



MindLink – Version 18.4

Release Notes

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MindLink Product Suite 18.4

1.1 Introduction

The latest version of the MindLink offers new features, bug fixes and improvements on the previous, giving you an enriched UC experience with Microsoft Lync, Skype for Business, Skype for Business Online and notably the Persistent Chat feature.

1.2 Client-side Requirements

1.2.1 [MindLink Desktop \(v3\) – MLD](#)

MindLink Desktop (v3) supports the following browsers:

- IE10, IE11, Edge, FireFox, Chrome, Safari on Mac, Safari on iOS Tablets (for iOS 10.3 and above)

MindLink Desktop (v3) supports the following chat systems:

- Lync 2010, Lync 2013, Skype for Business 2015, Skype for Business Online

1.2.2 [MindLink API](#)

MindLink API supports the following chat systems:

- Lync 2010, Lync 2013, Skype for Business 2015

1.2.3 [MindLink Mobile - MLM](#)

MindLink Mobile supports the following operating systems:

iOS Devices

- iOS 10.3 and above on iPhone, iPad and iPod touch devices

Android Devices

- Android OS version 6.0 and above

MindLink Mobile supports the following chat systems:

- Lync 2010, Lync 2013, Skype for Business 2015, Skype for Business Online

1.3 Server-side requirements

1.3.1 MindLink Desktop (v3) – MLD

The minimum system requirements are:

- Microsoft Windows Server 2008 SP2, 2008 R2, or 2012 SP2, 2012 R2, 2016 (all 64-bit)
- Microsoft .Net Framework 3.5
- Microsoft .NET Framework 4.7.2
- C++ redistributable installation binary (2012 version - for Lync 2013 only)
- C++ redistributable installation binary (2013 version - for Skype for Business 2015 only)
- Microsoft Office 365 Tenancy (Skype for Business Online only)
- Compatibility with Microsoft UCMA 2.0 and GroupChat SDK
- Open the following (default) ports: 4097 and 9007

The minimum hardware requirements are:

- Dual or Quad core, 64-bit CPU (minimum 2.4 GHz)
- Gigabit Ethernet connection
- 4GB RAM
- 1Gb disk space (80Mb for installation of binaries and up to 1Gb for Preferences to support over 1000 users)

Additional space for log files (minimum 100 MB)

Certificate requirements:

- Token Issuing Certificate (Web Authentication): minimum, a 2048-bit key strength
- Security
- Platform

1.3.2 MindLink API

The minimum system requirements are:

- Microsoft .Net Framework 3.5
- Microsoft .Net Framework 4.7.2
- C++ redistributable installation binary (2012 version - for Lync 2013 only)
- C++ redistributable installation binary (2013 version - for Skype for Business 2015 only)
- Microsoft Windows Server 2008 SP2, 2008 R2, or 2012, 2016 (all 64-bit)
- 500MB Disk Space for Data and Log files
- Open the following (default) ports: 4096 and 9006

The minimum hardware requirements are:

- Dual or Quad core, 64-bit CPU (Minimum 2.4GHz)
- 4GB RAM
- Gigabit Ethernet connection

80MB Disk Space for installation of binaries

1.3.3 MindLink Mobile – MLM

The minimum system requirements for MindLink Mobile are:

- Microsoft Windows Server 2008 R2, or 2012, 2012 R2, 2016 (all 64-bit)
- Microsoft .Net Framework 3.5
- Microsoft .NET Framework 4.7.2
- C++ redistributable installation binary (2012 version - for Lync 2013 only)
- C++ redistributable installation binary (2013 version - for Skype for Business 2015 only)
- Microsoft Office 365 Tenancy (Skype for Business Online only)
- Microsoft SQL Server 2008 R2 or above (required for high availability deployments)
- Open the following (default) ports: 4099 and 9009
- TLS 1.2 Security Protocol must be enabled on the server o To run clients on iOS 9+ devices against the server securely

The minimum hardware requirements are:

- Dual or Quad core, 64-bit CPU (Minimum 2.4GHz)
- 4GB RAM
- Gigabit Ethernet connection
- 60MB Disk Space for installation of binaries
- Additional Disk Space may be required for storing log files, minimum of 100MB
- Optional SSL Certificate installed for secure communication

Certificate requirements:

- Socket Server
- Host Identification Web Service
- Session Web Services
- Platform
- APNS: Provided by MindLink
- Must meet ATS requirements for iOS device connections
 - o All certificates, except the Platform certificate, require a minimum 2048-bit key strength.

1.4 New Features

Iteration 18.4 provides the following new features:

MindLink API

Sending/Receiving rich message content parts in API:

Bots have previously been able to send and receive rich message parts (e.g. hyperlinks) using the API, though this has been via a convoluted and largely undocumented mechanism. This has been brought into a first-class supported mechanism to make it easier to send rich message parts. This resembles part of the work to build a better bot ecosystem.

MindLink Desktop (Web)

Option to turn off unread count ordering in the Desktop Dock:

The dock in the desktop app puts unread conversations at the top of the list. Users will be able to turn this feature off, so that unread conversations show in their natural place. Similar to the "order by most recent message" setting - An additional checkbox has been added in the global settings menu.

Options to show profile pictures inline in Desktop:

Currently profile pictures are shown in the conversation header and user info screen. Profile pictures can now also, optionally, be shown in the dock and in the conversation history. User preference settings have been added to control each of these individually.

MindLink Mobile

Improved message composition experience in mobile:

Improvements have been made to the message input typing experience in MindLink |Mobile. This addresses the typing/autocomplete/autocorrection issues in Android in particular. The message input components have been rewritten from scratch to deliver this, and this will cascade to desktop to fix several IE/Edge issues in due course.

Other

Add-in client published as public package:

Having already offered a JavaScript library with which customers can write add-ins. Which was has previously been delivered ad-hoc without proper documentation or release processes. This has been brought up-to-date with modern JS development by publishing the library as an NPM package. Part of our work to build a better bot ecosystem

1.5 Improvements

The following improvements have been made in this version of the MindLink Product Suite.

ID	Details	Product
FCF-7220	Add performance counters for UCMA multiparty operations	MindLink API, MindLink Desktop, MindLink Mobile
FCF-7216	Add day break headers to MLM	MindLink Mobile
FCF-7215	MobileIron Client - When logging to file is disabled in the console the send logs button shows and does nothing	MindLink Mobile
FCF-7206	Exception is thrown when opening a multiparty conversation with unread messages	MindLink Mobile
FCF-7202	MLM Good/BlackBerry XML needs to have an updated label or behaviour for logon name configuration	MindLink Mobile
FCF-7189	Open addin button appears disabled	MindLink Mobile
FCF-7180	Upgrade android good/bbd sdk to 4.x	MindLink Mobile
FCF-7162	Serialise file ID to also contain file name when uploading to file transfer repository	MindLink API, MindLink Desktop, MindLink Mobile
FCF-7154	The Foundation API should support sending and receiving JSON message parts	MindLink API
FCF-7109	Persistent connection monitor and session reactivation should handle synchronous response failures	MindLink API, MindLink Desktop, MindLink Mobile
FCF-6936	Support caching of web assets	MindLink Desktop
FCF-6870	consistency for ... menu interaction	MindLink Mobile
FCF-6847	Add double-tap to scroll to top on the dock	MindLink Mobile
FCF-6786	Livestream becomes inaccessible after collapsing it	MindLink Mobile
FCF-6249	Replace the arrow with the presence icon's	MindLink Mobile
FCF-6206	Too much space between title and the bin icon	MindLink Mobile
FCF-5965	Logon screen presence icons aren't circular	MindLink Mobile
FCF-5774	Make total unread count displayed in red	MindLink Desktop
FCF-4182	About button is featured too often	MindLink Mobile

1.6 Dropped Features

With this release (version 18.4) of the MindLink product suite no features have been dropped.

1.7 Breaking changes

With this release (version 18.4) of the MindLink product suite there were no breaking changes.

1.8 Known issues, limitations, restrictions

Below is a table of known issues, limitations and restrictions affecting the current version (18.4) of the MindLink product suite.

ID	Details	Product
FCF-7291	Collapse/expand buttons for livestream & members aren't aligned in web	MindLink Desktop
FCF-7190	Sending partial characters does not cause the message to fail to send	MindLink Mobile
FCF-7167	Sentence case uniformity in MLM	MindLink Mobile
FCF-7141	Personal Hotspot pushes down app navigation buttons	MindLink Mobile
FCF-6996	Next and back button appeared on the conversation screen after clicking the cancel button	MindLink Mobile
FCF-6978	The cursor resets at the beginning after entering a url link	MindLink Desktop
FCF-6908	Swipe to reveal does not monitor composability properly	MindLink Mobile
FCF-6754	Contact Group Services provider does not handle full notifications correctly	MindLink API, MindLink Desktop, MindLink Mobile
FCF-6752	Concurrent connections result in session termination	SfBO Connector
FCF-6719	All UCWA sessions get disconnected simultaneously	SfBO Connector
FCF-6235	Credentials invalid should not be a retryable state	MindLink Desktop
FCF-6199	IE10 After sending a pasted message the text remain at the message input	MindLink Desktop
FCF-6161	Dragging and dropping text has non-standard behavior	MindLink Desktop
FCF-5916	[Firefox] Default drag and drop on message input interferes with custom plugin	MindLink Desktop
FCF-5842	Autocorrect highlight remains.	MindLink Mobile
FCF-5708	Arabic text wraps differently in the input compared to conversation view	MindLink Desktop
FCF-5690	Livestream 'Message failed! will not show unless message viewed.	MindLink Mobile

FCF-5584	Accessing quick reply when the hashtags list is open does not open the keyboard.	MindLink Mobile
FCF-5033	User's sip address is shown as the display name when the user has reached max followers	MindLink API, MindLink Desktop, MindLink Mobile
FCF-4898	ContactRemovedEvent is raised when contacts are removed by local endpoint	MindLink API, MindLink Desktop, MindLink Mobile
FCF-4876	Livestream does not always sync with favorites	MindLink API, MindLink Desktop, MindLink Mobile
FCF-4013	Composing a link for tel: or mailto: in MLM prepends http://	MindLink Mobile
FCF-3575	The emoticon parser is unacceptably slow	MindLink API, MindLink Desktop, MindLink Mobile
FCF-3506	Add-ins treat persisted history messages as newly received messages	MindLink Mobile
FCF-3326	Messages with newlines are not matched correctly	MindLink API, MindLink Desktop, MindLink Mobile
FCF-3293	Resuming a session shows failed messages as successfully sent	MindLink Mobile
FCF-2939	GC/PCSDK Message Part parser is a bottleneck	MindLink API, MindLink Desktop, MindLink Mobile
FCF-2708	Uninstalling via the UI does not respect the "Remove orphaned files" checkbox when prompted for elevated privileges	MindLink (Product Installers)

1.9 Bug Fixes

The following bugs were fixed in this version (18.4) of the MindLink product suite.

ID	Details	Product
FCF-7222	Inconsistent alignment and margins for user info panels	MindLink Desktop
FCF-7219	Cannot start API service with IM disabled if AD tab hasn't been configured at least once	MindLink API
FCF-7207	Line breaks not formatted on receiving endpoint	MindLink Mobile
FCF-7205	Paste button shows but does not paste MLM	MindLink Mobile
FCF-7204	Multiparty participant list should flush when inviting additional members	MindLink Mobile
FCF-7203	Pasting takes long, 10 seconds before content is pasted	MindLink Mobile
FCF-7200	Japanese localisation issues summary	MindLink Mobile
FCF-7191	Inconsistent change presence menu	MindLink Mobile
FCF-7188	Initialisation page shows scroll bar, buttons are offset	MindLink Mobile
FCF-7186	Blue dock node doesn't show snippet on incoming messages	MindLink Desktop
FCF-7161	Quick reply is not auto-focusing the input	MindLink Mobile
FCF-7116	Typing Issue on MLM for Android	MindLink Mobile
FCF-7024	Invalid credentials' error is cut off when Options menu is open	MindLink Mobile
FCF-6436	Keyboard doesn't persist when toggling Alert	MindLink Mobile
FCF-5954	Overlap if a chatroom or a contact has a long name	MindLink Mobile
FCF-5147	Input field appends current message to previously sent message	MindLink Mobile
FCF-3942	Selecting presence from logon screen - Android v5	MindLink Mobile
FCF-7198	Sync desktop preferences to mobile shows sip:address for contacts and blanks for groups	MindLink Mobile

1.10 Reference Documents

For more information/documentation regarding the MindLink Product Suite, please visit:

<http://wiki.mindlinksoft.com>