detected automatically, a message informs the user that sign-in to Messenger for Mac did not succeed because the service is temporarily unavailable. Automatic configuration requires that you create a domain name system server (DNS SRV) resource record for your Live Communications Server deployment. With automatic configuration enabled, the client automatically queries for DNS SRV resource record. The client either connects directly or is redirected to the correct Live Communications Server.

   For instructions on creating a DNS SRV resource record for your Live Communications Server deployment and more information about automatic configuration, see the Standard Edition Deployment Guide for Live Communications Server 2005 with SP1 in the Deployment Resources area at http://www.microsoft.com/office/livecomm/.

Note   When automatic configuration is selected, Messenger for Mac uses the TLS protocol. The TCP protocol might appear selected, but Messenger for Mac is actually using the TLS protocol. If TLS is unavailable, Messenger for Mac uses the TCP protocol.

To manually configure a connection to the Live Communications Server

1. On the **Messenger** menu, click **Preferences**, click **Accounts**, and then click the **Corporate** tab.

2. Under **My Network Settings**, click **Manually configure settings**.

3. Type the IP address or the fully qualified domain name of the Live Communications Server.

4. Select **TCP** or **TLS**, and then click **OK**.

Removing Messenger for Mac

If you must remove Microsoft Messenger for Mac from a computer, complete the following steps:

1. Delete the Messenger for Mac program file from the computer.

2. Delete the following Messenger Preference files from the Users/UserName/Library/Preferences/Microsoft folder:

   - com.microsoft.AlertsDaemon.plist

   - com.microsoft.Messenger.plist

   - com.microsoft.MessengerDaemon.plist

   - Microsoft Messenger User Cache

3. Delete the following folders from the Users/UserName/Documents/Microsoft User Data folder:

   - Messenger Corporate Data and Microsoft Messenger Data

   - Messenger Corporate History and MSN Messenger History

Integration with Microsoft Office for Mac

Users can interact with Messenger for Mac from the Project Center in Microsoft Entourage and by using the reviewing toolbar in Microsoft Word for Mac.

Entourage Address Book

You can add a contact to your Office Address Book in Entourage.

1. In either your personal or corporate account, click **Add**.

2. In the **Add a Contact** dialog box, type the e-mail address for the contact you are adding.

3. Select the **Add this contact to the Office Address Book** check box, and then click **Finish**.

Entourage Project Center

You can save a conversation as a note in an Entourage project. Entourage must be running, and the project must exist. For more information about how to use Project Center with Entourage, see Entourage Help.

To save a conversation as a note in Entourage project

1. In the conversation window, click **Save**.

2. Select the **Save as a note in my Entourage project** check box.

3. In the **Save as** box, type the name of the file, and then on the **Project** pop-up menu, select the name of the project where you want to save the conversation.

   The file name of the conversation is listed on the **Notes** tab for the project.

To add contacts to a Messenger for Mac project group

1. In the Project Center, click the project name in the list, and then click the **Contacts** tab. You must have contacts in your project before you add contacts to a project group.

2. Click **MSN Messenger**, and then click **Sign in**.

3. Sign in to Messenger for Mac as you ordinarily would, and then click MSN Messenger on the Project Center **Contacts** tab.

4. Click **Create MSN Messenger Group**, and then locate your new project group name in the list of groups in Messenger for Mac.

5. In Messenger for Mac, drag a contact to the project group.

Note To remove an MSN Messenger group, click **MSN Messenger**, and then click **Remove MSN Messenger Group**.

Word reviewing toolbar

You can use Messenger for Mac directly from the Reviewing toolbar in Word to send a document to your reviewers and send an instant message.

To send a document out for review directly from Word

1. Open the document that you want to send for review.

2. On the **Reviewing** toolbar, click **Send Instant Message**, point to **Send for Review**, and then click the name of the person you want to send the document to. If the person does not appear on the list, click **Other**, and then type the person's e-mail or instant messaging address.

Note If you sign in to both your personal and corporate account, and then sign out of either account after you start Word, the **Send Instant Message** options on the **Reviewing** toolbar are unavailable. In this case, the options become available after you sign in to the account again.

To send an instant message directly from Microsoft Word

- On the **Reviewing** toolbar, click **Send Instant Message**, point to **Send Instant Message**, and then click the name of the person you want to send a message to.

Tip If the document you are reviewing contains comments from a person on your contact list, click the **Messenger for Mac** icon in the comment balloon to send an instant message directly to that person.

Reference

This section provides additional information about how to configure and use Messenger for Mac in a corporate setting.

Disabling message archiving

You can use the DisallowSave setting in com.microsoft.Messenger.plist to prevent users from saving conversations in Messenger for Mac. The default setting for DisallowSave is **NO**. You cannot use Messenger for Mac to change this setting; it must be set directly in com.microsoft.Messenger.plist. With DisallowSave set to **YES**, the following changes occur in the UI of Messenger for Mac:

- The **Save** button in the Conversation window is unavailable.

- The **Save** and **Save as Web Page** menu items are unavailable.

- The **Corporate** and **Personal** panels on the **History** tab in Preferences are unavailable.

Note To make sure that users do not save conversations in Messenger for Mac, lock the DisallowSave setting in com.microsoft.Messenger.plist after you set **YES**, and prevent users from removing this file from their Macintosh computers.

Connecting to Live Communications Server through a firewall

Messenger for Mac users behind a private firewall must establish a connection to a Live Communications Server through a range of ports. You specify the range of ports in a Messenger for Mac preferences file and in the firewall settings for the Macintosh client.

Note Users behind a private firewall cannot use a proxy server to connect to a Live Communications Server. Users can connect to their corporate network by using Internet Connect to connect to a virtual private network (VPN) on an existing Internet connection. For information about how to use Internet Connect, see Apple Help.

To set the range of ports for Messenger for Mac

1. In TextEdit, open **com.microsoft.MessengerDaemon.plist**.

2. To restrict SIP port usage to a list of ports, set **PortRangeEnabled** to 1.

3. Set **PortRangeMinSIPDynamicPort** to the lowest port number in the range of ports to use for communicating with Live Communications Server.

4. Set **PortRangeMaxSIPDynamicPort** to the highest port number in the range of ports to use for communicating with Live Communications Server. The minimum number of ports required in the range is 3.

Note Make sure that the ports you specify are not used by another application.

To set the range of ports in the firewall

1. Open **Apple System Preferences**, and then click **Sharing**.

2. Click **Firewall**, and then click **New**.

3. On the **Port Name** pop-up menu, click **Other**.

4. In the **Port Number, Range or Series** box, specify the range of TCP ports.

   This is the range of ports specified in com.microsoft.MessengerDaemon.plist for Messenger for Mac to use to receive networking traffic from Live Communications Server.

5. In the **Description** box, type a description for the range of ports, and then click **OK**.

6. In the **Allow** list, make sure that the check box for the added ports is selected.

Using Kerberos for Macintosh

Kerberos for Macintosh can authenticate a Messenger for Mac client against Windows Active Directory, with Active Directory acting as a Kerberos domain controller.

To enable the Kerberos logon for a Messenger for Mac client

1. To add the Macintosh computer to the Active Directory network, use Kerberos for Macintosh.

   This procedure differs from network to network, and from Apple OS X Panther to Apple OS X Tiger. For more information about Kerberos for Mac, see the Apple Web site or the Apple Developer Web site and search for "Kerberos".

2. In the Messenger for Mac preference file com.microsoft.MessengerDaemon.plist, change the EnableKerberosLogin setting to "true".

   This preference file is stored in a user's Library/Preferences/Microsoft folder. You can also change this setting by typing one of the following commands in Terminal:

   - To enable Kerberos logon, type **defaults write Microsoft/com.microsoft.MessengerDaemon EnableKerberosLogin -bool true**

   - To disable Kerberos logon, type **defaults write Microsoft/com.microsoft.MessengerDaemon EnableKerberosLogin -bool false**

With Kerberos enabled on both a Messenger for Mac client and the Live Communications Server, a Kerberos logon is attempted. If Kerberos is not enabled on either the client or server, an NTLM logon is used. If Kerberos is enabled on both the client and server Kerberos, and the Kerberos authentication fails, an NTLM logon is not attempted. If a user cannot successfully log on by using Kerberos, Kerberos must be disabled before NTLM can be used to log on.

Note   When the user logs on by using Kerberos for Mac and signs in to Messenger for Mac, the user must type a fully qualified name in the **User ID** box, such as someone@testserver.headquarters.corp.adatum.com.

Messenger for Mac preferences

Preference settings for Messenger for Mac are stored in the following files in a user's Library/Preferences/Microsoft folder:

- The file **com.microsoft.Messenger.plist** contains all user interface preferences for Messenger for Mac.

- The file **com.microsoft.MessengerDaemon.plist** contains network preferences and all other preferences for Messenger for Mac.

Preferences that cannot be set in the Preferences dialog box in Messenger for Mac can be set by editing a preference file. Some of the settings in these preference files are not currently used.

The following settings are saved in com.microsoft.MessengerDaemon.plist:

Setting	Value	Description
AutoConfigProxy	(bool) Default = true	Read proxy settings from Apple System Preferences
AutoIdleDelay	(integer)	Minutes before setting status to away (the default is "5")
CachedNSServer	(string)	Cached Messenger server for personal account
DABase	(string)	Passport base domain authority
DADomain	(string)	Passport domain authority
DefaultNSServer	(string)	Default server address for personal account
DisableMachineCredentials	(integer)	Does not apply to Messenger for Mac
DisableStrictDNSNaming	(integer)	Do not force strict DNS naming for servers that are automatically detected for the corporate account; if forced, detected server's name must start with "sip"
DontAutoIdle	(bool) Default = true	Do not automatically set status to away
EnableKerberosLogin	(bool) Default = false	Use Kerberos to authenticate for corporate account
EnableSIPHighSecurityMode	(integer)	Does not apply to Messenger for Mac
GatewayServer	(string)	HTTP gateway server for personal account
HKLMMaxBitRate	(integer)	Not applicable for Messenger for Mac
HTTPProxyPort	(integer)	Port for HTTP proxy server
HTTPProxyServer	(string)	Server address for HTTP proxy
NETSignInStatus	(integer)	Sign in status for personal account
NMCallSecurity	(integer)	Does not apply to Messenger for Mac
NMPreferSecurity	(integer)	Does not apply to Messenger for Mac
NMRequireSecurity	(integer)	Does not apply to Messenger for Mac

Setting	Value	Description
PassportServer	(string)	Default Passport Server address
PortRangeMaxMediaPort	(integer)	Does not currently apply to Messenger for Mac
PortRangeMaxSIPDynamicPort	(integer)	Maximum port number that is used by Live Communications Server to connect back to Messenger for Mac when port range is enabled
PortRangeMinMediaPort	(integer)	Does not currently apply to Messenger for Mac
PortRangeMinSIPDynamicPort	(integer)	Minimum port number that is used by Live Communications Server to connect back to Messenger for Mac when port range is enabled
PreferredMediaTypes	(integer)	Does not apply to Messenger for Mac
PortRangeEnabled	(integer)	Restrict Live Communications Server to connect back to Messenger for Mac using a range of ports instead of a random port
PromptForPassportOnWeb	(bool) Default = false	Have the user enter credentials again when the user accesses Hotmail mailbox from a Messenger for Mac link
ProxyServerType	(integer)	Type of proxy used (for personal accounts): 1: SOCKS 4 2: SOCKS 5 3: HTTP Proxy
RTCConfigurationMode	(integer)	Corporate account automatic server detection or manual set up: "1" for manual, "-1" for automatic; other values are treated as automatic
RTCServerAddress	(string)	Server address for corporate account manual setup
RTCTransport	(integer)	Transport protocol that is used for corporate account: "4" for TLS, "2" for TCP

Setting	Value	Description
SIPSignInStatus	(integer)	Sign-in status for corporate account
SOCKS4ProxyPort	(integer)	Port to use for SOCKS 4 proxy
SOCKS4ProxyServer	(string)	Server to use for SOCKS 4 proxy
SOCKS5HavePassword	(bool) Default = false	If there is a password for the SOCKS 5 proxy
SOCKS5ProxyPort	(integer)	Port to use for SOCKS 5 proxy
SOCKS5ProxyServer	(string)	Server to use for SOCKS 5 proxy
SOCKS5Username	(string)	The user name to use for SOCKS 5 proxy
SaveNETPassword	(bool) Default = true	Save the password for personal account
SaveSIPPassword	(bool) Default = true	Save the password for corporate account
SignInAsHidden	(bool) Default = false	Preference item for MSN Messenger 4.0 for Mac, used only to initialize Messenger for Mac 5.0 or later preferences, not used in other cases
Tuned	(integer)	Does not currently apply to Messenger for Mac
UseProxyServer	(bool) Default = true	Use a proxy server
UserDomain	(string)	Passport domain the personal account belongs to
UserLogonName	(string)	User ID for corporate account sign in
UserPassportID	(string)	User name for personal account logon
UserSIPID	(string)	User name for corporate account logon

The following settings are saved in com.microsoft.Messenger.plist:

Setting	Value	Description
AddContactLocation	(string)	Last location of the upper-left corner of the add contact dialog box, in "left, top" format
AvailableOnFullScreen	(bool)	Set status to busy when other applications are in full-screen mode
BounceOnlyOnce	(bool)	Bounce icon in Dock one time or continuously when an instant message arrives
ContactOnlineSound	(string)	Name of the sound to be played when a contact goes online
ContactWindowLocation	(string)	Last location of the upper-left corner of the contact list window, in "left, top" format
ContactWindowSize	(string)	Last size of the contact list window, in "width, height" format
CountryCode	(integer)	The two-character code used to identify the international calling code; use the default code, "US"
CurrentService	(integer)	Front service tab in the contact list window, "0" for .NET and "1" for SIP
DisallowSave	(bool)	Disable message arching (set to YES to prevent users from saving conversations).
DoNotRunMessengerOnStartup	(bool)	Do not run Messenger for Mac when computer starts
DoNotShowArchivePrefChangedAlert	(bool)	Do not show the message archive options changed alert again
DoNotShowBlockAlert	(bool)	Do not show the user blocked message again
DoNotShowCloseContactListAlert	(bool)	Do not show the contact list window closed message again

Setting	Value	Description
DoNotShowDropOutOfIMAlert	(bool)	Do not show the user leaving instant message conversation message again
DoNotShowOpenFileAlert	(bool)	Do not show the launch hyperlink message again
DoNotShowUnblockAlert	(bool)	Do not show the user unblocked message again
DoNotShowVirusAlert	(bool)	Do not show the file transfer virus message again
DontBounceDockIcon	(bool)	Do not bounce icon in Dock at all when an instant message arrives
FileSaveLocIsNetShare	(bool)	The file transfer save location is a network share
FileTransferPath	(string)	The full path of the location where the received file is to be saved
GlobalStatusSync	(bool)	Synchronize the user status between personal account and corporate account (the default is "yes")
GroupOfflineTogether	(bool)	Group offline contacts together in the contact list for personal account
GroupOfflineTogetherSIP	(bool)	Group offline contacts together in the contact list for corporate account
GroupsViewEverUsed	(bool)	Has user ever viewed the contact list in groups view
HideContactOnlineToasts	(bool)	Do not show message when a contact comes online
HideCustomEmoticons	(bool)	Do not show custom emoticons
HideDisplayPictureDrawer	(bool)	Do not open the user tile drawer off of the instant message window when a new instant message window is opened
HideEmailAlerts	(bool)	Do not show message when a new e-mail is received

Setting	Value	Description
HideEmoticons	(bool)	Show emoticons as text when received in instant message window
HideInlineDisplayPictures	(bool)	Do not show inline user pictures in instant message window
HideInternetAlerts	(bool)	Do not show message new instant message is received when an instant message/history window is in front, Messenger is not front-most application, or the current instant message window is minimized
HideTimeStamp	(bool)	Do not show time stamps for instant messages sent and received
InstantMessageTextStyles	(data)	Current instant message styles used, in custom defined format, stored as raw data
InstantMessageWindowLocation	(string)	Last location of the upper-left corner of the instant message window, in "left, top" format
InstantMessageWindowSize	(string)	Last size of the instant message window, in "width, height" format
MSNSignInMRU01 - MSNSignInMRU05	(string)	The five most recent e-mail addresses used when the user tries to sign in to personal account
NewAlertSound	(string)	Name of the sound to be played when a message is shown
NewMailSound	(string)	Name of the sound to be played when an e-mail message is received
NewMessageSound	(string)	Name of the sound to be played when an instant message is received
NewVersionInfoURL	(string)	URL to a newer version when user chooses to postpone installing it
NextNewVersionNotifyTime	(integer)	The time until the user is next reminded of installing the newer version, in

Setting	Value	Description
		seconds
OfflineCollapsedSIP	(bool)	Offline group is collapsed for corporate account
OfflineCollapses	(bool)	Offline group is collapsed for personal account
OnlineCollapsed	(bool)	Online group is collapsed for corporate account
OnlineCollapsedSIP	(bool)	Online group is collapsed for personal account
PreferencesDialogLocation	(string)	Last location of the upper-left corner of the preferences dialog box, in "left, top" format
PreferencesTabValue	(integer)	The active preferences tab, starting from 0 as the leftmost tab
SIPSignInMRU01 - SIPSignInMRU05	(string)	The five most recent e-mail addresses used to try to sign in to SIP service
SendOtherLocation	(string)	Last location of the upper-left corner of the send other dialog box, in "left, top" format
ShowGroups	(bool)	Show contacts in groups view for personal account
ShowGroupsSIP	(bool)	Show contacts in groups view for corporate account
ShowMessagePreview	(bool)	Not used
SignInDialogLocation	(string)	Last location of the upper-left corner of the sign in dialog box, in "left, top" format
SuppressContactSounds	(bool)	Do not play sounds for any notifications
UserHasRunMessenger51	(bool)	User has run Messenger for Mac 5.1 or later