Guide to What's Supported in LCFM Native Version 1.5 Beta 7

Version 1.5 of LCFM covers approximately *80% of the total FileMaker feature set*. These have been selected in priority order so the *most used features* are implemented.

That means that most straightforward solutions, and indeed many more complex ones, will now work in version 1.5. Please use this guide to see exactly what is supported and what is not.

Everything that is not implemented in version 1.5 will be implemented rapidly in subsequent versions. The only exception are those items listed under "not supported". We look forward to bringing out new versions rapidly.

If you see a feature you need that isn't present please talk to us about our assurance program for priority implementation.

Major Capabilities

You now require FileMaker 18, FileMaker 17 is no longer supported.

Version 1 supports deployment to Android, iOS and Mac. Windows and Linux will be added in a future version.

Version 1 includes support for data sync so your app can work online and offline. There are a number of sync configuration options included. We have added a number of new "Extended" script steps for granular control over your syncing options.

LCFM can now render almost the entire FileMaker feature set. Performance is acceptable on mid-range Android devices and entry-level iOS devices. A future version will implement accelerated rendering, further broadening the range of Android hardware that can be used and improving graphics performance on all devices.

Major feature support includes and is not limited to: layout rendering, portals, card windows, web viewer, JSON, insert from device including camera & barcode scanning, multi file solutions, signatures, local data storage support and much more. Read on for full details.

Even more extended script steps with access to LiveCode capabilities, graphics and the native OS are coming in future versions.

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User Interface Features Implemented in V1 – 98% Complete

Button
Button layout objects are implemented.

Button Bar
Button bar layout objects are implemented.

Button Bar Button
Button bar button layout objects are implemented.

Button Bar Popover Button
Button bar popover button layout objects are implemented.

Calendar Field
Calendar field layout objects are implemented. See limitations.

Check Box Field
Check Box field layout objects are implemented. See limitations.

Container Field
Container field layout objects are implemented.

The container field layout object supports GIF, JPEG, PNG and BMP format images.

The container field layout object supports MP3, MP4 and WAV audio and video formats.

The container field layout object supports PDF files, although currently only the first page is shown and they are not pannable.

The container field layout object supports general file content.

Edit Box Field
Edit field layout objects are implemented. See limitations.

Group Button
Group button layout objects are implemented. See limitations.

Image
Image layout objects are implemented.

Layouts
Layouts are implemented. See limitations.

Layout Parts

Layout parts are implemented.

Line

Line layout objects are implemented.

List Field

List field layout objects are implemented. See limitations.

Menu Field

Menu field layout objects are implemented. See limitations.

Oval

Oval layout objects are implemented.

Popover

Popover layout objects are implemented.

Popover Button

Popover button layout objects are implemented.

Portal

Portals are implemented. See limitations

Portal sort has been implemented

Portal Filter has been implemented

Radio Field

Radio field layout objects are implemented. See limitations.

Rectangle

Rectangle layout objects are implemented.

Rounded Rectangle

Rounded rectangle layout objects are implemented.

Slide Control

Slide control layout objects are implemented. See limitations.

Summary Fields

Summary fields are implemented. See limitations.

Tab Control

Tab control layout objects are implemented.

Text

Text layout objects are implemented.

Webviewer

Webviewer layout objects are implemented.

Custom url schemes are supported, and you can specify the schemes which should be handled at runtime when compiling a project. Only solution files compiled into the app can be used. Use either the `$` or `~` form of custom urls, and use the file name of the solution as provided to the compiler.

FileMaker Core Features Implemented – 90% Complete

Files and Multi File Solutions
Files and their basic commands and functions are implemented.

Each file in a compiled lcfm-native app corresponds to one solution file
that was included the lcfm-native project.

Files can reference other files, but the name used for the reference must
always be the leaf (without extension) name of the solution file included
in the app.

Each file can create multiple windows, and database access and script
execution works across files.

Find Request Query Operators
Most find request query operators are implemented.

The following operators are available:
- is empty: `=`
- is not empty: `*`
- is less than or equal: `<=<value>` or `,â§<value>`
- is greater than or equal: `>=<value>` or `,â•<value>`
- is less than: `<<value>`
- is greater than: `><value>`
- is equal to: `<value>` or `=<value>` or `==<value>` or `"<value>"` (when the
datatype is not text)
- is exactly: `==<value>` (when the datatype is text)
- contains word: `=<value>` (when the datatype is text)
- contains word beginning with: `<value>` (when the datatype is text)
‾ contains phrase beginning with: `"<value>"` (when the datatype is text)
‾

Find request criteria using `>`, `>=`, `,â•`, `<`, `<=` and `,â§` may have
spaces between the operator and value.

The exact match operator now works correctly when matching empty

Query criteria of the form `=<string>` now work correctly when the string
contains non-space word boundaries.
The find request criterion consisting of `=` alone now works correctly on
indexed fields.

JSON Implementation Details
JSON functionality is implemented. In order to perform the JSON functions the
JSON is decoded and then encoded which results in some interpretation of values
when re-encoding:

- Empty objects or arrays will be empty strings in the result.
- String values `"true"` and `"false"` will be evaluated as booleans and therefore will be `true` or `false` in the result. Where they are returned as scalar values they will be the numbers `0` and `1`.
- String value `"null"` will be evaluated as `null` and therefore will be `null` in the result. Where it is returned as a scalar value it will be an empty string or in the case of `JSONListValues` it will not be included in the list.
- String values that are decimal numbers will be numbers in the result.
- Objects that have sequential integer keys starting from 1 will be arrays in the result. For example `{ "1" : true, "2", false }` will be returned as `[ true, false ]`.

Tables, Fields and Relationships

Tables and fields are implemented. See limitations.

Table occurrences and relationships are implemented. See limitations.

Valuelists

Valuelists are implemented. See limitations.

Functions Implemented in V1 – 81% Complete

Aggregate

* Average

* Count

* Get (Repetition)

* Get (Summary)

* List

* Max

* Min

* StDev

* StDevP

* Sum

* Variance

* VarianceP

Container

* Base64Decode

* Base64Encode

* Base64EncodeRFC
* Get (Thumbnail)

* HexDecode

* HexEncode

* TextDecode

* TextEncode

Context

* Get (ActiveFieldContents)

* Get (ActiveFieldName)

* Get (ActiveFieldTableName)

* Get (ActiveLayoutObjectName)

* Get (ActivePortalRowNumber)

* Get (ActiveRecordNumber)

* Get (ActiveRepetitionNumber)

* Get (ActiveSelectionSize)

* Get (ActiveSelectionStart)

* Get (AllowAbortState)

* Get (ApplicationArchitecture)

* Get (CalculationRepetitionNumber)

* Get (CurrentDate)

* Get (CurrentHostTimestamp)

* Get (CurrentTime)

* Get (CurrentTimestamp)

* Get (CurrentTimeUTCMilliseconds)

* Get (DesktopPath)

* Get (DocumentsPath)

* Get (ErrorCaptureState)

* Get (FileName)

* Get (FilePath)

* Get (FileSize)

* Get (FoundCount)

* Get (HostIPAddress)

* Get (LastError)

* Get (LastExternalErrorDetail)

* Get (LastMessageChoice)

* Get (LayoutCount)

* Get (LayoutName)

* Get (LayoutNumber)

* Get (LayoutTableName)

* Get (LayoutViewState)

* Get (RecordID)

* Get (RecordModificationCount)

* Get (RecordNumber)

* Get (RecordOpenCount)

* Get (RecordOpenState)

* Get (RequestCount)

* Get (RequestOmitState)

* Get (ScreenHeight)

* Get (ScreenWidth)

* Get (ScriptName)

* Get (ScriptParameter)

* Get (ScriptResult)

* Get (SortState)

* Get(SystemAppearance)

* Get (SystemVersion)

* Get (TemporaryPath)

* Get (TotalRecordCount)

* Get (TriggerCurrentPanel)

* Get (TriggerTargetPanel)

* Get (UUID)

* Get(UserName)

* Get (WindowContentHeight)

* Get (WindowContentWidth)

* Get (WindowDesktopHeight)

* Get (WindowDesktopWidth)

* Get (WindowHeight)

* Get (WindowLeft)

* Get (WindowMode)

* Get (WindowName)

* Get (WindowTop)

* Get (WindowVisible)

* Get (WindowWidth)

Datetime

* Date

* Day

* DayName

* DayNameJ

* DayOfWeek

* DayOfYear

* Hour

* Minute

* Month

* MonthName

* MonthNameJ

* Seconds

* Time

* Timestamp

* WeekOfYear

* WeekOfYearFiscal

* Year

* YearName

Design

* DatabaseNames

* FieldType

* LayoutIDs

* LayoutNames

* LayoutObjectNames

* RelationInfo

* ScriptIDs

* ScriptNames

* TableIDs

* TableNames

* ValueListIDs

* ValueListItems

* ValueListNames

Logical

* EqualTo

* EvaluationError

* Get (AsBoolean)

* Get (AVPlayerAttribute)

* Get (Field)

* Get (FieldName)

* Get (NthRecord)

* GreaterThan

* GreaterThanOrEqualTo

* IsEmpty

* LessThan

* LessThanOrEqualTo

* Lookup

* Not

* NotEqualTo

* Self

* Xor

Number

* Abs

* Acos

* Add

* Asin

* Atan

* Ceiling

* Cos

* Degrees

* Div

* Divide

* Exp

* Floor

* FV

* Int

* Lg

* Ln

* Log

* Minus

* Mod

* Multiply

* NPV

* Pi

* Plus

* PMT

* Power

* PV

* Radians

* Random

* Round

* Sign

* Sin

* Sqrt

* Subtract

* Tan

* Truncate

Text

* Char

* Code

* Concatenate

* Exact

* Filter

* FilterValues

* Get (AsCSS)

* Get (AsDate)

* Get (AsNumber)

* Get (AsSVG)

* Get (AsText)

* Get (AsTime)

* Get (AsTimestamp)

* Get (AsURLEncoded)

* Get (Value)

* Left

* LeftValues

* LeftWords

* Length

* Lower

* Middle

* MiddleValues

* MiddleWords

* PatternCount

* Position

* Proper

* Quote

* Replace

* RGB

* Right

* RightValues

* RightWords

* SerialIncrement

* Substitute

* TextColor

* TextFont

* TextFontRemove

* TextFormatRemove

* TextSize

* TextSizeRemove

* TextStyleAdd

* TextStyleRemove

* Trim

* TrimAll

* Upper

* ValueCount

* WordCount

Container

Get (ContainerAttribute)

Partially Implemented. The following attributes can be used:

 - filename

 - barcodeText

 - barcodeType

CryptAuthCode

```
Implemented. See limitations.
```

CryptDigest

```
Implemented. See limitations.
```

Design

FieldComment
```
The `FieldComment` function is now implemented.
```

Get (NextSerialValue)
```
The `GetNextSerialValue` function is now implemented.
```

WindowNames

```
Implemented with differences. The list of window names for a given
file are in order of most recently opened or brought to the front. If no
file name is specified then the windows are grouped by file in the list.
```

Logical

Evaluate
```
Implemented with differences. If the expression string fails to
```

parse then the evaluation error will be set to 1200 (generic calculation error), rather than a more specific code.

ExecuteSQL

Partially implemented. Currently only queries of the following forms are supported:
- `SELECT <column> FROM <table>`
- `SELECT <column> FROM <table> WHERE <field-1> = ?`
- The column, table and field names must be single words and cannot be quoted.

The `ExecuteSQL` function is now able to perform the following forms of SQL queries:

- SELECT COUNT(*) FROM <table> WHERE <field-1>=? AND <field-2> IS NULL
- SELECT SUM(<column>) FROM <table> WHERE <field-1>=? AND <field-2> IS NULL
- SELECT COUNT(*) FROM <table> WHERE <field-1>=? AND <field-2> BETWEEN ? AND ?
- SELECT SUM(<column>) FROM <table> WHERE <field-1>=? AND <field-2> BETWEEN ? AND ?
- SELECT COUNT(*) FROM <table> WHERE <field-1>=? AND <field-2> BETWEEN '<date>' AND ?
- SELECT SUM(<column>) FROM <table> WHERE <field-1>=? AND <field-2> BETWEEN '<date>' AND ?
- SELECT COUNT(*) FROM <table> WHERE <field-1>=? AND <field-2> BETWEEN ? AND '<date>'
- SELECT SUM(<column>) FROM <table> WHERE <field-1>=? AND <field-2> BETWEEN ? AND '<date>'
- SELECT COUNT(*) FROM <table> WHERE <field-1>=? AND <field-2> BETWEEN '<date>' AND '<date>'
- SELECT SUM(<column>) FROM <table> WHERE <field-1>=? AND <field-2> BETWEEN '<date>' AND '<date>'

The ExecuteSQL function will now correctly execute queries that reference tables in other files.

Get (LayoutObjectAttribute)

Partially implemented. The following attributes can be used:

- objectType
- hasFocus
- isFrontPanel
- isFrontTabPanel
- isObjectHidden
- rotation
- width
- source
- height
- content
- enclosingObject

IsValid

Partially implemented. The ability to check whether a field's content matches its data-type is not yet implemented.

IsValidExpression

is now implemented

Mobile

Location

Partially implemented on mobile platforms only. Allowing users to cancel the location fetching process when Get(AllowAbortState) is true is yet to be implemented.

LocationValues

Partially implemented on mobile platforms only. Allowing users to cancel the location fetching process when Get(AllowAbortState) is true is yet to be implemented.

Text

JSONDeleteElement

Implemented with differences. See `JSON Implementation Details`

JSONFormatElements

Implemented with differences. See `JSON Implementation Details`

JSONGetElement

Implemented with differences. See `JSON Implementation Details`

JSONListKeys

Implemented with differences. See `JSON Implementation Details`

JSONListValues

Implemented with differences. See `JSON Implementation Details`

JSONSetElement

Implemented with differences. See `JSON Implementation Details`

Script Steps Implemented in V1 - 52% Implemented

Control

* Exit Script

* Halt Script

* Pause Script

* Pause Script For Duration

* Perform Script

* Resume Script

* Set Variable

Editing

* Select All

* Set Selection

Fields

* Insert Audio Video

* Insert Calculated Result Into Field

* Insert Calculated Result Into Variable

* Insert Current Date Into Field

* Insert Current Date Into Variable

* Insert Current Time Into Field

* Insert Current Time Into Variable

* Insert Current User Name Into Field

* Insert Current User Name Into Variable

* Insert File Into Current Field

* Insert File Into Field

* Insert From Device Camera

* Insert From Device Microphone

* Insert From Device Signature

* Insert From Device Video Camera

* Insert PDF

* Insert Picture

* Insert Text Into Field

* Insert Text Into Variable

* Set Field

* Set Field By Name

* Set Next Serial Value

* Set Web Viewer

Foundsets

* Constrain Found Set

* Extend Found Set

* Find Matching Records By Field

* Modify Last Find

* Omit Record

* Perform Find

* Perform Quick Find

* Show All Records

* Show Omitted Only

* Sort Records By Field

* Unsort Records

Miscellaneous

* Beep

* Clear Local Notification

* Dial Phone

* Dial Phone With Dialog

* Exit Application

* Refresh Object

* Show Custom Dialog

* Speak

Navigation

* Close Popover

* Enter Browse Mode

* Enter Find Mode

* Go To Field

* Go To First Portal Row

* Go To First Record Request Page

* Go To Last Portal Row

* Go To Last Record Request Page

* Go To Next Field

* Go To Next Portal Row

* Go To Next Record Request Page

* Go To Object

* Go To Portal Row Number

* Go To Previous Field

* Go To Previous Portal Row

* Go To Previous Record Request Page

Records

* Delete Portal Row

* Delete Record Request

* Delete Record Request With Dialog

* Duplicate Record Request:
Partially implemented. Duplicating a record in the context of a non master-detail portal is yet to be implemented.

* New Record Request

* Open Record Request

Url

* Insert From URLInto Field

* Insert From URLInto Variable

Windows

* Close Window

* Freeze Window

* Move Resize Window

* Select Window

* Set Window Title

Insert From Device Bar Code From Camera
Implemented on mobile platforms only.

Insert From Device Bar Code From Field
Implemented on android platform only.

Insert From Device Music Library
Implemented on mobile platforms only.

Insert From Device Photo Library
Implemented on mobile platforms only.

Files

Close File
Implemented with differences. Closing a file in lcfm-native closes all
its windows and reverts it to being in the background.

Open File
Implemented with differences. All files compiled into an lcfm-native
app are opened in the background on startup, calling Open File causes the
file to be brought to the foreground, running appropriate triggers.

Note: You can only open files which were included in the app at compile-time.

Foundsets

Omit Multiple Records
Partially implemented. The 'with dialog' form is not yet implemented.

Sort Records
Partially implemented. The 'with dialog' form is not yet implemented.

Miscellaneous

Configure Local Notification
Partially implemented. Buttons on the notifications are not yet
supported and in the script parameter line two will always be
`NotificationSelected` and line 3 will always be 0 as these values are not

yet being determined.

Open URL
Implemented, including the 'with dialog' form.

Send Mail
Partially implemented. Sending of multiple addresses and using the foundset to collate addresses is not yet implemented.

Navigation

Go To Layout
Partially implemented. Animation is not yet implemented.

Go To Record Request Page Number
Partially implemented. The 'with dialog' form is not yet implemented.

Go To Related Record
Partially implemented. Animation is not yet implemented.

Go To Related Record In New Window
Partially implemented. Only 'document' and 'card' styles are supported. Only the 'name', 'x', 'y', 'width' and 'height' new window options are honoured.

* Refresh Portal is now implemented
* Sort portal is now implemented
* Filter portal is now implemented

Records

Commit Records Requests
Partially implemented. The skip-validation option currently has no effect as field validation is not yet implemented. The 'with dialog' form is not yet implemented. The force-commit option is not supported.

Delete All Records
Partially implemented. The 'with dialog' form is not yet implemented.

Revert Record Request
Partially implemented. The 'with dialog' form is not yet implemented.

Windows

Adjust Window

Partially implemented. Only the ResizeToFit option is currently implemented.

New Window

Partially implemented. Only 'document' and 'card' styles are supported. Only the 'name', 'x', 'y', 'width' and 'height' new window options are honoured.

Refresh Window

Partially implemented. The flush-joins option is not yet implemented. The flush-sql option is not supported.

View As

Partially implemented. The table view mode is not yet implemented.

User Interface Feature Limitations in V1

Active Fields
Typing into the active field whilst it is not visible is not yet implemented.

Allow Edit
The Allow Edit and Allow Other options will cause 'Edit...' to be added to the list, but its action is not yet implemented.

Auto Scroll
Automatic scrolling into view of the active layout object is not yet implemented.

Autocomplete
The Autocomplete option is not yet implemented.

Error Capture
Steps (and scripts) execute as if Error Capture is turned On. Automatic error handling when error capture is off and the dialogs which appear as a result are yet to be implemented.

Field Validation
Field validation is yet to be implemented.

Group Button
Currently children of a group button object will not highlight whilst the mouse is pressed on the group button.

Layout Modes
Preview mode is not yet implemented.

Table view state is not yet implemented.

Layout Triggers
The following layout triggers are not yet implemented:
– OnLayoutKeystroke
– OnGestureTap
– OnExternalCommandReceived
– OnObjectAVPlayerChange

Portals

The 'retain scrollbar position' option is not yet implemented.

The 'allow row deletion' option is not yet implemented.

Show Icon
List field objects which were created in historic versions of FileMaker and not changed in more recent versions can loose their 'Show Icon' property. To rectify this, toggle the property value in the FileMaker UI and re-run the import phase.

Slide Control
Using a swipe gesture to manipulate a slide control is not yet implemented.

Show Scrollbars
On MacOS, if the system preference 'always show scrollbars' option is enabled then the scrolling content area size is not yet correct.

Status, Formatting bar & Ruler
The status bar, formatting bar and ruler are not yet supported.

Summary Fields
Only the 'Weighted Average' operation and 'Summarize Repetitions Individually` option are yet to be implemented.

Tooltips
Layout object tooltips are not yet implemented.

User Interface Objects not Implemented in V1

Chart
Not yet implemented.

FileMaker Core Feature Limitations in V1
User accounts are not currently implemented. The User Name is always 'System User' and the account name is always '[Full Access]'.

Locales other than en_GB and en_US are yet to be implemented.

The OnFileAVPlayerChanged trigger is yet to be implemented.

Menusets are yet to be implemented.

Accounts, privilege sets and extended privileges are yet to be implemented.

Tables, Fields and Relationships

The 'Always Evaluate' option on autoenter field calculations and calculated field calculations is yet to be implemented.

Storing into a related field where the relationship allows creation and there is no related record is has now been implemented.

Repeated calculated fields are only partially implemented, using them may give incorrect results.

Performing found set operations against un-stored repeated fields is only partially implemented, performing such operations may give incorrect results.

The override language option for sorting is yet to be implemented.

Maintaining sort order when creating new records in foundsets is yet to be implemented.

Table, record and field level access are yet to be implemented.

Valuelists

The order and uniqueness of values in non-custom valuelists is determined by sorting case insensitively using standard Unicode rules. Using the index language or the resort-language setting is yet to be implemented.

Partially Implemented Functions in V1

Context

Get (AccountExtendedPrivileges)

Implemented as override. Currently the value returned by Get(AccountExtendedPrivileges) will be that specified by the corresponding override at compile-time, or empty if one isn't set.

Get (AccountGroupName)

Implemented as override. Currently the value returned by Get(AccountGroupName) will be that specified by the corresponding override at compile-time, or empty if one isn't set.

Get (AccountName)

Implemented as override. Currently the value returned by Get(AccountName) will be that specified by the corresponding override at compile-time, or

Get (AccountPrivilegeSetName)

Implemented as override. Currently the value returned by Get(AccountPrivilegeSetName) will be that specified by the corresponding override at compile-time, or "[Full Access]" if one isn't set.

Get (ApplicationVersion)

Implemented with override. The value returned by Get(ApplicationVersion) will be that specified as the corresponding override at compile-time. If no override is set then "Go 18.0.0" is returned.

Get (Device)

Implemented with override. The value returned by Get(Device)
will be that specified as the corresponding override at compile-time. If no
override is set then it returns the same value as FileMaker for the current
platform.

Get (PersistentID)

Implemented with differences. The id returned is generated on
first-run of the app on a given device. The id will survive backups
but not necessarily deletion and reinstallation of the app.
It is now possible to override the value returned by the `Get(PersistentID)`
function at runtime.
A new setting 'Clear Application Data' has been added, allowing for control of
+when an app's mutable data will be cleared.

Get (SystemPlatform)

Implemented with override. The value returned by Get(SystemPlatform)
will be that specified as the corresponding override at compile-time. If no
override is set then it returns the same value as FileMaker for the current
platform.

Get (UserName)

Implemented with override. The value returned by Get(UserName) will be that
specified as the corresponding override at compile-time. If no override is set
then it returns the full name of the current user on macOS, `iPad` or `iPhone`
on iOS, and `Android` on android.

Get (WindowOrientation)

Implemented with override. The value returned by Get(WindowOrientation) will be
that specified as the corresponding override at compile-time. If no override is
set then it returns the same value as FileMaker would.

Functions Not Yet Implemented in V1

Aggregate

* Extend

* Last

Container

* Get (Height)

* Get (Width)

* VerifyContainer

Context

* Get (ActiveModifierKeys)

* Get (AllowFormattingBarState)

* Get (ApplicationLanguage)

* Get (ConnectionAttributes)

* Get (ConnectionState)

* Get (CurrentExtendedPrivileges)

* Get (CurrentMenuSetName)

* Get (CurrentPrivilegeSetName)

* Get (DocumentsPathListing)

* Get (EncryptionState)

* Get (FileMakerPath)

* Get (HighConstrastState)

* Get (HighContrastColor)

* Get (HostApplicationVersion)

* Get (HostName)

* Get (InstalledFMPlugins)

* Get (LayoutAccess)

* Get (MenubarState)

* Get (ModifiedFields)

* Get (MultiUserState)

* Get (NetworkProtocol)

* Get (NetworkType)

* Get (PageNumber)

* Get (PreferencesPath)

* Get (PrinterName)

* Get (QuickFindText)

* Get (RecordAccess)

* Get (RegionMonitorEvents)

* Get (ScreenDepth)

* Get (ScreenScaleFactor)

* Get (ScriptAnimationState)

* Get (StatusAreaState)

* Get (SystemDrive)

* Get (SystemIPAddress)

* Get (SystemLanguage)

* Get (SystemNICAddress)

* Get (TextRulerVisible)

* Get (TouchKeyboardState)

* Get (TriggerExternalEvent)

* Get (TriggerGestureInfo)

* Get (TriggerKeystroke)

* Get (TriggerModifierKeys)

* Get (UserCount)

* Get (UseSystemFormatsState)

* Get (WindowStyle)

* Get (WindowZoomLevel)

Design

* FieldBounds

* FieldIDs

* FieldNames

* FieldRepetitions

* FieldStyle

Logical

* LookupNext

Mobile

* Get (Sensor)

* RangeBeacons

Number

* Combination

* Factorial

Text

* Furigana

* Hiragana

* KanaHankaku

* KanaZenkaku

* KanjiNumeral

* Katakana

* NumToJText

* RomanHankaku

* RomanZenkaku

* SortValues

* TextColorRemove

* UniqueValues

Script Steps not Yet Implemented in V1

Control

Allow User Abort
Not fully implemented. The AllowUserAbort state can be set and
retrieved with Get(AllowAbortState), but the setting has no effect.

Perform Script On Server
Not fully implemented. The specified script is run locally, in
exactly the same way as Perform Script.

Set Error Capture
Not fully implemented. The ErrorCapture state can be set and retrieved with
Get(ErrorCaptureState), but all script steps run as if it is set to True.

Fields

Export Field Contents
Partially implemented. When used on desktop platforms, the 'Auto Open' and
'Create Email' options do not currently appear in the file dialog.

Export Field Contents To File
Partially implemented. On desktop platforms, the Create Email option
is not yet implemented.

Set Multi User
Implemented as no-op.

Account

* Add Account

* Change Password

* Delete Account

* Enable Account

* Re Login

* Reset Account Password

Control

* Install On Timer Script

* Set Error Logging

Editing

* Clear / Copy / Cut / Paste

* Perform Find Replace

* Undo / Redo

Fields

* Insert File Into Variable

* Insert From Index

* Insert From Last Visited

* Relookup Field Contents

* Replace Field Contents With Serial Numbers

Files

* Close Data File

* Convert File

* Create Data File

* Delete File

* Get Data File Position Into Field

* Get Data File Position Into Variable

* Get File Exists Into Field

* Get File Exists Into Variable

* Get File Size Into Current Field

* Get File Size Into Field

* Get File Size Into Variable

* Open Data File Into Field

* Open Data File Into Variable

* Open File With Dialog

* Read From Data File Into Field

* Read From Data File Into Variable

* Rename File

* Set Data File Position

* Set Use System Formats

* Write To Data File From Field

* Write To Data File From Variable

Miscellaneous

* Allow Formatting Bar

* AVPlayer Play Field

* AVPlayer Play Object

* AVPlayer Play URL

* AVPlayer Set Options

* AVPlayer Set Playback State

* Clear Region Monitor Script

* Configure Region Monitor Script Geolocation

* Configure Region Monitor Script Ibeacon

* Flush Cache To Disk

* Get Directory

* Install Menu Set

* Perform Apple Script

* Send DDEExecute File

* Send DDEExecute Topic

* Send Event With File

* Send Event With Message

* Set Layout Object Animation

Navigation

* Enter Preview Mode

Print

* Print

* Print Setup

Records

* Copy All Records

* Export Records

* Import Records

* Save Records As Excel

* Save Records As PDF

* Save Records As Snapshot Link

* Truncate Table

Spelling

* Check Current Field Selection

* Check Found Set

* Check Record

* Check Selection

* Correct Word

* Edit User Dictionary

* Select Dictionaries

* Spelling Options

Windows

* Arrange All Windows

* Enable Touch Keyboard

* Scroll Window

* Set Allowed Orientations

* Set Zoom Level

* Show Hide Menubar

* Show Hide Text Ruler

* Show Hide Toolbars

Script Steps Not Supported by LCFM Native

Fields

* Insert Object

* Update Link

Files

* Close ODBCData Source

* New File

* Open ODBCData Source

* Recover File

* Save A Copy As

* Save A Copy As To File

* Save A Copy As XML

Menus

* Open Edit Saved Finds

* Open File Options

* Open Find Replace

* Open Help

* Open Hosts

* Open Manage Containers

* Open Manage Data Sources

* Open Manage Database

* Open Manage Layouts

* Open Manage Themes

* Open Manage Value Lists

* Open My Apps

* Open Preferences

* Open Script Workspace

* Open Sharing

* Upload to File Maker Server

Functions Not Supported

* CryptDecrypt

* CryptDecryptBase64

* CryptEncrypt

* CryptEncryptBase64

User Interface Features Not Supported

Layout Editing Mode
Layout editing mode is not supported.

Functions Partially Not Supported

CryptAuthCode
The SHA and MDC2 digest algorithms are not supported.

CryptDigest
The SHA and MDC2 digest algorithms are not supported.

Extended Script Steps

In LCFM Native we are adding new script steps that do not exist in FileMaker, to give you extra
functionality for example around syncing. So that you can use these script steps, a plugin for FileMaker
is automatically installed on startup in 1.5 Beta 7. You will then see the new script steps appear in your

FileMaker menu when building your file to compile via LCFM Native. The script steps will not run in your native FileMaker solution, but they will become active once the app has been compiled in LCFM. For more information about using these script steps please see the User Guide embedded in your LCFM Native Compiler.

Licensing controls

The LCFM Native plugin provides script steps to manage your app's LCFM Native license.

Named User Licenses

Functions

GetRegisteredNamedUser

Purpose

Get named user registered for license

Script Steps

Register Named User

Register a named user for the license.

Snapshot

The LCFM Native plugin provides script steps allowing apps to take snapshots of windows. The snapshots taken will be compressed PNGs and can be entered into a variable or field.

Script Steps

Take Snapshot Of Current Window Into Variable

Take a snapshot of the current window

Take Snapshot Of Window Into Variable

Take Snapshot Of Window Into Variable

Sync controls

The LCFM Native plugin provides the ability to control the application's sync settings within FileMaker solution scripts, as well as the ability to actually trigger syncs manually.

If automatic sync is enabled, the application will sync with the server after every local commit, and also periodically when idle (at a frequency governed by the automatic sync interval). If automatic sync is disabled, sync can only be triggered explicitly through the Sync or Request Sync script steps.

Functions

GetAutomaticFullSyncFrequency

Get the frequency of automatic full syncs

GetAutomaticFullSyncOnLocalCommit

Determine whether automatic sync is full or not after local commit

GetAutomaticSyncEnabled

Determine whether automatic sync is enabled or not.

GetAutomaticSyncInterval

Get the interval between automatic syncs

GetLastSyncTimeUTCMilliseconds

Get the time of the last sync

GetTableSyncConstraint

Get the sync constraint applied to a table

GetTableSyncMode

Get the sync mode of a table

Cancel Sync

Cancel a pending sync request.

Disable Automatic Sync

Disable automatic sync.

Enable Automatic Sync

Enable automatic sync.

Request Sync

Request a sync.

Resync Table

Resync a table

Set Automatic Full Sync Frequency

Set the frequency of automatic full syncs

Set Automatic Full Sync On Local Commit

Toggle whether automatic sync is full or not after local commit

Set Automatic Sync Enabled

Toggle whether automatic sync is enabled or not.

Set Automatic Sync Interval

Set the interval between automatic syncs

Set Table Sync Constraint

Set the sync constraint applied to a table

Set Table Sync Mode

Set the sync mode of a table

Sync

Sync immediately

Planned but not yet Implemented Extended Script Steps

Delete All Local Records

Delete all local records

Delete Local Record

Delete a local record

Omit All Journaled Records

Omit all journaled records

Resync All Tables

Resync all tables

Show Journaled Only

Show only journaled records