

## OPENXTALK LITE .9 RELEASE NOTES

### Overview

- o Access to libraries and platform APIs written in many other languages.
- o Improved Builder virtual machine.
- o New "Spinner" widget.
- o OAuth2 authentication library for use with web APIs (e.g. Facebook, Google and GitHub).
- o Command argument parser library for building command-line standalones.
- o Updates and performance improvements for existing widgets.
- o Debranding for open source.

----

### Known Issues

- o The installer will fail if run from a network share on Windows. Copy the installer to a local disk before launching on Windows.
- o The browser widget does not work on Linux 32-bit.
- o Mac OSX 64-bit standalones do not support audio recording.

----

### Platform Support

Windows: 7-11

Mac: 10.9-11

Linux: Ubuntu 14.04 & 16.04, Fedora 23 & 24, Debian 7 & 8. GUI functionality requirements = Firefox and Chrome.

----

### Installation

Each version can be installed to its own separate folder. This allow multiple versions to be installed side-by-side. On Windows and Linux, each version has its own Start Menu entry. On Mac OS X, each version has its own app bundle.

- o Mac OS X: Install by mounting the .dmg file and dragging the app bundle to the Applications folder (or suitable location).
- o Windows & Linux: Install with automated Installer.

### Removal

- o Mac OS X: Drag the app bundle to the Trash.
- o Windows & Linux: Search "control panel" > programs > uninstall.

----

### Engine Changes

- o The Standalone Builder now includes a checkbox that adds support for App Tracking Transparency. This is a requirement if your app collects user data that is shared among apps or websites. Moreover, a text field is added, where you can provide the usage description string, i.e. the dialog text that will be presented to the user letting them know that their data will be shared.

----

### Engine Bug Fixes

- 23038 Fix some images rendering as black in recent macOS versions.
- 14944 Fix text errors in the XML section of the User Guide.
- 16296 Fix crash on Android when restarting the location tracker.
- 16745 Fix \$\_POST\_RAW on Windows not being set for large uploads.
- 21615 Add HiDPI scaling support to HTML5 engine.
- 21906 Fix blank image created when pasting image data from some apps on Windows.
- 21982 Ensure the printerSettings always return the user's choice.
- 22365 Fix black screen on Android when navigating between cards with acceleratedRendering enabled.
- 22791 Fix codesigning error saving Mac standalone app when the app name contains accented characters.
- 22868 Ensure format() function recognizes a negative format length
- 22990 Fix crash in HTML5 standalones when loading certain custom TTF font files
- 23015 Fix text display issue with audioClip.
- 23016 Fix 'fontNames' always returning empty in HTML5 standalones.

23030 Enable WebRTC on CEF browser.  
23044 Fix crash when deleting the current card of a stack within its closeStack handler.  
23050 Update SQLite to version 3.34.0.  
23055 Allow seek command to reset "eof" result after read command reaches the end of a file on macOS.  
23067 Add page reload note to browser URL docs.  
23068 Update release notes for running on Windows.  
23074 Add holderVariable note to revDatabaseColumnName docs.  
23089 Fix Browser Widget being resized to fit group instead of being clipped.  
23094 Ensure android native layer rects are updated when their parent view is resized.  
23096 Fix a significant delay when using AppleScript to target some Applications when running on M1 architecture macs.  
23098 Native layers now relay correctly in response to the relayer command.  
23100 Fix rendering of mobile player when acceleratedRendering is true.  
23104 Ensure player's native layer rectangle does not change when stack is resized.  
23126 Mark revVideoGrabber dictionary entries as deprecated.  
23150 Ensure urlWakeUp message is sent when LSSupportsOpeningDocumentsInPlace is set to true in Info.plist.  
23160 Correct code example in the revXMLEvaluateXPath entry.  
23166 Fix memory leak when parsing visual effect command arguments.  
23167 Fix memory leak when using arrayEncode with encodeVersion less than 7.0.  
23168 Fix memory leak when rendering gradients where the quality is set to "good".  
23208 Ensure new stacks always open in new windows on macOS.  
23212 Ensure mobileExportImageToAlbum works on Android 7+ devices.  
23220 Ensure clicking in an image rect in pointer mode does not send mouseRelease instead of a mouseUp message.  
23232 Correct code example in documentation for replace.  
23240 Fix IDE lockup when an execution error occurs in a modal stack.  
23247 Remove all references to HTML5 from the post entry.

----

### IDE Bug Fixes

22300 Fix right-clicking on the Project Browser object list selects the correct row.  
22400 Add support for unblocking http requests on Android browser.  
22979 Add dgRectOfIndex and dgRectOfLine to DataGrid documentation.  
23202 Add missing property dgLineOfIndex to documentation.  
23219 Extension Builder: enable display of defaultScript and userguide.  
23221 Enable show names in svgIconPicker when used in Properties Inspector.  
22808 Use default browser instead of browser widget to show the OAuth2 dialog on Linux.  
23056 Prevent error when values hidden and moving over right side of widget.  
23061 Show name of chosen icon when opening the icon picker.  
23223 Add name of SVG Icon to Properties Inspector.

001 Enhance and debrand User Guide, Data Grid Guide, Release Notes, About, Preferences, Tutorial stacks, Menus, and Dictionary database.  
002 Add App Browser, Quick Dictionary, and Report Builder stacks to plugins.  
003 Enhance Menu Builder, Answer Dialog, and Ask Dialog stacks.  
004 Filter unnecessary font names.  
005 Add Text > Color > "Yellow Hilite" menuitem.  
006 Add Object > "Place Group On Card" and Object > "Remove Group From Card" menuitems.  
007 Lighten Message Box blue hilite color in single-line and multi-line modes.  
008 Add widget "Pie Chart".  
009 Fix App Browser plugin to show IDE stacks (old revApplicationOverview).  
010 Fix Player object's default fileName to empty, so "Sample" video (LC Logo) can be removed.  
011 Shorten menubar to hide "Upgrade" in Toolbar Icons and Toolbar Text, and reorder those menuitems.  
012 Add nine tutorial stacks.  
013 Add btn "Clear Msg Box History" and minor alignment of objects to Preferences.

----

## Bug Report

Make a bug report or feature request in the forum's "OpenXTalk Planning" section at <https://www.openxtalk.org/forum>.

----

## Boolean Constants

In this release, boolean constants true and false have been changed so that they resolve to values of boolean type (rather than string). This will affect any uses of the 'is strictly' operator on such values. Previously the following were true:

true is strictly a string --now false

false is strictly a string --now false

Now, they are both false, and the following are true:

true is strictly a boolean --now true

false is strictly a boolean --now true

Boolean constants passed as elements of arrays to LCB handlers will not require conversion to boolean values in LCB - in fact any attempt to do so assuming they are strings will cause an error. Any array elements which are intended to be booleans in LCB should be checked for their type before conversion. For example, any of the following could be done by an LCB library user:

put true into tArray["enabled"]

put "true" into tArray["enabled"]

put (tVar is not "enabled") into tArray["enabled"]

An LCB handler to which tArray is passed should do the following:

variable tEnabled as Boolean

if tArray["enabled"] is a boolean then

    put tAction["enabled"] into tEnabled

else

    put tAction["enabled"] parsed as boolean into tEnabled

end if

----

## Infinity Constant

The constant infinity has been added to the language in this release. As a result, the unquoted literal infinity is now reserved. Any existing uses of it should be quoted, as otherwise it will resolve to the floating point value representing infinity, rather than the string "infinity".

----

## Implicit Object

A number of LCB commands use an implicit object to provide context for their execution. Some of these commands also allow specifying an explicit object. These commands are:

o execute script

o send

o post

o image from file

o resolve file - new in this version

In previous releases execute script and image from file would use this card of the defaultStack as the implicit object even if called from a widget. The send and post commands, however, used this card of the defaultStack when in a library module handler and the host widget when in a widget module handler. This release changes execute script and image from file to also use the host widget as the implicit object. This means, for example, that image from file will resolve a relative file path relative to the stackFile the host widget is on rather than the stackFile of the defaultStack.

=====