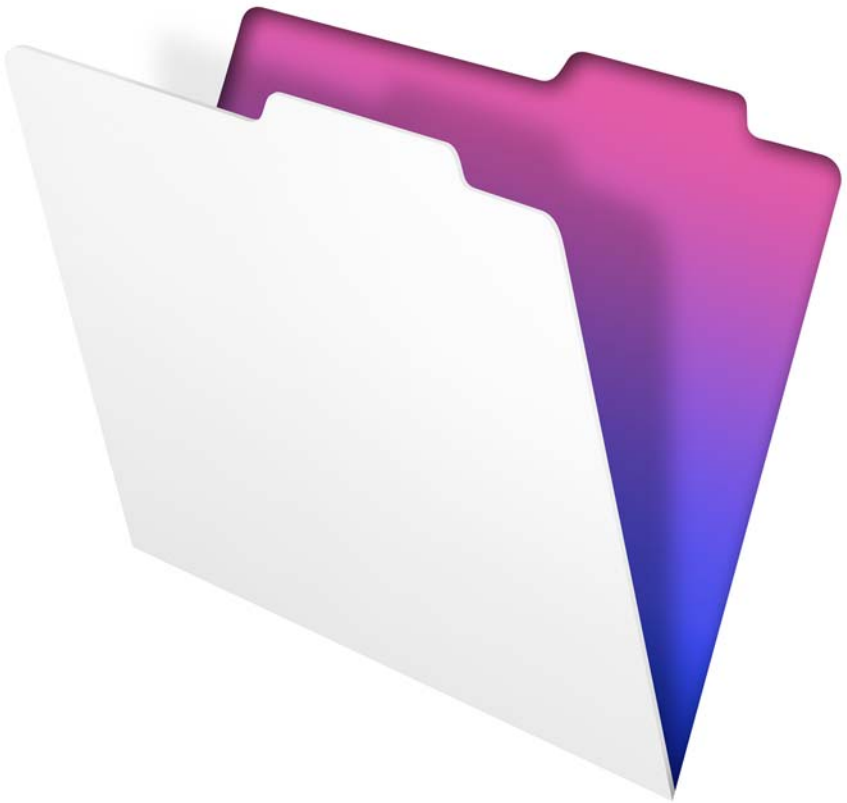
FileMaker® Pro 11 Advanced

Database Design Report XML Output Grammar



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Edition: 02

Database Design Report XML Output Grammar

This document describes the FileMaker® Pro 11 Advanced Database Design Report (DDR) XML output grammar. The DDR XML format is useful for advanced users and developers who want to create tools that analyze or process the structure of databases.

Table of Contents

Overview (Summary) Section 3
General Section 5
File Reference Section. 6
BaseTable Section 7
Relationship Section 15
ValueList Section. 17
Layout Section 19
Account Section. 37
PrivilegeSet Section. 38
Authorized Files Section. 44
ExtendedPrivilege Section 44
Custom Menu Set Section. 45
Custom Menu Section. 46
Custom Function Section 48
Script Section 49

Overview (Summary) Section

Tag Name	Value	Description
<FMPReport	—	The top most parent node
type="Summary"	Can have one of the following values: ■ Summary ■ Report	Stores the type of the XML report file. This value is used by the XSL file to determine if we are in summary mode or report mode.
version="11.0v1"	FMPro Advanced version/vrev	Version/vrev of FileMaker Pro Advanced that generated this report.
creationDate="1/1/2010"	Date string based on the system's locale.	Contains the creation date of the report.
creationTime="2:00 pm">	Time string based on the system's locale.	Contains the creation time of the report.
<FMPReport><File	—	XML node that contains the information about the database file report such as the original filename, the path of the report directory and the XML report filename.
name="testfile.fp7"	Valid filename based on the OS platform.	No validation is performed in the text string content. It is only used for display.
path="C:\test\"	Platform specific file path.	Path of the XML report file of the database file.

Tag Name	Value	Description
link="testfile_fp7.xml">	Valid filename based on the OS platform.	Contains the XML detail report filename.
<FMPReport><File><BaseTables count="2">	Any numeric value.	Shows the number of base tables found in the database referenced under <File Name> attribute.
<FMPReport><File><Tables count="2">	Any numeric value.	Shows the number of tables (occurrences) found in the database referenced under <File Name> attribute.
<FMPReport><File><Accounts count="2">	Any numeric value.	Shows the number of user accounts found in the database referenced under <File Name> attribute.
<FMPReport><File><Privileges count="2">	Any numeric value.	Number of privilege sets found in the database referenced under <File Name><File Name> attribute.
<FMPReport><File><ExtendedPrivileges count="4">	Any numeric value.	Number of extended privileges found in the database referenced under <File Name> attribute.
<FMPReport><File><Layouts count="2">	Any numeric value.	Number of layouts found in the database referenced under <File Name> attribute.
<FMPReport><File><Scripts count="2">	Any numeric value.	Number of scripts found in the database referenced under <File Name> attribute.
<FMPReport><File><Relationships count="2">	Any numeric value.	Number of relationships found in the database referenced under <File Name> attribute.
<FMPReport><File><ValueLists count="2">	Any numeric value.	Number of value lists found in the database referenced under <File Name> attribute.
<FMPReport><File><CustomFunctions count="2">	Any numeric value.	Number of custom functions found in the database referenced under <File Name> attribute.
<FMPReport><File><FileReferences count="2">	Any numeric value.	Number of file references found in the database referenced under <File Name> attribute.
<FMPReport><File><CustomMenuSets count="2">	Any numeric value.	Number of custom menu sets found in the database referenced under <File Name> attribute.
<FMPReport><File><CustomMenus count="2">	Any numeric value.	Number of custom menus found in the database referenced under <File Name> attribute.

General Section

Tag Name	Value	Description
<FMPReport	—	The top most parent node.
type="Report"	Can have one of the following values: ■ Summary ■ Report	Stores the type of the XML report file. This value is used by the XSL file to determine if we are in summary mode or report mode.
version="11.0v1"	FMPro Advanced version/vrev	Version/vrev of FileMaker Pro Advanced that generated this report.
creationDate="1/1/2010"	Date string based on the system's locale	Contains the creation date of the report.
creationTime="2:01 pm"	Time string based on the system's locale.	Contains the creation time of the report.
link="Summary.xml" >	Valid filename based on the OS platform.	Contains the XML summary report file name.
<FMPReport><File	—	XML node that contains the information about the database file report such as the original filename and the path of the report directory.
name="testfile.fp7"	Valid filename based on the OS platform.	No validation is performed in the text string content. It is only used for display.
path="D:\Location" />	Platform specific file path.	Path of the XML report file of the database file.
<FMPReport><File><Options>	—	File specific options of the database file.
<FMPReport><File><Options><OnOpen>	—	Applicable options when the database file is opened.
<FMPReport><File><Options><OnOpen> <Account name="PowerUsers">	—	The account used on File Open.
<FMPReport><File><Options><OnOpen> <Script name="MyScript" id="123" >	—	This element exists when there is a script specified to be performed on File Open.
<FMPReport><File><Options><OnOpen> <Layout name = "MyLayout" id="431" >	—	This element exists when there is a layout specified to be switched to on File Open.
<FMPReport><File><Options><DefaultCustomMenuSet>	—	
<FMPReport><File><Options><DefaultCustomMenuSet> <CustomMenuSet name="menu set 1" id="2">		This element exists when there is a default custom menu set specified to be switched to.
<FMPReport><File><Options><OnClose>	—	Applicable options when the database file is closed.
<FMPReport><File><Options><OnClose> <Script name="MyCloseScript" id="222" >	—	This element exists when there is a script specified to be performed on Close File.

File Reference Section

All nodes below start with <FMPReport><File>

Tag Name	Value	Description
<FileReferenceCatalog>	—	XML node for catalog of file references and data sources.
<FileReferenceCatalog><FileReference	—	XML node for the file reference.
name="Report"	Any valid file reference name.	—
id = "1"	Internal unique positive integer value indicating creating order.	—
link="file2_fp7.xml"	Valid filename based on the OS platform.	Contains the external XML detail report file name.
pathList="C:\path\">	Valid path list strings.	Each path is separated by the carriage return character.
<FileReferenceCatalog><OdbcDataSource	—	XML node for data source.
id="1"	Key of data source	—
name="Report"	Any valid name	—
link="file2_fp7.xml"	Valid filename based on the OS platform.	Contains the XML detail report file name.
DSN="..."	Any valid string	Name of DSN that's used.
promptForLogin="False"	Can have one of the following values: ■ True ■ False	Determines if user should be prompted for login credentials.
useSso="True"	Can have one of the following values: ■ True ■ False	Indicates whether user is using single sign-on or not.
<FileReferenceCatalog><OdbcDataSource><ssoSpn>	—	If using single sign-on, then this is the name that the user provides.
<FileReferenceCatalog><OdbcDataSource><Username>	—	Login username calc. Optional, exists only if data source has entered user name.
<FileReferenceCatalog><OdbcDataSource><Username><Calculation>...	—	XML node for calculation, same as in the rest of the grammar.
<FileReferenceCatalog><OdbcDataSource><Username><DisplayCalculation>...	—	XML display calculation node, same as in the rest of the grammar.
<FileReferenceCatalog><OdbcDataSource><Password>	—	Login password calc. Optional, exists only if data source has entered password.
<FileReferenceCatalog><OdbcDataSource><Password><Calculation>...	—	XML node for calculation, same as in the rest of the grammar.
<FileReferenceCatalog><OdbcDataSource><Password><DisplayCalculation>...	—	XML display calculation node, same as in the rest of the grammar.

Tag Name	Value	Description
<FileReferenceCatalog><OdbcDataSource><FilterTables	—	—
tableName="table"	Any valid text string	The table name to filter for. Optional, defaults to blank.
schemaName="schema"	Any valid text string	The schema name to filter for. Optional, defaults to blank.
catalogName="catalog"	Any valid text string	The catalog name to filter for. Optional, defaults to blank.
typeBasedFilter="True"	Can have one of the following values: ■ True ■ False	Attribute indicates if data source filters on object type, specifically identified below. Optional, defaults to False.
retrieveTables="True"	Can have one of the following values: ■ True ■ False	Attribute indicates if tables should be retrieved. Optional, defaults to False.
retrieveViews="True"	Can have one of the following values: ■ True ■ False	Attribute indicates if views should be retrieved. Optional, defaults to False.
retrieveSystemTables="True"	Can have one of the following values: ■ True ■ False	Attribute indicates if system tables should be retrieved. Optional, defaults to False.

BaseTable Section

Tag Name	Value	Description
<FMPReport><File><BaseTableCatalog>	—	XML node for catalog of (base) table definitions.
<FMPReport><File><BaseTableCatalog><BaseTable	—	XML node for the (base) table definition.
name="Table1"	Any valid table name.	—
shadow="True"	Can have one of the following values: ■ True ■ False	Indicates whether or not this table is a shadow table.
id="1"	Internal unique positive integer value indicating creating order.	—
records="12">	Stores the record numbers of a table.	—
<FMPReport><File><BaseTableCatalog><BaseTable> <DataSourceRef		A reference to the data source associated with this table. Only available if the "shadow" attribute of the parent BaseTable is "True".
name="..."	Any valid string.	The name of the data source (data source names are unique.)

Tag Name	Value	Description
catalogName="catalog"	Any valid string.	The name of the remote table's catalog in the ODBC data source.
schemaName="schema"	Any valid string.	The name of the remote table's schema in the ODBC data source.
tableName="table">	Any valid string.	The name of the remote table's table name in the ODBC data source.

All nodes below start with <FMPReport><File><BaseTableCatalog><BaseTable>

Tag Name	Value	Description
<FieldCatalog>	—	XML node for catalog of fields.
<FieldCatalog><Field	—	XML node for a field.
name="Field1"	Any valid field name.	—
id="1"	Internal unique positive integer value indicating creating order.	—
fieldType="Normal"	Can have one of the following values: ■ Normal ■ Calculated ■ Summary ■ Invalid	Indicate the field type.
shadowType="Supplemental"	Can have one of the following values: ■ Shadow ■ Supplemental	Specifies the shadow field type. Only available if the parent BaseTable's "shadow" attribute is "True."
dataType="Binary" >	Can have one of the following values: ■ Text ■ Number ■ Date ■ Time ■ TimeStamp ■ Binary	Indicate what kind of data is stored in the field.
<FieldCatalog><Field><Calculation	—	XML node for a calculation.
alwaysEvaluate="True"	Can have one of the following values: ■ True ■ False	Attribute indicates if calculation is always evaluated. This attribute is applicable to calculation in field definitions only.
table="Table1">	Valid table name.	Indicates the context table of the calculation. This attribute is applicable to auto-enter calculation only.
<FieldCatalog><Field><Calculation><![CDATA[F1]]>	CDATA containing the calculation text.	—

Tag Name	Value	Description
<FieldCatalog><Field><DisplayCalculation>	—	XML node for a calculation. This XML node is for display purposes only. Basically, it breaks a calculation into sequential chunks.
<FieldCatalog><Field><DisplayCalculation><Chunk type="FieldRef">	Can have one of the following values: ■ FunctionRef ■ FieldRef ■ NoRef ■ CustomFunctionRef	Chunk type. FunctionRef indicates that the chunk is a calculation function. FieldRef indicates that the chunk is a field. NoRef indicates that the chunk has no special references, but is just ordinary text. CustomFunctionRef indicates that the chunk is a custom function.
<FieldCatalog><Field><DisplayCalculation><Chunk><Field	—	XML node for a field.
name = "F1"	Valid field name.	—
id = "2"	Internal unique positive integer value indicating creating order.	—
table = "Customer1"	Table occurrence name.	—
repetition = "2"	If repetition is "1", then it is implicit, no need to output it.	—
shadowType="Supplemental">	Can have one of the following values: ■ Shadow ■ Supplemental	Specifies the shadow field type. Only available if the parent BaseTable's "shadow" attribute is "True."
<FieldCatalog><Field><SummaryInfo	—	XML node for field summary.
operation="Total"	Can have one of the following values: ■ Total ■ RunningTotal ■ Average ■ WeightedAverage ■ Count ■ RunningCount ■ Minimum ■ Maximum ■ StdDeviation ■ StdDeviationByPopulation ■ Fractional ■ FractionalSubtotal	Summary operation.
summarizeRepetition="Individually"	Can have one of the following values: ■ Together ■ Individually	Summarize repetition property.
restartForEachSortedGroup="True">	Can have one of the following values: ■ True ■ False	This attribute is applicable only if the operation is RunningTotal or RunningCount.
<FieldCatalog><Field><SummaryInfo><SummaryField>	—	XML node representing the field to summarize.
<FieldCatalog><Field><SummaryInfo><SummaryField><Field	—	XML node for a field.

Tag Name	Value	Description
name="Field2"	Valid field name.	—
id = "2"	Internal unique positive integer value indicating creation order.	—
shadowType="Supplemental">	Can have one of the following values: ■ Shadow ■ Supplemental	Specifies the shadow field type. Only available if the parent BaseTable's "shadow" attribute is "True."
<FieldCatalog><Field><SummaryInfo><AdditionalField>	—	XML node representing the additional field to summarize.
<FieldCatalog><Field><SummaryInfo><AdditionalField> <Field	—	—
name="Field2"	Valid field name.	—
id = "2"	Internal unique positive integer value indicating creation order.	—
table="Table1"	Table occurrence name.	—
repetition="2"	If repetition is "1", then it is implicit, no need to output it.	—
shadowType="Supplemental">	Can have one of the following values: ■ Shadow ■ Supplemental	Specifies the shadow field type. Only available if the parent BaseTable's "shadow" attribute is "True."
<FieldCatalog><Field><Comment>	Any text string.	XML node containing the comment information of a field definition.
<FieldCatalog><Field><AutoEnter	—	XML node representing the auto-enter information of a field.
value="CreationDate"	Can have one of the following values: ■ CreationTime ■ CreationDate ■ CreationTimeStamp ■ CreationName ■ CreationAccountName ■ ModificationDate ■ ModificationTime ■ ModificationTimeStamp ■ ModificationName ■ ModificationAccountName ■ PreviousRecord ■ ConstantData	Auto-enter type
allowEditing="True"	Can have one of the following values: ■ True ■ False	Attribute indicates if user is prohibited from modifying field value during data entry.

Tag Name	Value	Description
calculation="True"	Can have one of the following values: ■ True ■ False	Attribute indicates if the auto-enter calculation is applicable.
lookup="True"	Can have one of the following values: ■ True ■ False	Attribute indicates if the auto-enter lookup information is applicable.
furigana="True"	Can have one of the following values: ■ True ■ False	Attribute indicates if the furigana information is applicable.
alwaysEvaluate="True"	Can have one of the following values: ■ True ■ False	Attribute indicates if calculation is always evaluated. This attribute is applicable to calculation in field definitions only.
constant="True">	Can have one of the following values: ■ True ■ False	Attribute indicates if the constant data information is applicable.
<FieldCatalog><Field><AutoEnter><Serial	—	Auto-enter serial information.
generate="OnCommit"	Can have one of the following values: ■ OnCommit ■ OnCreation	Auto-enter serial generate type.
nextValue="1"	A float.	Next value.
increment="2" >	Positive integer value in the range [1, 32767].	Increment value.
<FieldCatalog><Field><AutoEnter><ConstantData>	Any valid text string.	Auto-enter data.
<FieldCatalog><Field><AutoEnter><Calculation	—	XML node for a calculation.
table="Table2">	Valid table name.	Indicates the context table of the calculation. This attribute is applicable to auto-enter calculation only.
<FieldCatalog><Field><AutoEnter><Calculation> <![CDATA[field1]]>	CDATA containing the calculation text.	—
<FieldCatalog><Field><AutoEnter><DisplayCalculation>	—	XML node for a calculation. This XMLnode is for display purposes only. Basically, it breaks a calculation into sequential chunks.
<FieldCatalog><Field><AutoEnter><DisplayCalculation> <Chunk type="NoRef">	Can have one of the following values: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	Chunk type. FunctionRef indicates that the chunk is a calculation function. FieldRef indicates that the chunkis a field. NoRef indicates that the chunk has no special references,but is just ordinary text. CustomFunctionRef indicates that the chunkis a custom function.
<FieldCatalog><Field><AutoEnter><Lookup>	—	XML node containing the auto-enter lookup information.

Tag Name	Value	Description
<FieldCatalog><Field><AutoEnter><Lookup><Table		Table occurrence XML node. Represents the context table occurrence of the lookup.
name="Table"	Valid table occurrence name.	
id="2">	Internal unique positive integer value indicating creation order.	
<FieldCatalog><Field><AutoEnter><Lookup><Field	—	XML node for a field.
name="Field2"	Valid field name.	—
id = "2"	Internal unique positive integer value indicating creation order.	—
table="Table1"	Table occurrence name.	—
repetition="2" >	If repetition is "1", then it is implicit, no need to output it.	—
<FieldCatalog><Field><AutoEnter><Lookup><NoMatchCopyOption	—	Lookup option.
value="DoNotCopy" >	Can have one of the following values: ■ DoNotCopy ■ CopyNextLower ■ CopyNextHigher ■ CopyConstant	—
<FieldCatalog><Field><AutoEnter><Lookup><CopyConstantValue>	Any valid text string.	Lookup data information.
<FieldCatalog><Field><AutoEnter><Lookup><CopyEmptyContent	—	Lookup copy empty content option.
value="True" >	Can have one of the following values: ■ True ■ False	—
<FieldCatalog><Field><Validation type = "Always"	Type can have the following values: ■ Always ■ OnlyDuringDataEntry	—
alwaysValidateCalculation = "True"	Can have one of the following values: ■ True ■ False	Always validate calculation.
calculation="True"	Can have one of the following values: ■ True ■ False	Indicates if the validation calculation is applicable.
valuelist="True"	Can have one of the following values: ■ True ■ False	Indicates if the validation value list is applicable.

Tag Name	Value	Description
maxLength="True"	Can have one of the following values: ■ True ■ False	Indicates if the validation maximum of character option is applicable.
message="True">	Can have one of the following values: ■ True ■ False	Indicates if the validation error message option is applicable.
<FieldCatalog><Field><Validation> <StrictDataType value="Numeric">	Can have one of the following values: ■ Numeric ■ FourDigitYear ■ TimeOfDay	—
<FieldCatalog><Field><Validation> <NotEmpty value="True">	Can have one of the following values: ■ True ■ False	—
<FieldCatalog><Field><Validation><Unique value="True">	Can have one of the following values: ■ True ■ False	—
<FieldCatalog><Field><Validation><Existing value="True">	Can have one of the following values: ■ True ■ False	—
<FieldCatalog><Field><Validation><ValueList	—	—
name="ValueList1"	—	—
id="23" >	—	—
<FieldCatalog><Field><Validation><Range	—	—
from="1"	—	—
to="2" >	—	—
<FieldCatalog><Field><Validation><Calculation> <![CDATA[Calc String]]>	—	—
<FieldCatalog><Field><Validation><DisplayCalculation>	—	—
<FieldCatalog><Field><Validation><DisplayCalculation> <Chunk type="CustomFunctionRef"> Custom Function Name</Chunk>	Type can have one of the following values: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	—
<FieldCatalog><Field><Validation> <MaxDataLength value="1">	—	—
<FieldCatalog><Field><Validation> <StrictValidation value ="True">	Can have one of the following values: ■ True ■ False	—

Tag Name	Value	Description
<FieldCatalog><Field><Validation><ErrorMessage>	—	—
<FieldCatalog><Field><Storage	—	—
maxRepetition="2"	—	—
global="True"	Can have one of the following values: ■ True ■ False	—
storeCalculationResults="True"	Can have one of the following values: ■ True ■ False	Attribute applies only to field calculation types.
index="None"	Can have one of the following values: ■ None ■ Minimal ■ All	—
autoIndex="True"	Can have one of the following values: ■ True ■ False	—
indexLanguage="Dutch" >	indexLanguage value can be one of the languages listed in the Options for Field dialog box (Storage tab).	—
<FieldCatalog><Field><Furigana	—	<Furigana> element will exist when "Use Furigana Field" checkbox is checked in the UI.
inputMode="AsEntered" >	Can have one of the following values: ■ AsEntered ■ Hiragana ■ 2ByteKatakana ■ 2ByteRoman ■ 1ByteKatakana ■ 1ByteRoman	—
<FieldCatalog><Field><Furigana><Field		
name="field"	—	—
id="2"	—	—
baseTable="Table1"	—	—
shadowType="Supplemental">	Can have one of the following values: ■ Shadow ■ Supplemental	Specifies the shadow field type. Only available if the parent BaseTable's "shadow" attribute is "True."

Relationship Section

All nodes below start with <FMPReport><File><RelationshipGraph>

Tag Name	Value	Description
<RelationshipList>	—	—
<RelationshipList><Relationship	—	—
id = "1">	—	—
<RelationshipList><Relationship><LeftTable	—	—
name="Table1"	—	—
cascadeDelete="True"	Can have one of the following values: ■ True ■ False	—
cascadeCreate="True" >	Can have one of the following values: ■ True ■ False	—
<RelationshipList><Relationship><LeftTable> <SortList value="True">	Can have one of the following values: ■ True ■ False	Specify if the sort information is applicable or not.
<RelationshipList><Relationship><LeftTable><SortList> <Sort type="Descending">	Can have one of the following values: ■ Ascending ■ Descending ■ Custom	—
<RelationshipList><Relationship><LeftTable><SortList> <Sort><PrimaryField>	Child node is a field element.	—
<RelationshipList><Relationship><LeftTable><SortList> <Sort><SummaryField>	Child node is a field element. Optional	—
<RelationshipList><Relationship><LeftTable><SortList> <Sort><OverrideLanguage language="Japanese"/>	optional	—
<RelationshipList><Relationship><LeftTable><SortList> <Sort><ValueList name="New Value List" id="23"/>	optional	—
<RelationshipList><Relationship><RightTable	—	—
name="Table2"	—	—
cascadeDelete="True"	Can have one of the following values: ■ True ■ False	—
cascadeCreate="True" >	Can have one of the following values: ■ True ■ False	—

Tag Name	Value	Description
<RelationshipList><Relationship><RightTable><SortList value="True">	Can have one of the following values: ■ True ■ False	—
<RelationshipList><Relationship><RightTable><SortList><Sort type="Descending">	Can have one of the following values: ■ Ascending ■ Descending ■ Custom	—
<RelationshipList><Relationship><RightTable><SortList><Sort><PrimaryField>	Child node is a field element.	—
<RelationshipList><Relationship><RightTable><SortList><Sort><SummaryField>	Child node is a field element.	—
<RelationshipList><Relationship><RightTable><SortList><Sort><OverrideLanguage language="Japanese"/>	—	—
<RelationshipList><Relationship><RightTable><SortList><Sort><ValueList name="New Value List" id="23"/>	—	—
<RelationshipList><Relationship><JoinPredicateList>	—	—
<RelationshipList><Relationship><JoinPredicateCatalog><JoinPredicate type="LessThan" >	Can have one of the following values: ■ Equal ■ NotEqual ■ LessThan ■ LessThanOrEqualTo ■ GreaterThan ■ GreaterThanOrEqualTo ■ CartesianProduct	—
<RelationshipList><Relationship><JoinPredicateCatalog><JoinPredicate><LeftField>	—	—
<RelationshipList><Relationship><JoinPredicateCatalog><JoinPredicate><LeftField><Field	—	—
table="Table1"	—	—
id="2"	—	—
name="Field1"	—	—
<RelationshipList><Relationship><JoinPredicateCatalog><JoinPredicate><RightField>	—	—
<RelationshipList><Relationship><JoinPredicateCatalog><JoinPredicate><RightField><Field	—	—
table="Table2"	—	—
id="2"	—	—
name="Field2">	—	—
<TableList>	—	—
<TableList><Table	—	—

Tag Name	Value	Description
name="T"	—	—
color = "#fffffff"	—	—
id="1"	—	—
baseTable = "TName"	—	—
baseTableId = "32345">		
<TableList><Table><FileReference	—	—
name="file reference name"	—	—
id="1" >	—	—

ValueList Section

All nodes below start with <FMPReport><File>

Tag Name	Value	Description
<ValueListCatalog>		—
<ValueListCatalog><ValueList		—
name="ValueList1"	Any value	—
id="1">	—	—
<ValueListCatalog><ValueList><Source value="Custom">	Can have one of the following values: ■ Custom ■ Field ■ External	<CustomValues/PrimaryField/External> node will only exist if <Source value> is "Custom"/"Field"/"External". <SecondaryField> node will only exist if "also display" checked in the UI
<ValueListCatalog><ValueList><CustomValues>	—	—
<ValueListCatalog><ValueList><CustomValues><Text>	—	—
<ValueListCatalog><ValueList><PrimaryField	—	—
sort = "True" show = "True" resortLanguage ="Finnish" >	Sort can have one of the following values: ■ True ■ False show can have one of the following values: ■ True ■ False	The sort attribute indicates that the field contents are sorted. The show attribute indicates that the field contents are included in the value list. The resortLanguage indicates the language re-sort is based on.
<ValueListCatalog><ValueList><PrimaryField><Field	—	—
table="Table1"	—	—
id="2"	—	—
name="Field1" >	—	—
<ValueListCatalog><ValueList><SecondaryField	—	—

Tag Name	Value	Description
sort = "False" show = "False"> resortLanguage ="Finnish" >	Sort can have one of the following values: ■ True ■ False show can have one of the following values: ■ True ■ False	The sort attribute indicates that the field contents are sorted. The show attribute indicates that the field contents are included in the value list. The resortLanguage indicates the language re-sort is based on.
<ValueListCatalog><ValueList><SecondaryField><Field	—	—
table="Table2"	—	—
id="2"	—	—
name="Field2" >	—	—
<ValueListCatalog><ValueList> <ShowRelated value="True">	Can have one of the following values: ■ True ■ False	—
<ValueListCatalog><ValueList><ShowRelated> <Table name="Table" id="1"/>	—	—
<ValueListCatalog><ValueList><External>	—	—
<ValueListCatalog><ValueList><External><FileReference	—	—
name="FileReferenceName"	—	—
id="123" >	—	—
<ValueListCatalog><ValueList><External><ValueList	—	—
name="ValueList1" id="24">	—	—

Layout Section

All nodes below start with <FMPReport><File>

A node with its children may be attached to a layout or to individual layout objects. Consequently, all nodes below start with either:

- <FMPReport><LayoutCatalog><Layout> or
- <FMPReport><LayoutCatalog><Layout><Object>

Tag Name	Value	Description
<LayoutCatalog>	—	—
<LayoutCatalog><Group	—	A collection of layouts and/or other groups
name="some_group"	—	—
id="1"	—	—
groupCollapsed="True"	Can have one of the following values: ■ True ■ False	Indicates whether or not this group is collapsed in the UI.
includeInMenu="True" >	Can have one of the following values: ■ True ■ False	—
<LayoutCatalog></Group>		
<LayoutCatalog><Layout	—	—
name="layout#1"	—	—
id="234"	—	—
quickFind="True"	—	—
includeInMenu="True" >	Can have one of the following values: ■ True ■ False	Property to determine if the layout is included in the menu.
<LayoutCatalog><Layout><Table	—	—
name="table"	—	—
id="1">	—	—
<LayoutCatalog><Layout><CustomMenuSet	—	—
name="Custom menu set"	—	—
id="1">	—	—
<LayoutCatalog><Layout><Options saveRecord="True" showFieldFrames="True">	—	—
<LayoutCatalog><Layout><Object	—	—

Tag Name	Value	Description
name="FieldObj1"	A valid layout object name string	—
flags = "123"	—	Bit flag value to indicated the following settings: 0x00000001 - Object has conditional formatting 0x00000002 - Locked on layout 0x00000010 - Marked for sliding up 0x00000020 - Marked for sliding left 0x00000200 - Don't image when printing 0x00004000 - Object has associated tooltip 0x00010000 - Show "hand over button" cursor 0x01000000 - Text is vertically aligned to center 0x02000000 - Text is vertically aligned to bottom 0x10000000 - Don't anchor left 0x20000000 - Don't anchor top 0x40000000 - Anchor right 0x80000000 - Anchor bottom
type="Field">	Can have one of the following values: ■ Field ■ GroupButton ■ Line ■ Rect ■ RRect ■ Oval ■ Text ■ Portal ■ ExternalObject ■ TabControl	—
<LayoutCatalog><Layout><Object><StyleId>	—	Specifies the ID of the corresponding ObjectStyle element
<LayoutCatalog><Layout><Object> <ConditionalFormatting>	—	—
<LayoutCatalog><Layout><Object> <ConditionalFormatting><Item		
id="0"	—	—
flags="9">	—	0x0001 - Condition enabled. 0x0002 - Apply specified font color if condition is true. 0x0004 - Apply specified fill color if condition is true. 0x0008 - Apply specified font face if condition is true. 0x0010 - Apply specified font size if condition is true.

Tag Name	Value	Description
<LayoutCatalog><Layout><Object> <ConditionalFormatting><Item><Condition		
op="1">	—	Identifier of a string in the localized string table, which describes a preset operation (e.g. "Less than or equal to")
<LayoutCatalog><Layout><Object> <ConditionalFormatting><Item><Condition><Calc>...	—	Condition calculation. Done the same way as in the rest of the grammar.
<LayoutCatalog><Layout><Object> <ConditionalFormatting><Item><Condition><RangeBegin>	Any valid string.	Beginning of range used in preset function. Defaults to blank.
<LayoutCatalog><Layout><Object> <ConditionalFormatting><Item><Condition><RangeEnd>	Any valid string.	End of range used in preset function. Defaults to blank.
<LayoutCatalog><Layout><Object> <ConditionalFormatting><Item><Format>...	—	Font tag + subtags, the same ones we use currently (for example, when specifying a font for a field).
<LayoutCatalog><Layout><Object><ToolTip> <Calculation> <![CDATA[{CalcString}]]> </Calculation> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation>		
<LayoutCatalog><Layout><Object><FieldObj	—	—
numOfReps="-3"	—	Negative is used to denote horizontal display. Positive is used for vertical display. The absolute value shown is for the number of repetitions including the starting repetition.
flags="2080"	Integer value containing bit flag information	Possible bit flag values are: Add "Other" item to control set fields = 0x0001 Automatically select all when entering field = 0x0002 Do not allow entry into field in Browse mode = 0x0004 Add "Edit" item to edit value list = 0x0008 Do no allow entry into field in Find mode = 0x0010 Exit field on TAB key = 0x0020 Exit field on RETURN key = 0x0040 Exit field on ENTER key = 0x0080 Include vertical scroll bar = 0x0100 Include horizontal scroll bar = 0x0200 Include drop-down/pop-up icon = 0x0400 Auto-complete using specified value list or field's values = 0x0800 Disable Visual Spell Checking = 0x2000 Disable for Quick Find = 0x8000

Tag Name	Value	Description
inputMode="0"	Values can be: 128 - 135	Meaning of the numbers: 128 : Synch Field Font 129 : Japanese Active 130 : Japanese Direct 131 : Hiragana 132 : Full-Width Katakana 133 : Full-Width Alpha 134 : Half-Width Katakana 135 : Half-Width Alpha
displayType="0"	Values can be: 0 to 6	Meaning of the numbers: 0 : Edit Box 1 : Drop-down List 2 : Pop-up Menu 3 : Checkbox Set 4 : Radio Button Set 6 : Calendar popup
tableViewVisibility="0">	Values can be 0-2	Meaning of the numbers: 0 : On both layout and table view 1 : Not visible in table view 2 : Only visible in table view
quickFind="1"	Values can be 0 or 1	Meaning of numbers: 0: Quick Find is Off 1: Quick Find is On
<LayoutCatalog><Layout><Object><FieldObj><DDRInfo>	—	—
<LayoutCatalog><Layout><Object><FieldObj><DDRInfo> <Field	—	—
name="Field1"	—	—
id="2"	—	—
table="Table1"	—	—
repetition="2"	—	—
maxRepetition="5"	—	This is the field's storage repetition number, listed here again for external fields where it might not be possible to reference the field's definition.
<LayoutCatalog><Layout><Object><FieldObj><DDRInfo> <ValueList	—	—
name="Cities" id="23">	—	—
<LayoutCatalog><Layout><Object><GroupButtonObj>	—	Can have other child Object nodes.
<LayoutCatalog><Layout><Object><GroupButtonObj> <Step>	—	Step node and all its children can contain script steps as covered under the Script Section
<LayoutCatalog><Layout><Object><TextObj>	—	—
<LayoutCatalog><Layout><Object><TextObj><FieldList	—	—
quickFind="True">	—	—

Tag Name	Value	Description
<LayoutCatalog><Layout><Object><TextObj><FieldList> <Field name="field" id="2" table="table" repetition="2"/>	—	—
<LayoutCatalog><Layout><Object><PortalObj	—	—
portalFlags="1"	—	Possible flag values and their meanings are: ■ Show scroll bar onportal = 0x0001 ■ Has alternating row background fill = 0x0002 ■ Allow deletion of rows = 0x0004 ■ Rows should be sorted(according to associated sort spec) = 0x0008 ■ Retain scroll bar position after active exit = 0x0010 ■ Increase row height when autosizing vertically rather than increasing number of rows= 0x0020 ■ Right-to-left layout of portal elements = 0x0040 ■ Rows should be filtered (according to associated filter calc expr)= 0x0080
numOfRows="2"	—	Number of rows shown on the portal.
initialRow="1">	—	Initial row number.
<LayoutCatalog><Layout><Object><PortalObj> <TableAliasKey>	—	Name of table occurrence of the portal object.
<LayoutCatalog><Layout><Object><PortalObj><FieldList>	—	—
<LayoutCatalog><Layout><Object><PortalObj><FieldList> <Field	—	—
name="Table"	—	—
id="2"	—	—
table="Table1">	—	—

Tag Name	Value	Description
<LayoutCatalog><Layout><Object><PortalObj> <SortList value="True"> <Sort type="Descending"> <PrimaryField> <Field name="f1" id="2" table="test123"/> </PrimaryField> </Sort> <Sort type="Ascending"> <PrimaryField> <Field name="f4" id="2" table="test123"/> </PrimaryField> <SummaryField> <Field name="summary" id="2" table="test123"/> </SummaryField> <OverrideLanguage language="Japanese"/> </Sort> <Sort type="Custom"> <PrimaryField> <Field name="f5" id="2" table="test123"/> </PrimaryField> <ValueList name="New Value List" id="2"/> </Sort> </SortList>	—	—
<LayoutCatalog><Layout><Object><PortalObj><FilterCalc> <Calculation> <![CDATA[{CalcString}]]> </Calculation> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation>		
<LayoutCatalog><Layout><Object><TabControlObj		
tabHeight="25"	—	—
tabStyle="1"	—	—
tabFlagSet="4"	—	—
visPanelIndex="1"	—	—
defaultVisPanelIndex="2"	—	—
tabWidthModifier="9">	An integer greater than or equal to zero.	Specifies the tab width in pixels.
<LayoutCatalog><Layout><Object><TabControlObj> <TabPanelObj		
name="TabPanel1"	—	—

Tag Name	Value	Description
textFlagSet="1	—	Bit flags indicating the following properties: ■ Left and right bounds should not grow or shrink = 0x0002 ■ Contains at least one variable (merge field) = 0x0008 ■ Has rounded corners =0x0010 ■ Pre-5.0 buttons (i.e.text obj with old effects). = 0x0040
tabLeftEdge="100">	—	—
tabWidth="40">	—	—
tabPanelFlagSet="0">	—	—
flags="1">	—	—
portal="-1">	—	—
rotation="0">	—	—
<LayoutCatalog><Layout><Object><TabControlObj><TabPanelObj><StyleId>	—	Specifies the ID of the corresponding ObjectStyle element
<LayoutCatalog><Layout><Object><ExternalObj		
typeID="WEBV"	A quadchar string, can have one of the following values: ■ webviewer = "WEBV" ■ chart = "CHRT"	Identifies the layout object
typeIndex="0"	—	Internal value that selects one of several available object types associated with typeID
externalFlagSet="1">	—	Bit flags indicating the following properties: ■ Object can be activated = 0x0001 ■ Object can display content in Find Mode = 0x0002 ■ Object shows the progress of an operation = 0x0004 ■ Object shows status messages = 0x0008 ■ The user explicitly chose a custom calc = 0x8000
<LayoutCatalog><Layout><Object><ExternalObj typeID = "WEBV"> <Calculation index="0"> <![CDATA[{CalcString}]]> </Calculation> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation>	—	ExternalObj can have more than one calculation. The index attribute value will distinguish what each calculation is.
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><Title>	—	Title of the Chart
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><Title><CharacterStyle>	—	—

Tag Name	Value	Description
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><Title><CharacterStyle><Font-family	—	—
codeSet="Roman"	—	—
fontId="1">	—	—
Arial</Font-family>	—	—
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><Title><CharacterStyle><Font-size>	Integer value	—
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><Title><<CharacterStyle>/font><Face>	Integer value representing Font Face	—
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><Title><CharacterStyle><Color>	Fomatted as : #66CCCC	—
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><Title><Text> <Calculation index="0"> <![CDATA[{CalcString}]]> </Calculation> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation>	Any valid string	Title value calculation
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><SeriesSource	—	—
source="Related Records">	Can have one of the following values: ■ Current Found Set ■ Current Record (delimited data) ■ Related Records	—
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><SeriesSource> <ShowRecordGroupDataWhenSorted>	Can have one of the following values: ■ True ■ False	Applicable when source is "Current Found Set"
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><SeriesSource><SourceTable>	Name of the table	Applicable when source is "Related Records"

Tag Name	Value	Description
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><SeriesSource> <SortList value="True"> <Sort type="Descending"> <PrimaryField> <Field name="f1" id="2" table="test123"/> </PrimaryField> </Sort> <Sort type="Ascending"> <PrimaryField> <Field name="f4" id="2" table="test123"/> </PrimaryField> <SummaryField> <Field name="summary" id="2" table="test123"/> </SummaryField> <OverrideLanguage language="Japanese"/> </Sort> <Sort type="Custom"> <PrimaryField> <Field name="f5" id="2" table="test123"/> </PrimaryField> <ValueList name="New Value List" id="2"/> </Sort> </SortList>	—	Applicable when source is "Related Records" and sort is enabled
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><ChartSeries>	—	—
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><ChartSeries><XSeriesList>	—	—
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><ChartSeries><Series>	—	—
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><ChartSeries><Series><Value> <Calculation index="0"> <![CDATA[{CalcString}]]> </Calculation> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation>	Any valid string	Series value calculation
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><ChartSeries><Series><Title>	—	Same as <ExternalObj><Title>
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><ChartSeries><YSeriesList>	—	Same as <ExternalObj><SeriesList> <XSeriesList>
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><Visual>	—	—

Tag Name	Value	Description
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><Visual><Type>	Can have one of the following values: ■ Bar ■ Column ■ Line ■ Area ■ Pie	—
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><Visual><Style>	Can have one of the following values: Applicable to bar, column, and area chart types: ■ Solid ■ Shaded Applicable to pie chart types: ■ Opaque ■ Semi Transparent Applicable to line chart types: ■ Poly-line ■ Curve Fitting	—
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><Visual><Appearance>	Can have one of the following values: ■ Flat ■ 3D	—
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><Visual><Scheme>	Can have one of the following values: ■ FileMaker Colors ■ Saturated ■ Primary Basics ■ Earth ■ Jewel Tone ■ Pastels ■ Spring Desert ■ Gray ■ Brown ■ Red ■ Orange ■ Purple ■ Blue ■ Green ■ Rainbow ■ Muted Rainbow ■ FileMaker Apps ■ Plum Tree ■ Copper ■ Sea Glass	—
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><Visual><Background>	—	—

Tag Name	Value	Description
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><Visual><Background><Style>	Can have one of the following values: ■ SolidFill ■ Gradient ■ Transparent	—
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><Visual><Background><GradientType>	Can have one of the following values: ■ Linear ■ Radial	Applicable when <Background><Style> is "Gradient"
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><Visual><Background><GradientProperty>	Can have one of the following values: Applicable to Linear Gradient: ■ Upper-Left/Bottom-Right ■ Bottom-Left/Upper-Right ■ Up/Down ■ Left/Right Applicable to Radial Gradient: ■ Bottom-Left ■ Bottom-Right ■ Upper-Left ■ Upper-Right	Applicable when <Background><Style> is "Gradient"
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><Visual><Background><ColorList>	—	When <Background><Style> is ■ SolidFill: contains 1 element ■ Gradient: contains 2 elements ■ Transparent: contains 0 element
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><Visual><Background><ColorList><Color>	Fomatted as : #66CCCC	—
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><Legend	—	—
style="Normal">	Can have one of the following values: ■ None ■ Normal	—
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><Legend><CharacterStyle>	—	—
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><Legend><CharacterStyle><Font-family	—	—
codeSet="Roman"	—	—
fontId="1">	—	—
Arial</Font-family>	—	—
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><Legend><CharacterStyle><Font-size>	Integer value	—
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><Title><CharacterStyle><Face>	Integer value representing Font Face	—

Tag Name	Value	Description
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><Legend><CharacterStyle><Color>	Fomatted as : #66CCCC	—
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><Legend><Border>	—	—
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><Legend><Border><Style>	Can have one of the following values: ■ No Border ■ Rectangular Border ■ Rounded Border	—
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><Legend><Border><Color>	Fomatted as : #66CCCC	Applicable when <Border><Style> is NOT "No Border"
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><Legend><Background>	—	Same as <ExternalObj><Visual> <Background>
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><ChartAxis>	—	—
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><ChartAxis><XChartAxis>	—	—
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><ChartAxis><XChartAxis><Axis>	—	—
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><ChartAxis><XChartAxis><Axis><Title>	—	Same as <ExternalObj><Title>
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><ChartAxis><XChartAxis><Axis><Label>	—	—
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><ChartAxis><XChartAxis><Axis><Label> <CharacterStyle>	—	—
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><ChartAxis><XChartAxis><Axis><Label> <CharacterStyle><Font-family	—	—
codeSet="Roman"	—	—
fontId="1">	—	—
Arial</Font-family>	—	—
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><ChartAxis><XChartAxis><Axis><Label> <CharacterStyle><Font-size>	Integer value	—
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><Title><CharacterStyle><Face>	Integer value representing Font Face	—
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><ChartAxis><XChartAxis><Axis><Label> <CharacterStyle><Color>	Fomatted as : #66CCCC	—
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><ChartAxis><XChartAxis><Axis><Label><Angle>	Integer value	—
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><ChartAxis><XChartAxis><Axis><ConstrainAxis	—	Constrain the minimum and maximum value shown on the Axis.

Tag Name	Value	Description
enable="True">	—	"True" if constrain is applied
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><ChartAxis><XChartAxis><Axis><ConstrainAxis><Min>	—	—
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><ChartAxis><XChartAxis><Axis><ConstrainAxis><Max>	—	—
<LayoutCatalog><Layout><Object><ExternalObj typeID = "CHRT"><ChartAxis><YChartAxis>	—	Same as <ExternalObj><ChartAxis><XChartAxis>
<LayoutCatalog><Layout><ObjectStyle	—	—
id="1"	—	—
fontHeight="12"	—	—
graphicFormat="1"	—	Bit flags indicating the following properties: ■ Shrink to fit = 0x0001 ■ Grow to fit = 0x0002 ■ Maintain proportions = 0x0004 ■ Left align = 0x0008 ■ Top align = 0x0010 ■ Right align = 0x0020 ■ Bottom align = 0x0080 ■ Colorize = 0x0040
fieldBorders="1">	—	Bit flags indicating the following properties: ■ Top border = 0x0001 ■ Left border = 0x0002 ■ Bottom border = 0x0004 ■ Right border = 0x0008 ■ All borders = 0x000F ■ Baseline = 0x0040 ■ Repeat = 0x0010
<LayoutCatalog><Layout><ObjectStyle><CharacterStyle	—	—
mask="1">	—	Internal use only.
<LayoutCatalog><Layout><ObjectStyle><CharacterStyle><Font-family	—	—
codeSet="Roman"	—	—
fontId="1">	—	—
Arial</Font-family>	—	—
<LayoutCatalog><Layout><ObjectStyle><CharacterStyle><Font-size>	—	—
<LayoutCatalog><Layout><ObjectStyle><CharacterStyle><Face>	—	—
<LayoutCatalog><Layout><ObjectStyle><CharacterStyle><Color>	—	—
<LayoutCatalog><Layout><ObjectStyle><ParagraphStyle>		
mask="128"	—	—

Tag Name	Value	Description
<LayoutCatalog><Layout><ObjectStyle><ParagraphStyle><Justification>	Can have the following values: ■ 2 - Center ■ 3 - Right ■ 4 - Full ■ Otherwise Left	Specify the justification of the tab control object.
<LayoutCatalog><Layout><ObjectStyle><ParagraphStyle><LeftMargin>	—	In points (1/72th of an inch).
<LayoutCatalog><Layout><ObjectStyle><ParagraphStyle><RightMargin>	—	In points (1/72th of an inch).
<LayoutCatalog><Layout><ObjectStyle><ParagraphStyle><Indent>	—	In points (1/72th of an inch).
<LayoutCatalog><Layout><ObjectStyle><ParagraphStyle><SpaceLeading	—	In units as specified below.
units="1">	Can have the following values: ■ 0 - Lines ■ 1 - Points ■ 2 - Centimeters ■ 3 - Inches	—
<LayoutCatalog><Layout><ObjectStyle><ParagraphStyle><SpaceBefore	—	In units as specified below.
units="1">	Can have the following values: ■ 0 - Lines ■ 1 - Points ■ 2 - Centimeters ■ 3 - Inches	—
<LayoutCatalog><Layout><ObjectStyle><ParagraphStyle><SpaceAfter	—	In units as specified below.
units="1">	Can have the following values: ■ 0 - Lines ■ 1 - Points ■ 2 - Centimeters ■ 3 - Inches	—
<LayoutCatalog><Layout><ObjectStyle><ParagraphStyle><Tab>	—	—
<LayoutCatalog><Layout><ObjectStyle><ParagraphStyle><Tab><Position>	—	—
<LayoutCatalog><Layout><ObjectStyle><ParagraphStyle><Tab><Type>	Can have the following values: ■ 1 - Left ■ 2 - Center ■ 3 - Right ■ 4 - Decimal	—
<LayoutCatalog><Layout><ObjectStyle><ParagraphStyle><Tab><FillChar>	—	—

Tag Name	Value	Description
<LayoutCatalog><Layout><ObjectStyle><ParagraphStyle><Tab><AlignChar>	—	—
<LayoutCatalog><Layout><ObjectStyle><NumFormat	—	—
flags="1"	—	Bit flags indicating the following properties: ■ No formatting = 0x0001 ■ Use separator = 0x0002 ■ Use notation (% or $) = 0x0004 ■ Use fix number of decimal digits= 0x0008 ■ Use percent notation = 0x0010 ■ Display as boolean = 0x0020 ■ Use Kanji Man-Oku style = 0x0040 ■ Use Kanji 10,100,1000,10000 style = 0x0080 ■ Use general format = 0x0100 ■ Notation outside negative format = 0x0400 ■ Leading currency symbol = 0x0800 ■ Use given negative color = 0x1000 ■ Blank if zero = 0x2000
charStyle="1"	Can have the following values: ■ 0 - Single byte ■ 1 - Double byte ■ 2 - Simplified Kanji digits ■ 3 - Traditional Kanji digits ■ 4 - Simplified Kanji with separator	—
negativeStyle="1"	Can have the following values: ■ 0 - Leading minus ■ 1 - Trailing minus ■ 2 - Parenthesis ■ 3 - Angle ■ 4 - Credit ■ 5 - Triangle	Display style for negative values.
currencySymbol="$"	—	—
thousandsSep=","	—	—
decimalPoint="."	—	—
negativeColor="#FF0000"	—	—
decimalDigits="2"	—	Number of decimals to display.
trueString="True"	—	Representation for true value.
falseString="False">	—	Representation for false value.
<LayoutCatalog><Layout><ObjectStyle><DateFormat	—	—

Tag Name	Value	Description
format="1"	Can have the following values: ■ 0 - As entered ■ 1 - Custom ■ 2 - Numeric date ■ 3 - Short date ■ 4 - Full date ■ 5 - Short date with day name ■ 6 - Full date with day name ■ 7 - Long numeric date	Display format.
charStyle="1"	Can have the following values: ■ 0 - Single byte ■ 1 - Double byte ■ 2 - Simplified Kanji digits ■ 3 - Traditional Kanji digits ■ 4 - Simplified Kanji with separator	—
monthStyle="0"	Can have the following values: ■ 0 - None ■ 1 - Zero ■ 2 - Space	Specifies leading character, if any.
dayStyle="0"	Can have the following values: ■ 0 - None ■ 1 - Zero ■ 2 - Space	Specifies leading character, if any.
separator="/">	—	—
<LayoutCatalog><Layout><ObjectStyle><DateFormat><DateElement>	Can have the following values: ■ 0 - Empty ■ 1 - Day ■ 2 - Short day name ■ 3 - Full day name ■ 4 - Month ■ 5 - Short month ■ 6 - Full month ■ 7 - Short year ■ 8 - Full year ■ 9 - Short quarter ■ 10 - Full quarter ■ 11 - Asian quarter ■ 12 - Half year ■ 13 - Reign year ■ 14 - Short reign year ■ 15 - Alphabetic reign year ■ 16 - Asian day name ■ 17 - Short Asian day name	—
<LayoutCatalog><Layout><ObjectStyle><DateFormat><DateElementSep	—	Date element separator.

Tag Name	Value	Description
index="1">	—	—
<LayoutCatalog><Layout><ObjectStyle><TimeFormat	—	—
flags="1"	—	Bit flags indicating the following properties: ■ Hour = 0x0001 ■ Minutes = 0x0002 ■ Seconds = 0x0004 ■ As entered (leave unformatted) = 0x0008 ■ Use 24h time = 0x0010 ■ Prefix 24h time (instead of suffix) = 0x0020 ■ Prefix 12h time (instead of suffix)= 0x0040 ■ Use separator (otherwise uses Japanese style) = 0x0080
charStyle="1"	Can have the following values: ■ 0 - Single byte ■ 1 - Double byte ■ 2 - Simplified Kanji digits ■ 3 - Traditional Kanji digits ■ 4 - Simplified Kanji with separator	—
hourStyle="1"	Can have the following values: ■ 0 - None ■ 1 - Zero ■ 2 - Space	—
minsecStyle="1"	Can have the following values: ■ 0 - None ■ 1 - Zero ■ 2 - Space	—
separator=":"	—	—
amString="am"	—	—
pmString="pm"	—	—
ampmString="am/pm">	—	—
<LayoutCatalog><Layout><ObjectStyle><DrawStyle		
linePat="0"	—	—
lineWidth="1"	—	—
lineColor="#0"	—	—
fillPat="1"	—	—
fillEffect="0"	—	—
fillColor="#FFFFFF00">	—	—
<LayoutCatalog><Layout><ObjectStyle><AltLineStyle		

Tag Name	Value	Description
linePat="0"	—	—
lineWidth="1"	—	—
lineColor="#0">	—	—

Tag Name	Value	Description
<ScriptTriggers>	—	—
<ScriptTriggers><Trigger	—	—
event="OnObjectEnter"	Can have one of the following values: ■ OnObjectEnter ■ OnObjectExit ■ OnObjectModify ■ OnObjectValidate ■ OnObjectSave ■ OnObjectKeystroke ■ OnLayoutEnter ■ OnLayoutExit ■ OnViewChange ■ OnLayoutLoad ■ OnLayoutKeystroke ■ OnRecordLoad ■ OnRecordCommit ■ OnRecordRevert ■ OnModeEnter ■ OnModeExit	Tells what type of trigger this is.
id="1"	id can have one of the following values: ■ 1 - OnObjectEnter ■ 2 - OnObjectExit ■ 3 - OnObjectModify ■ 4 - OnObjectSave ■ 5 - OnObjectKeystroke ■ 6 - OnObjectValidate ■ 101 - OnLayoutEnter ■ 102 - OnLayoutKeystroke ■ 103 - OnRecordLoad ■ 104 - OnRecordCommit ■ 105 - OnRecordRevert ■ 106 - OnModeEnter ■ 107 - OnModeExit ■ 109 - OnLayoutExit ■ 110 - OnViewChange ■ 201 - OnFirstWindowOpen ■ 202 - OnLastWindowClose ■ 203 - OnWindowTimer	The id is the internal number used to tell the type of the trigger.

Tag Name	Value	Description
triggerFlags="1">	Value of the bits in the number have the following values: ■ 0x0001 = Trigger is enabled in browse mode ■ 0x0002 = Trigger is enabled in find mode ■ 0x0004 = Trigger is enabled in preview mode	Various bit-flag properties.
<ScriptTriggers><Trigger><Script	—	This node gives detailed information about the script to be invoked and the parameter to be passed to the script.
id=”1”	—	ScriptKey of the script to be invoked.
name="BeepScript"	—	Name of the script to be invoked.
fromFile="FileWithScript"	—	The name of the file containing the script to be invoked. Present only if the script is from another file.
Parameter="A parameter">	—	Optional. The XML-quoted representation of the calc formula to be used to compute the parameter to be passed to the invoked script.
<FileReference id="1" name="FileWithScript"> <UniversalPathList> file:FileWithScript.fp7 </UniversalPathList> </FileReference>	—	Present if the script to be invoked is from an external file.
<Calculation> <![CDATA["A param for the script"]]> </Calculation> <DisplayCalculation> <Chunk type="NoRef">"A param for the script"</Chunk> </DisplayCalculation>	—	Present if there is a calc specified to generate the parameter to the script.
<ScriptTriggers><Trigger><TriggerText>	Contains a textual representation of the trigger.	The other nodes are useful if you want to work with the pieces that make up the trigger; this node is useful as a textual summary of the entire trigger.

Account Section

All nodes below start with <FMPReport><File>

Tag Name	Value	Description
<AccountCatalog>	—	—
<AccountCatalog><Account	—	—
name="Sales"	—	—

Tag Name	Value	Description
id="1"	—	—
status="Active"	Can have one of the following values: ■ Active ■ Inactive	—
changePasswordOnNextLogin="True"	Can have one of the following values: ■ True ■ False	—
managedBy = "FileMaker"	Can have one of the following values: ■ FileMaker ■ External	—
emptyPassword="True"	Can have one of the following values: ■ True ■ False	Indicates if the account uses an empty password.
privilegeSet ="Set1" >	—	Indicates the privilege set assigned to this account.
<AccountCatalog><Account><Description>	—	—

PrivilegeSet Section

All nodes below start with <FMPReport><File><PrivilegeCatalog>

Tag Name	Value	Description
<PrivilegeSet	—	—
name="GuestUsers"	—	—
id="1"	—	—
printing="True"	Can have one of the following values: ■ True ■ False	—
exporting="True"	Can have one of the following values: ■ True ■ False	—
managedExtended="True"	Can have one of the following values: ■ True ■ False	—
overrideValidationWarning="True"	Can have one of the following values: ■ True ■ False	—

Tag Name	Value	Description
idleDisconnect="True"	Can have one of the following values: ■ True ■ False	—
menu="All"	Can have one of the following values: ■ All ■ EditOnly ■ Minimal	—
allowModifyPassword ="True"	Can have one of the following values: ■ True ■ False	—
passwordExpiry = "90"	—	Number of days before the password expires
passwordMinLength = "8"	—	—
comment ="Some description text">	—	—
<PrivilegeSet><Records	—	—
value="ViewOnly"	Can have one of the following values: ■ ViewOnly ■ CreateEdit ■ CreateEditDelete ■ NoAccess ■ Custom	—
<PrivilegeSet><Records><TableList>	—	TableList node will only exist, if <Records value> is "Custom"
<PrivilegeSet><Records><TableList><BaseTable	—	—
name="addressbook"	—	If name attribute is "[Any New Table]", then this node will refer to all newly created tables.
shadow="True"	Can have one of the following values: ■ True ■ False	Indicates whether or not this table is a shadow table.
id="123" >	—	—
<PrivilegeSet><Records><TableList><BaseTable> <DataSourceRef		A reference to the data source associated with this table. Only available if the "shadow" attribute of the parent BaseTable is "True".
name="..."	Any valid string.	The name of the data source (data source names are unique.)
catalogName="catalog"	Any valid string.	The name of the remote table's catalog in the ODBC data source.
schemaName="schema"	Any valid string.	The name of the remote table's schema in the ODBC data source.
tableName="table">	Any valid string.	The name of the remote table's table name in the ODBC data source.

Tag Name	Value	Description
<PrivilegeSet><Records><TableList><Table><View value="True">	Can have one of the following values: ■ True ■ False ■ Limited	—
<PrivilegeSet><Records><TableList><Table><View><Calculation><![CDATA[Calc String]]>	—	This node will only exist if <View value> is "Limited"
<PrivilegeSet><Records><TableList><Table><View><DisplayCalculation>	—	This node will only exist if <View value> is "Limited"
<PrivilegeSet><Records><TableList><Table><View><DisplayCalculation><Chunk type="NoRef">SomeText</Chunk>	Type can have one of the following values: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	—
<PrivilegeSet><Records><TableList><Table><Edit value="True">	Can have one of the following values: ■ True ■ False ■ Limited	—
<PrivilegeSet><Records><TableList><Table><Edit><Calculation><![CDATA[Calc String]]>	—	This node will only exist if <Edit value> is "Limited"
<PrivilegeSet><Records><TableList><Table><Edit><DisplayCalculation>	—	This node will only exist if <Edit value> is "Limited"
<PrivilegeSet><Records><TableList><Table><Edit><DisplayCalculation><Chunk type="NoRef">SomeText</Chunk>	Type can have one of the following values: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	—
<PrivilegeSet><Records><TableList><Table><Create value="True">	Can have one of the following values: ■ True ■ False	—
<PrivilegeSet><Records><TableList><Table><Delete value="True">	Can have one of the following values: ■ True ■ False ■ Limited	—
<PrivilegeSet><Records><TableList><Table><Delete><Calculation>	—	This node will only exist if <Delete value> is "Limited"
<PrivilegeSet><Records><TableList><Table><Delete><DisplayCalculation>	—	This node will only exist if <Delete value> is "Limited"

Tag Name	Value	Description
<PrivilegeSet><Records><TableList><Table><Delete><DisplayCalculation><Chunk type="NoRef"> SomeText</Chunk>	Type can have one of the following values: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	—
<PrivilegeSet><Records><TableList><Table><FieldAccess	—	—
value="Limited">	Can have one of the following values: ■ All ■ Limited ■ No Access	—
<PrivilegeSet><Records><TableList><Table><FieldAccess><FieldList>	—	This node will only exist if <FieldAccess value> is "Limited"
<PrivilegeSet><Records><TableList><Table><FieldAccess><FieldList><Field	—	—
name="f2" id = "2"	—	—
accessRestriction="Modifiable" >	Can have one of the following values: ■ Modifiable ■ ViewOnly ■ NoAccess	
<PrivilegeSet><Layouts	—	—
allowCreation="True"	Can have one of the following values: ■ True ■ False	—
value="Custom" >	Can have one of the following values: ■ Modifiable ■ ViewOnly ■ Custom	LayoutList node will only exist, if <Layouts value> is "Custom"
<PrivilegeSet><Layouts><LayoutList>	—	—
<PrivilegeSet><Layouts><LayoutList><Layout	—	—
name="MainLayout"	—	If name attribute is ["Any New Layout]", then this node will refer to all newly created Layouts.
id="221">	—	—
<PrivilegeSet><Layouts><LayoutList><Layout><LayoutAccess	—	—
value="Modifiable">	Can have one of the following values: ■ Modifiable ■ ViewOnly ■ NoAccess	—

Tag Name	Value	Description
<PrivilegeSet><Layouts><LayoutList><Layout><DataAccess	—	—
value="Modifiable">	Can have one of the following values: ■ Modifiable ■ ViewOnly ■ NoAccess	—
<PrivilegeSet><ValueLists	—	—
allowCreation="True"	Can have one of the following values: ■ True ■ False	—
value="Custom" >	Can have one of the following values: ■ Modifiable ■ ViewOnly ■ Custom	ValueListList node will only exist, if <ValueLists value> is "Custom"
<PrivilegeSet><ValueLists><ValueListList>	—	—
<PrivilegeSet><ValueLists><ValueListList><ValueList	—	—
name="Addresses"	—	If name attribute is "[Any New Value List]", then this node will refer to all newly created ValueLists.
id="23" >	—	—
<PrivilegeSet><ValueLists><ValueListList><ValueList><Access	—	—
value="Modifiable">	Can have one of the following values: ■ Modifiable ■ ViewOnly ■ NoAccess	—
<PrivilegeSet><Scripts	—	—
allowCreation="True"	Can have one of the following values: ■ True ■ False	—
value="Custom" >	Can have one of the following values: ■ Modifiable ■ ExecutableOnly ■ NoAccess	ScriptList node will only exist, if <Scripts value> is "Custom"
<PrivilegeSet><Scripts><ScriptList>	—	—
<PrivilegeSet><Scripts><ScriptList><Script	—	—
name="MainScript"	—	If name attribute is "[Any New Script]", then this node will refer to all newly created Scripts.
id="221"	—	—

Tag Name	Value	Description
runFullAccess="True" >	Can have one of the following values: ■ True ■ False	—
<PrivilegeSet><Scripts><ScriptList><Script><Access	—	—
value="Modifiable" >	Can have one of the following values: ■ Modifiable ■ ExecutableOnly ■ NoAccess	—

ExtendedPrivilege Section

All nodes below start with <FMPReport><File><ExtendedPrivilegeCatalog>

Tag Name	Value	Description
<ExtendedPrivilege	—	—
name = "fmxml"	—	—
id="1"	—	—
comment = "place comment here" >	—	—
<ExtendedPrivilege><PrivilegeSetList>	—	<PrivilegeSetList> node exists when the current extended privilege is used by other privilege sets.
<ExtendedPrivilege><PrivilegeSetList><PrivilegeSet	—	—
name = "Guest"	—	<PrivilegeSet name> contains a valid privilege set for the current file.
id="123" >	—	—

Authorized Files Section

All nodes below start with <FMPReport><File>

Tag Name	Value	Description
<AuthFileCatalog>	—	—
requireAuthorization	Can have one of the following values: ■ True ■ False	Whether external files can reference this file without authorization.
restrictOldVersions	Can have one of the following values: ■ True ■ False	If true, version prior to v11 will not be able to open or access the file.
<AuthFileCatalog><Inbound>	—	—
<AuthFileCatalog><Inbound><InboundAuthorization	—	—
filesnames = "file1 ; file2"	string of authorized filenames	The filename(s) of the authorized inbound files.
user = "Admin"	string - name of admin user	The identify of the Full Access user account that created the authorization.
date = "7/30/2010 4:15:32 PM"	string - timestamp	The timestamp when the authorization was created.
id = "1">	—	Internal id value.
<AuthFileCatalog><Outbound>	—	—
<AuthFileCatalog><Outbound><OutboundAuthorization	—	—

Tag Name	Value	Description
filesnames = "protected_file"	string of authorized filenames	The filename of the protected file this file is authorized to access.
user = "Admin"	string - name of admin user	The identify of the Full Access user account that created the authorization.
date = "7/30/2010 4:15:32 PM"	string - timestamp	The timestamp when the authorization was created.
id = "1">	—	Internal id value.

Custom Menu Set Section

All nodes below start with <FMPReport><File>

Tag Name	Value	Description
<CustomMenuSetCatalog>	—	—
<CustomMenuSetCatalog><CustomMenuSet	—	Custom menu set XML element.
name="Menu Set 1"		Unique name for the menu set.
id="1">	—	Identifier indicating creation order.
<CustomMenuSetCatalog<CustomMenuSet> <CustomMenuList>	—	—
<CustomMenuSetCatalog<CustomMenuSet> <CustomMenuList><CustomMenu	—	—
name="Custom menu"	—	—
id="1">	—	—
<CustomMenuSetCatalog<CustomMenuSet><Comment>	—	—

Custom Menu Section

All nodes below start with <FMPReport><File>

Tag Name	Value	Description
<CustomMenuCatalog>	—	—
<CustomMenuCatalog><CustomMenu	—	Custom menu XML element.
name="Menu Name"	—	Unique name for the menu.
id="1">	—	Identifier indicating creation order.
<CustomMenuCatalog<CustomMenu><BaseMenu	—	—
name="Menu Name"	—	—
value="1">	—	—
<CustomMenuCatalog<CustomMenu><Options	—	—
findMode="True"	Can have the following values: ■ True ■ False	Indicates if the custom menu is applicable in Find mode.
browseMode="True"	Can have the following values: ■ True ■ False	Indicates if the custom menu is applicable in Browse mode.
previewMode="True"	Can have the following values: ■ True ■ False	Indicates if the custom menu is applicable in Preview mode.
macPlatform="True"	Can have the following values: ■ True ■ False	Indicates if the custom menu is applicable for the Mac platform.
winPlatform="False"	Can have the following values: ■ True ■ False	Indicates if the custom menu is applicable for the Windows platform.
overrideName="False">	Can have the following values: ■ True ■ False	Indicates if the custom menu's name property is overridden.
<CustomMenuCatalog<CustomMenu><Title>		XML node containing the Title calculation of a custom menu.
<CustomMenuCatalog<CustomMenu><Title><Calculation>	—	—
<CustomMenuCatalog<CustomMenu><Title><DisplayCalculation>	—	—
<CustomMenuCatalog<CustomMenu><Comment>	—	XML node containing the comment of a custom menu.
<CustomMenuCatalog><CustomMenu><MenuItemList>	—	—

Tag Name	Value	Description
<CustomMenuCatalog><CustomMenu><MenuItemList><MenuItem	—	—
macPlatform="True"	Can have the following values: ■ True ■ False	Indicates if the MenuItem is applicable to the Mac platform.
winPlatform="True"	Can have the following values: ■ True ■ False	Indicates if the MenuItem is applicable to the Mac platform.
overrideName="False"	Can have the following values: ■ True ■ False	Indicates if the MenuItem's name property is overridden.
isSubMenuItem="True"	Can have the following values: ■ True ■ False	Indicates if the MenuItem is a sub-menu.
specifyScript="False"	Can have the following values: ■ True ■ False	Indicates if the MenuItem has uses a script to specify an action.
overrideAction="False"	Can have the following values: ■ True ■ False	Indicates if the MenuItem's action is overridden. It's just a flag to indicate if the internal script step of the menu item is applicable or not. Note, this is different then the enable attribute of a script step which indicates if the step is enabled/disabled. For custom menu, the script step is always enabled.
isSeparatorItem="False"	Can have the following values: ■ True ■ False	Indicates if the MenuItem is a separator.
overrideShortcut="False">	Can have the following values: ■ True ■ False	Indicates if the MenuItem's shortcut should be overridden.
<CustomMenuCatalog><CustomMenu><MenuItemList><MenuItem><CustomMenu	—	CustomMenu XML node. This XML node exists if the MenuItem is a sub-menu.
name="CustomMenu"	—	—
id="1">	—	—
<CustomMenuCatalog><CustomMenu><MenuItemList><MenuItem><Command	—	XML node indicating the FileMaker's menu command id and string if the MenuItem is based on an existing menu command.
name="File Open"		
id="1234">		
<CustomMenuCatalog><CustomMenu><MenuItemList><MenuItem><Name>	—	Exists if overrideName is True.

Tag Name	Value	Description
<CustomMenuCatalog><CustomMenu><MenuItemList><MenuItem><Name><Calculation>	—	—
<CustomMenuCatalog><CustomMenu><MenuItemList><MenuItem><Name><DisplayCalculation>	—	—
<CustomMenuCatalog><CustomMenu><MenuItemList><MenuItem><Shortcut	—	—
modifier="1"	—	Flags indicating the modifier keys.
key="78">	—	Unicode value of the shortcut key. Special keys are mapped to the User Private Space of 0xe000+ range.
<CustomMenuCatalog><Menu><MenuItemList><MenuItem><Step>	—	The action of the menu item. This Step node is always reported. The overrideAction attribute will determine if this node is applicable or not.

Custom Function Section

All nodes below start with <FMPReport><File>

Tag Name	Value	Description
<CustomFunctionCatalog>	—	—
<CustomFunctionCatalog><CustomFunction	—	—
name="SalesTax"	—	—
id="1"	—	—
parameters="p1;p2;p3"	—	—
visible="True" >	Can have one of the following values: ■ True ■ False	If True, the custom function will then be listed in the Calculation Dialog under the function list.
functionArity="n"	0 or N, where N is positive integer	represents number of parameters for given custom function, 0 or more, can't be negative
<CustomFunctionCatalog><CustomFunction><DisplayCalculation>	—	—
<CustomFunctionCatalog><CustomFunction><DisplayCalculation> <Chunk type="NoRef"> SomeText</Chunk>	Type can have one of the following values: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	—
<CustomFunctionCatalog><CustomFunction><Calculation>	—	This is the body of the custom function which is a calculation.

Script Section

All nodes below start with <FMPReport><File>

Tag Name	Value	Description
<ScriptCatalog>	—	—
<ScriptCatalog><Group	—	A collection of scripts and/or other groups
name="some_group"	—	—
id="1"	—	—
groupCollapsed="True"	Can have one of the following values: ■ True ■ False	Indicates whether or not this group is collapsed in the UI.
includeInMenu="True">	Can have one of the following values: ■ True ■ False	—
<ScriptCatalog></Group>		
<ScriptCatalog><Script		May be contained in a group
name="MainScript"	—	—
id="122"	—	—
runFullAccess="True"	Can have one of the following values: ■ True ■ False	—
includeInMenu="True" >	Can have one of the following values: ■ True ■ False	—
<ScriptCatalog><Script><StepList>	—	—

Individual Steps are listed under <StepList>. The following table shows the XML grammar per script step.

Notes:

1. Many script steps below have options/attributes which are only applicable if certain other options/attributes are enabled or set to a certain value. Examples of this are:
   - find requests for the 'Perform Find' script step (only applicable if 'Specify find requests' checkbox is checked)
   - file, calculation, or text for the 'Send Event' script step (only applicable if radio button is set to file, calculation or text respectively)

   For the sake of discussion, let us call the former 'conditional' options/attributes and the latter 'enabling/determining' options/attributes. Though only applicable when the corresponding 'enabling/determining' option/attribute is appropriately set, once specified, 'conditional' options/attributes may very well be retained even after the 'enabling/determining' option/attribute is changed in such a way that the 'conditional' option/attributes are no longer applicable. This is done for the sake of convenience so that if/when the user ever

changes their mind and switches the 'enabling/determining' option/attribute back, so that the 'conditional' options/attributes are once again applicable, the last entered/chosen values for these 'conditional' options/attributes will still be present.

For example, in the case of a 'Perform Find' script step, previously specified find requests will be retained, even though the user may uncheck the 'Specify find requests' checkbox, so that, in case they decide to re-enable it, the last entered find will still be present, for the sake of convenience. Similarly, in the case of the 'Send Event' script step, a previously specified calculation will be retained, even though the user may switch to specifying a file, so that, in case they decide to switch back to a calculation, the last entered calculation will still be present, again for the sake of convenience.

As the last entered/chosen values of such currently inapplicable 'conditional' options/attributes are actually stored in the script step itself, corresponding XML for them is therefore generated when a DDR is performed. The fact that such options/attributes are reported should not therefore be construed as somehow implying they are applicable. Their applicability can/should be determined by checking the XML setting reported by the DDR for the corresponding 'enabling/determining' option/attribute.

2. All script steps below contain the element <StepText> and many contain instances of the element <DisplayCalculation>. Both of these elements contain redundant information that only serves to make DDR reports (in particular, HTML ones) more readable.

Area	Name	XMLGrammar	XMLValues	XMLDescription
Control	Perform Script [file name, script]	<Step name="Perform Script" id="1" enable="True"> <StepText>Script step text</StepText> <CurrentScript value="Halt"/> <FileReference name={name} id="1"> <UniversalPathList> {PathList}</UniversalPathList> </FileReference> <Script name="EndOfYear" id="1"/> </Step>	<CurrentScript value> when specified for a button can be: ■ Halt ■ Exit ■ Pause ■ Resume <Chunk type> can be: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	<FileReference> is only required for external scripts. {PathList} can consist of multiple absolute or relative paths, the first valid one of which is used at execution time.
Control	Pause/ Resume Script	<Step name="Pause/Resume Script" id="62" enable="True"> <StepText>Script step text</StepText> <PauseTime value="Indefinitely"/> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[120]]> </Calculation> </Step>	<PauseTime value> can be: ■ Indefinitely ■ ForDuration <Chunk type> can be: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	<Calculation> node exists when <PauseTime value> is "ForDuration".
Control	Exit Script	<Step id="103" name="Exit Script" enable="True"> <StepText>Script step text</StepText> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[CalcString]]> </Calculation> </Step>	—	—
Control	Halt Script	<Step id="90" name="Halt Script" enable="True"> <StepText>Script step text</StepText> </Step>	—	—
Control	If	<Step name="If" id="68" enable="True"> <StepText>Script step text</StepText> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[CalcString]]> </Calculation> </Step>	<Chunk type> can be: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	—
Control	Else	<Step id="69" name="Else" enable="True"> <StepText>Script step text</StepText> </Step>	—	—

Area	Name	XMLGrammar	XMLValues	XMLDescription
Control	End If	<Step id="70" name="End If" enable="True"> <StepText>Script step text</StepText> </Step>	—	—
Control	Loop	<Step id="71" name="Loop" enable="True"> <StepText>Script step text</StepText> </Step>	—	—
Control	Exit Loop If	<Step id="72" name="Exit Loop If" enable="True"> <StepText>Script step text</StepText> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[CalcString]]> </Calculation> </Step>	<Chunk type> can be: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	—
Control	End Loop	<Step id="73" name="End Loop" enable="True"> <StepText>Script step text</StepText> </Step>	—	—
Control	Allow User Abort	<Step id="85" name="Allow User Abort" enable="True"> <StepText>Script step text</StepText> <Set state="True"/> </Step>	<Set state> can be: ■ True ■ False	—
Control	Set Error Capture	<Step id="86" name="Set Error Capture" enable="True"> <StepText>Script step text</StepText> <Set state="True"/> </Step>	<Set state> can be: ■ True ■ False	—
Navigation	Go to Layout	<Step id="6" name="Go to Layout" enable="True"> <StepText>Script step text</StepText> <LayoutDestination value="SelectedLayout"/> <Layout name="LayoutName" id="1"/> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[CalcString]]> </Calculation> </Layout> </Step>	<LayoutDestination value> can be: ■ OriginalLayout ■ LayoutNameByCalc ■ LayoutNumberByCalc ■ SelectedLayout <Chunk type> can be: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	<Layout> element is only output if <LayoutLocation value> is not "OriginalLayout". <Calculation> element is only output if <LayoutDestination value> is "LayoutNameByCalc" or "LayoutNumberByCalc". <Layout id> is required in case there is more than one layout with the same name.

Area	Name	XMLGrammar	XMLValues	XMLDescription
Navigation	Go to Record/ Request/Page	<Step id="16" name="Go to Record/Request/Page" enable="True"> <StepText>Script step text</StepText> <NoInteract state="True"/> <Exit state="False"/> <RowPageLocation value="ByCalculation"/> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[CalcString]]> </Calculation> </Step>	<NoInteract state> can be: ■ True ■ False <Exit state> can be: ■ True ■ False <RowPageLocation value> can be: ■ First ■ Last ■ Previous ■ Next ■ ByCalculation <Chunk type> can be: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	<NoInteract> and <Calculation> nodes are present when <RowPageLocation value> attribute is "ByCalculation". <Exit> element is only present when <RowPageLocation value> is "Next" or "Previous". <Exit state> indicates whether script execution should be terminated if there is no next/previous record/request/page (i.e. if the current record/request/page is the last/first one).

Area	Name	XMLGrammar	XMLValues	XMLDescription
Navigation	Go to Related Record	<Step id="74" name="Go to Related Record" enable="True"> <StepText>Script step text</StepText> <Option state="true"/> <ShowInNewWindow state="true"/> <Restore state="true"/> <MatchAllRecords state="true"/> <Table name={TableName} id={id value}/> <LayoutDestination value="SelectedLayout"/> <Layout name={LayoutName} id={id value}/> <Name> <Calculation><![CDATA[CalcString]]> </Calculation> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> </Name> <Height> <Calculation><![CDATA[CalcString]]> </Calculation> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> </Height> <Width> <Calculation><![CDATA[CalcString]]> </Calculation> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> </Width> <DistanceFromTop> <Calculation><![CDATA[CalcString]]> </Calculation> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> </DistanceFromTop> <DistanceFromLeft> <Calculation><![CDATA[1221]]></Calculation> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> </DistanceFromLeft> </Step>	<Option state> can be: ■ True ■ False <ShowInNewWindow state> can be: ■ True ■ False <Restore state> can be: ■ True ■ False <MatchAllRecords state> can be: ■ True ■ False <LayoutDestination value> can be: ■ CurrentLayout ■ LayoutNameByCalc ■ LayoutNumberByCalc ■ SelectedLayout <Chunk type> can be: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	<Option> is used to denote state of "Use external table's layout" checkbox. <Restore> element is used to denote state of "Show all related records in new found set" checkbox. <Layout> element is only output if <LayoutLocation value> is not "CurrentLayout" <Calculation> element is only output if <LayoutDestination value> is "LayoutNameByCalc" or "LayoutNumberByCalc".

Area	Name	XMLGrammar	XMLValues	XMLDescription
Navigation	Go to Portal Row	<Step id="99" name="Go to Portal Row" enable="True"> <StepText>Script step text</StepText> <NoInteract state="True"/> <SelectAll state="False"/> <Exit state="False"/> <RowPageLocation value="ByCalculation"/> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[CalcString]]> </Calculation> </Step>	<NoInteract state> can be: ■ True ■ False <SelectAll state> can be: ■ True ■ False <Exit state> can be: ■ True ■ False <RowPageLocation value> can be: ■ First ■ Last ■ Previous ■ Next ■ ByCalculation <Chunk type> can be: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	<NoInteract> and <Calculation> nodes are present when <RowPageLocation value> attribute is "ByCalculation". <Exit> element is only present when <RowPageLocation value> is "Next" or "Previous". <Exit state> indicates whether script execution should be terminated if there is no next/previous row in the portal (i.e. if the current row is the last/first one in the portal).
Navigation	Go To Field	<Step id="17" name="Go to Field" enable="True"> <StepText>Script step text</StepText> <SelectAll state="True"/> <Field name="FieldName" id="2" table="TableName"/> <Repetition> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA["Value"]]> </Calculation> </Repetition> </Step>	■ True ■ False	—
Navigation	Go To Next Field	<Step id="4" name="Go to Next Field" enable="True"> <StepText>Script step text</StepText> </Step>	—	—
Navigation	Go To Previous Field	<Step id="5" name="Go to Previous Field" enable="True"> <StepText>Script step text</StepText> </Step>	—	—
Navigation	Enter Browse Mode	<Step id="55" name="Enter Browse Mode" enable="True"> <StepText>Script step text</StepText> <Pause state="True"/> </Step>	<Pause state> can be: ■ True ■ False	—

Area	Name	XMLGrammar	XMLValues	XMLDescription
Navigation	Enter Find Mode	<Step id="22" name="Enter Find Mode" enable="True"> <StepText>Script step text</StepText> <Pause state="True"/> {See Perform Find for remaining XML} <Step>	<Pause state> can be: ■ True ■ False See Perform Find for remaining details.	See Perform Find.
Navigation	Enter Preview Mode	<Step id="41" name="Enter Preview Mode" enable="True"> <StepText>Script step text</StepText> <Pause state="True"/> </Step>	<Pause state> can be: ■ True ■ False	—
Found Sets	Sort Records	<Step id="39" name="Sort Records" enable="True"> <StepText>Script step text</StepText> <NoInteract state="False"/> <Restore state="True"/> <SortList> <Sort type="Descending"> <PrimaryField> <Field name="f1" id="1" table="test123"/> </PrimaryField> </Sort> <Sort type="Ascending"> <PrimaryField> <Field name="f4" id="2" table="test123"/> </PrimaryField> <SummaryField> <Field name="summary" id="3" table="test123"/> </SummaryField> <OverrideLanguage language="Japanese"/> </Sort> <Sort type="Custom"> <PrimaryField> <Field name="f5" id="4" table="test123"/> </PrimaryField> <ValueList name="New Value List" id="1"/> </Sort> </SortList> </Step>	<NoInteract state> can be: ■ True ■ False <Restore state> can be: ■ True ■ False <Sort type> can be: ■ Ascending ■ Descending ■ Custom <OverrideLanguage language> can be: ■ English ■ Japanese ■ ...	<ValueList> node exists if <Sort type> is Custom <SummaryField> and <OverrideLanguage> sub-nodes are optional.
Found Sets	Unsort Records	<Step id="21" name="Unsort Records" enable="True"> <StepText>Script step text</StepText> </Step>	—	—
Found Sets	Show All Records	<Step id="23" name="Show All Records" enable="True"> <StepText>Script step text</StepText> </Step>	—	—
Found Sets	Show Omitted Only	<Step id="27" name="Show Omitted Only" enable="True"> <StepText>Script step text</StepText> </Step>	—	—
Found Sets	Omit Record	<Step id="25" name="Omit Record" enable="True"> <StepText>Script step text</StepText> </Step>	—	—

Area	Name	XMLGrammar	XMLValues	XMLDescription
Found Sets	Omit Multiple Records	<Step id="26" name="Omit Multiple Records" enable="True"> <StepText>Script step text</StepText> <NoInteract state="True"/> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[CalcString]]> </Calculation> </Step>	<NoInteract state> can be: ■ True ■ False <Chunk type> can be: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	—
Found Sets	Perform Find	<Step id="28" name="Perform Find" enable="True"> <StepText>Script step text</StepText> <Restore state="True"/> <Query table="test123"> <RequestRow operation="Include"> <Criteria> <Text>> 11</Text> <Field name="f2" id="2" repetition="2" table="test123"/> </Criteria> <Criteria> <Text>< 23</Text> <Field name="f3" id="2" repetition="2" table="test123"/> </Criteria> </RequestRow> <RequestRow operation="Exclude"> <Criteria> <Text>> "wow"</Text> <Field name="f3" id="2" repetition="2" table="test123"/> </Criteria> <Criteria> <Text>> test</Text> <Field name="f4" id="2" repetition="2" table="test123"/> </Criteria> <Criteria> <Text>> "hello there </Text> <Field name="f5" id="2" repetition="2" table="test123"/> </Criteria> </RequestRow> </Query> </Step>	<Restore state> can be: ■ True ■ False <RequestRow operation> can be: ■ Include ■ Exclude	Query node can have 1 or more RequestRow sub-nodes. Each RequestRow node can in turn have 1 or more Criteria sub-nodes. <Text> contains the actual criteria itself that will be applied to <Field>. <Field repetition> is only output if > 1.

Area	Name	XMLGrammar	XMLValues	XMLDescription
Found Sets	Perform Quick Find	<Step enable="True" id="150" name="Perform Quick Find"> <StepText>Script step text</StepText> <Calculation> <! [CDATA["Value"]] > </Calculation> <DisplayCalculation> <Chunk type="NoRef">"Value"</Chunk> </DisplayCalculation> </Step>	—	—
Found Sets	Modify Last Find	<Step id="24" name="Modify Last Find" enable="True"> <StepText>Script step text</StepText> </Step>	—	—
Sort/Find/Print	Print Setup	<Step id="42" name="Print Setup" enable="True"> <StepText>Script step text</StepText> <NoInteract state="False"/> <Restore state="true"> <PageFormat PaperTop="0" PaperLeft="0" PaperBottom="3300" PaperRight="2550" PrintableWidth="3150" PrintableHeight="2250" ScaleFactor="1" PageOrientation="Portrait"> <PlatformData PlatformType={PlatformType}> <![CDATA[{Flattened Windows/Mac specific settings}]]> </PlatformData> </Format> </Step>	<NoInteract state> can be: ■ True ■ False <Restore state> can be: ■ True ■ False <PageFormat PageOrientation> can be: ■ Portrait ■ ReversePortrait ■ Landscape ■ ReverseLandscape	—

Area	Name	XMLGrammar	XMLValues	XMLDescription
Sort/Find/Print	Print	<Step id="43" name="Print" enable="True"> <StepText>Script step text</StepText> <NoInteract state="True"/> <Restore state="true"> <PrintSettings PrintType="BrowsedRecords" NumCopies="1" collated="True" AllPages="False" FromPage="1" ToPage="5" PrintToFile="False" PageNumberingOffset="1"> <PlatformData PlatformType={PlatformType}> <![CDATA[{Flattened Windows/Mac specific settings}]]> </PlatformData> </PrintSettings> </Step>	<NoInteract state> can be: ■ True ■ False <Restore state> can be: ■ True ■ False <PrintSettings PrintType> can be: ■ BrowsedRecords ■ CurrentRecord ■ BlankAsFormatted ■ BlankBoxed ■ BlankUnderscore <PrintSettings collated> can be: ■ True ■ False <PrintSettings AllPages> can be: ■ True ■ False <PrintSettings PrintToFile> can be: ■ True ■ False See Print Setup for details on PageFormat element.	—
Editing	Undo/Redo	<Step id="45" name="Undo/Redo" enable="True"> <StepText>Script step text</StepText> <UndoRedo value="Toggle"/> </Step>	<UndoRedo value> can be: ■ Undo ■ Redo ■ Toggle	—
Editing	Cut	<Step id="46" name="Cut" enable="True"> <StepText>Script step text</StepText> <SelectAll state="True"/> <Field name="f3" id="2" table="test"/> <Repetition> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA["Value"]]> </Calculation> </Repetition> </Step>	<SelectAll state> can be: ■ True ■ False	—

Area	Name	XMLGrammar	XMLValues	XMLDescription
Editing	Copy	<Step id="47" name="Copy" enable="True"> <StepText>Script step text</StepText> <SelectAll state="True"/> <Field name="f3" id="2" table="test"/> <Repetition> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA["Value"]]> </Calculation> </Repetition> </Step>	<SelectAll state> can be: ■ True ■ False	—
Editing	Paste	<Step id="48" name="Paste" enable="True"> <StepText>Script step text</StepText> <NoStyle state="True"/> <SelectAll state="True"/> <LinkAvail state="True"/> <Field name="f3" id="2" table="test"/> <Repetition> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA["Value"]]> </Calculation> </Repetition> </Step>	<NoStyle state> can be: ■ True ■ False <SelectAll state> can be: ■ True ■ False <LinkAvail state> can be: ■ True ■ False	—
Editing	Clear	<Step id="49" name="Clear" enable="True"> <StepText>Script step text</StepText> <SelectAll state="True"/> <Field name="f4" id="2" table="test"/> <Repetition> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA["Value"]]> </Calculation> </Repetition> </Step>	<SelectAll state> can be: ■ True ■ False	—
Editing	Select All	<Step id="50" name="Select All" enable="True"> <StepText>Script step text</StepText> </Step>	—	—

Area	Name	XMLGrammar	XMLValues	XMLDescription
Fields	Set Field	<Step id="76" name="Set Field" enable="True"> <StepText>Script step text</StepText> <Field name="f1" id="2" table="test"/> <Repetition> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA["Value"]]> </Calculation> </Repetition> </Step>	<Chunk type> can be: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	—
Fields	Insert Text	<Step id="61" name="Insert Text" enable="True"> <StepText>Script step text</StepText> <SelectAll state="True"/> <Text>"Text to insert"</Text> <Field name="f1" id="2" table="test"/> <Repetition> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA["Value"]]> </Calculation> </Repetition> </Step>	<SelectAll state> can be: ■ True ■ False	—
Fields	Insert Calculated Result	<Step id="77" name="Insert Calculated Result" enable="True"> <StepText>Script step text</StepText> <SelectAll state="True"/> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[CalcString]]> </Calculation> <Field name="f1" id="2" table="test"/> <Repetition> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA["Value"]]> </Calculation> </Repetition> </Step>	<SelectAll state> can be: ■ True ■ False <Chunk type> can be: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	—

Area	Name	XMLGrammar	XMLValues	XMLDescription
Fields	Insert from Index	<Step id="11" name="Insert from Index" enable="True"> <StepText>Script step text</StepText> <SelectAll state="True"/> <Field name="f2" id="2" table="test"/> <Repetition> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA["Value"]]> </Calculation> </Repetition> </Step>	<SelectAll state> can be: ■ True ■ False	—
Fields	Insert from Last Visited	<Step id="12" name="Insert from Last Visited" enable="True"> <StepText>Script step text</StepText> <SelectAll state="True"/> <Field name="f3" id="2" table="test"/> <Repetition> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA["Value"]]> </Calculation> </Repetition> </Step>	<SelectAll state> can be: ■ True ■ False	—
Fields	Insert Current Date	<Step id="13" name="Insert Current Date" enable="True"> <StepText>Script step text</StepText> <SelectAll state="True"/> <Field name="f3" id="2" table="test"/> <Repetition> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA["Value"]]> </Calculation> </Repetition> </Step>	<SelectAll state> can be: ■ True ■ False	—

Area	Name	XMLGrammar	XMLValues	XMLDescription
Fields	Insert Current Time	<Step id="14" name="Insert Current Time" enable="True"> <StepText>Script step text</StepText> <SelectAll state="True"/> <Field name="f4" id="2" table="test"/> <Repetition> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA["Value"]]> </Calculation> </Repetition> </Step>	<SelectAll state> can be: ■ True ■ False	—
Fields	Insert Current User Name	<Step id="60" name="Insert Current User Name" enable="True"> <StepText>Script step text</StepText> <SelectAll state="True"/> <Field name="f4" id="2" table="test"/> <Repetition> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA["Value"]]> </Calculation> </Repetition> </Step>	<SelectAll state> can be: ■ True ■ False	—
Fields	Insert Picture	<Step id="56" name="Insert Picture" enable="True"> <StepText>Script step text</StepText> <UniversalPathList type="Reference"> {PathList}</UniversalPathList> </Step>	<UniversalPathList type> can be: ■ Reference ■ Embedded	{PathList} can consist of multiple absolute or relative paths, the first valid one of which is used at execution time.
Fields	Insert QuickTime	<Step id="59" name="Insert QuickTime" enable="True"> <StepText>Script step text</StepText> <UniversalPathList> {PathList}</UniversalPathList> </Step>	—	{PathList} can consist of multiple absolute or relative paths, the first valid one of which is used at execution time.

Area	Name	XMLGrammar	XMLValues	XMLDescription
Fields	Insert Object	<Step id="78" name="Insert Object" enable="True"> <StepText>Script step text</StepText> <Set state="True"/> <UniversalPathList> {PathList}</UniversalPathList> <OLEData> <![CDATA[{OLE data}]]> </OLEData> <ObjectType>{Object Type}</ObjectType> </Step>	<Set state> can be: ■ True ■ False	<UniversalPath> is only present if the inserted object is of type "Create from File". **Note** Although it makes sense for the <UniversalPathList reference> attribute to be supported for this script step, the setting of the 'Link' checkbox in the Insert Object dialog is actually stored in the OLEData element's CDATA, despite the fact that the file chosen via this dialog is not (since it is stored in the <UniversalPathList> element).
Fields	Update Link	<Step id="96" name="Update Link" enable="True"> <StepText>Script step text</StepText> <Field name="f2" id="2" table="test"/> <Repetition> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA["Value"]]> </Calculation> </Repetition> </Step>	—	—
Records	New Record/ Request	<Step id="7" name="New Record/Request" enable="True"> <StepText>Script step text</StepText> </Step>	—	—
Records	Duplicate Record/ Request	<Step id="8" name="Duplicate Record/Request" enable="True"> <StepText>Script step text</StepText> </Step>	—	—
Records	Delete Record/ Request	<Step id="9" name="Delete Record/Request" enable="True"> <StepText>Script step text</StepText> <NoInteract state="True"/> </Step>	<NoInteract state> can be: ■ True ■ False	—
Records	Delete Portal/Row	<Step id="104" name="Delete Portal Row" enable="True"> <StepText>Script step text</StepText> <NoInteract state="True"/> </Step>	<NoInteract state> can be: ■ True ■ False	—

Area	Name	XMLGrammar	XMLValues	XMLDescription
Records	Revert Record/ Request	<Step id="51" name="Revert Record/Request" enable="True"> <StepText>Script step text</StepText> <NoInteract state="True"/> </Step>	<NoInteract state> can be: ■ True ■ False	—
Records	Commit Records/ Requests	<Step id="75" name="Commit Records/Requests" enable="True"> <StepText>Script step text</StepText> <NoInteract state="True"/> <Option state="true"/> </Step>	<NoInteract state> can be: ■ True ■ False <Option state> can be: ■ True ■ False	—
Records	Copy Record	<Step id="101" name="Copy Record/Request" enable="True"> <StepText>Script step text</StepText> </Step>	—	—
Records	Copy All Records	<Step id="98" name="Copy All Records/Requests" enable="True"> <StepText>Script step text</StepText> </Step>	—	—
Records	Delete All Records	<Step id="10" name="Delete All Records" enable="True"> <StepText>Script step text</StepText> <NoInteract state="True"/> </Step>	<NoInteract state> can be: ■ True ■ False	—

Area	Name	XMLGrammar	XMLValues	XMLDescription
Fields	Replace Field Contents *(continued on next page)*	<Step id="91" name="Replace Field Contents" enable="True"> <StepText>Script step text</StepText> <NoInteract state="True"/> <With value="None"> </Step> <Step id="91" name="Replace Field Contents" enable="True"> <StepText>Script step text</StepText> <NoInteract state="True"/> <With value="CurrentContents"> <Field name="f3" id="2" table="test"/> <Repetition> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA["Value"]]> </Calculation> </Repetition> </Step> <Step id="91" name="Replace Field Contents" enable="True"> <StepText>Script step text</StepText> <NoInteract state="True"/> <With value="SerialNumbers"> <SerialNumbers UseEntryOptions="False" InitialValue="0" Increment="1" UpdateEntryOptions="False"/> <Field name="f3" id="2" table="test"/> <Repetition> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA["Value"]]> </Calculation> </Repetition> </Step>	<NoInteract state> can be: ■ True ■ False <With value> can be: ■ None ■ CurrentContents ■ SerialNumbers ■ Calculation <SerialNumbers UseEntryOptions> can be: ■ True ■ False <SerialNumbers UpdateEntryOptions> can be: ■ True ■ False <Chunk type> can be: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	<With value> reflects the user's choice of what to replace the specified fields contents with. <SerialNumbers> is present when <With value> is "SerialNumbers". <SerialNumbers InitialValue> and <SerialNumbers Increment> can optionally be used to control serial number generation. <Calculation> is present when <With value> is "Calculation".

Area	Name	XMLGrammar	XMLValues	XMLDescription
Fields	Replace Field Contents *(continued from previous page)*	<Step id="91" name="Replace Field Contents" enable="True"> <StepText>Script step text</StepText> <NoInteract state="True"/> <With value="Calculation"> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[Abs (f3)]]> </Calculation> <Field name="f3" id="2" table="test"/> <Repetition> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA["Value"]]> </Calculation> </Repetition> </Step>		
Fields	Relookup Field Contents	<Step id="40" name="Relookup Field Contents" enable="True"> <StepText>Script step text</StepText> <NoInteract state="True"/> <Field name="f2" id="2" table="test"/> <Repetition> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA["Value"]]> </Calculation> </Repetition> </Step>	<NoInteract state> can be: ■ True ■ False	—

Area	Name	XMLGrammar	XMLValues	XMLDescription
Records	Import Records	<Step id="35" name="Import Records" enable="True"> <StepText>Script step text</StepText> <NoInteract state="True"/> <NotWinStep state="True"/> <Restore state="True"/> <DataSourceType value="File"/> {for Excel file data source (specified in <UniversalPathList>) : <Profile DataType="XLS " FirstRowIsData="True" SelectedSheet={sheet} WorksheetName={SheetName}> } {for non-Excel file data source (specified in <UniversalPathList>) : <Profile DataType={DataType} FirstRowIsData="True"/> } {for folder data source (specified in <UniversalPathList>) : <Profile DataType="BTCH" FirstRowIsData="True IncludeEnclosedFolders="True" PictureAndMovieImport="True" ImportByReference="True"/> </Profile> } {for image capture data source : <Profile DataType="IMGC" FirstRowIsData="True" DeviceName={DeviceName} DownloadType="AllImages" NumImagesToImport="1" ImportByReference="True" DownloadLocation="PicturesFolder" CustomFolderName={CustomFolderName} ThumbNailSize="LargeThumbnail"/> } {for Bento data source : <Profile DataType="BENT" FirstRowIsData="False" SelectedBentoLib={LibID} SelectedBentoLibName={LibName} SelectedBentoTable={TableID} SelectedBentoTableName={TableName} SelectedTableIsCollection={collection} }	<NoInteract state> can be: ■ True ■ False <NotWinStep state> can be: ■ True ■ False <Restore state> can be: ■ True ■ False <DataSourceType value> can be: ■ File ■ Folder ■ DigitalCamera ■ BentoSource ■ XMLSource ■ ODBCSource <Profile FirstRowIsData> can be: ■ True ■ False <Profile ImportByReference> can be: ■ True ■ False <Profile IncludeEnclosedFolders> can be: ■ True ■ False <Profile PictureAndMovieImport> can be: ■ True ■ False <Profile DownloadType> can be: ■ AllImages ■ SomeImages ■ LastXImages <collection> can be: ■ True ■ False <Profile DownloadLocation> can be: ■ PicturesFolder ■ CustomFolder <Profile ThumbnailSize> can be: ■ LargeThumbnail ■ MediumThumbnail ■ SmallThumbnail	<AddRemainingRecords> is only meaningful when method value is "UpdateOnMatch". <TargetFields> contains a list of all fields in the destination table. Entries that are blank are represented by an empty field node </Field>. <XMLFile> is only present if <Profile XMLType> is "XMLFile". {PathList} in <XMLFile> is the same as that in <UniversalPathList>. <XMLHttp> is only present if <Profile XMLType> is "XMLHttp" <XMLCalc> is only present if <Profile XMLType> is "XMLCalculation" <XSLFile> is only present if <Profile XSLType> is "XSLFile" <XSLHttp> is only present if <Profile XSLType> is "XSLHttp" <XSLCalc> is only present if <Profile XSLType> is "XSLCalculation" <QueryCalc> is only present if <Profile QueryType> is "Calculation" <Query> is only present if <Profile QueryType> is "Query"

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Area	Name	XMLGrammar	XMLValues	XMLDescription
Records	Import Records *(continued from previous page))*	{for XML data source : <Profile DataType="XML " FirstRowIsData="True" XMLType="XMLFile" XSLType="XSLFile"> <XMLFile>{PathList}</XMLFile> <XMLHttp>{http}</XMLHttp> <XMLCalc> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[CalcString]]> </Calculation> </XMLCalc> <XSLFile> <UniversalPathList> {PathList}</UniversalPathList> </XSLFile> <XSLHttp>{http}</XSLHttp> <XSLCalc> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[CalcString]]> </Calculation> </XSLCalc> </Profile> }	<Profile XMLType> can be: ■ NoXML ■ XMLFile ■ XMLHttp ■ XMLCalculation <Profile XSLType> can be: ■ NoXSL ■ XSLFile ■ XSLHttp ■ XSLCalculation <Profile QueryType> can be: ■ Query ■ Calculation	

Area	Name	XMLGrammar	XMLValues	XMLDescription
Records	Import Records *(continued from previous page))*	{for ODBC data source : <Profile DataType="ODBC" FirstRowIsData="True" dsn={Dsn} UserName={UserName} password={Password} flags={flags} QueryType="Query"> <QueryCalc> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[CalcString]]> </Calculation> </QueryCalc> <Query>{QueryText}</Query> </Profile> } <UniversalPathList> {PathList}</UniversalPathList> <ImportOptions method="UpdateOnMatch" SplitRepetitions="True" AutoEnter="True" AddRemainingRecords="True" CharacterSet="Windows"/> <Table name={Table} id="1"/> <TargetFields> <Field name={FieldName} id="1" map="Import"/> <Field/> <Field name={FieldName} id="2" map="Match"/> ... </TargetFields> </Step>	<ImportOptions method> can be: ■ Add ■ Update ■ UpdateOnMatch <ImportOptions SplitRepetitions> can be: ■ True ■ False <ImportOptions AutoEnter> can be: ■ True ■ False <ImportOptions AddRemainingRecords> can be: ■ True ■ False <ImportOptions CharacterSet> can be: ■ Windows ■ DOS ■ Macintosh ■ Unicode ■ UnicodeBE ■ UTF-8 ■ ShiftJIS ■ ChineseSimplified ■ ChineseTraditional <Field Map> can be: ■ Import ■ Match ■ DoNotImport <Chunk type> can be: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	{PathList} can consist of multiple absolute or relative paths, the first valid one of which is used at execution time. For a request to import into a new table: <Table> element is absent. {FieldName} for each <Field> element child of <TargetFields> element is index of field from data source to import into that target field. Each target field's actual name will be determined by the name of the corresponding source field in the same position (as previously established in the 'Import Mapping' dialog) when the script step is eventually performed.

Area	Name	XMLGrammar	XMLValues	XMLDescription
Records	Export Records	<Step id="36" name="Export Records" enable="True"> <StepText>Script step text</StepText> <NoInteract state="True"/> <Restore state="True"/> <AutoOpen state="True"/> <CreateEmail state="True"/> {for non XML file data source (specified in UniversalPathList) : <Profile DataType={dataType}/> } {for XML file data source (specified in UniversalPathList) : <Profile DataType="XMLE" grammar="FMPXMLRESULT" XSLType="XSLFile"> <XSLFile> <UniversalPathList> {PathList}</UniversalPathList> </XSLFile> <XSLHttp>{http}</XSLHttp> <XSLCalc> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[CalcString]]> </Calculation> </XSLCalc> </Profile> } {for Excel file data source (specified in UniversalPathList) : See <SaveType>, <UseFieldNames>, <WorkSheet>, <Title>, <Subject>, and <Author> from Save Records As Excel. } <UniversalPathList> {PathList}</UniversalPathList> <ExportOptions CharacterSet="Windows"/> FormatUsingCurrentLayout="True"/> </ExportOptions> <ExportEntries> <ExportEntry> <Field name={FieldName} id="2" repetition="2" table={Table}/> <Field name={FieldName} id="2" repetition="2" table={Table}/> </ExportEntry> ... </ExportEntries>	<NoInteract state> can be: ■ True ■ False <Restore state> can be: ■ True ■ False <AutoOpen state> can be: ■ True ■ False <CreateEmail state> can be: ■ True ■ False <Profile grammar> can be: ■ FMPXMLRESULT ■ FMPDSORESULT <Profile XSLType> can be: ■ NoXSL ■ XSLFile ■ XSLHttp ■ XSLCalculation See Save Records as Excel for details on <SaveType> and <UseFieldNames>. <ExportOptions CharacterSet> can be: ■ Windows ■ DOS ■ Macintosh ■ Unicode ■ UTF-8 ■ IsoLatin1 ■ ShiftJIS ■ ChineseSimplified ■ ChineseTraditional <ExportOptions FormatUsingCurrentLayout> can be: ■ True ■ False <Chunk type> can be: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	<XSLFile> is only present if <Profile XSLType> is "XSLFile" <XSLHttp> is only present if <Profile XSLType> is "XSLHttp" <XSLCalc> is only present if <Profile XSLType> is "XSLCalculation" {PathList} can consist of multiple absolute or relative paths, the first valid one of which is used at execution time. <ExportEntry> node normally contains only one <Field> sub-node (identifying a field to be exported) but will contain a second one if the first is a summary field and the user requested that exported records be grouped by some field, in which case the second field is a "summarize by" field. <Field repetition> is only output if > 1

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Area	Name	XMLGrammar	XMLValues	XMLDescription
Records	Export Records *(continued from previous page))*	<SummaryFields> <Field name={FieldName} id="2" repetition="2" table={Table}/> <Field name={FieldName} id="2" repetition="2" table={Table}/> ... </SummaryFields> </Step>		
Windows	Freeze Window	<Step id="79" name="Freeze Window" enable="True"> <StepText>Script step text</StepText> </Step>	—	—
Windows	Refresh Window	<Step id="80" name="Refresh Window" enable="True"> <StepText>Script step text</StepText> <Option state="True" /> <FlushSQLData state="True" /> </Step>	<Option state> can be: ■ True ■ False <FlushSQLData state> can be: ■ True ■ False	<Option> corresponds to the "flush cached join results" option. <FlushSQLData> corresponds to the "flush cached SQL data" option.
Windows	Scroll Window	<Step id="81" name="Scroll Window" enable="True"> <StepText>Script step text</StepText> <ScrollOperation value="Home"/> </Step>	<ScrollOperation value> can be: ■ Home ■ End ■ PageUp ■ PageDown ■ ToSelection	—
Windows	Adjust Window	<Step id="31" name="Adjust Window" enable="True"> <StepText>Script step text</StepText> <WindowState value="Maximize"/> </Step>	<WindowState value> can be: ■ ResizeToFit ■ Maximize ■ Minimize ■ Restore ■ Hide	—
Windows	Show/Hide Status Area	<Step id="29" name="Show/Hide Status Area" enable="True"> <StepText>Script step text</StepText> <Lock state="True"/> <ShowHide value="Hide"/> </Step>	<Lock state> can be: ■ True ■ False <ShowHide value> can be: ■ Show ■ Hide ■ Toggle	—
Windows	Show/Hide Text Ruler	<Step id="92" name="Show/Hide Text Ruler" enable="True"> <StepText>Script step text</StepText> <ShowHide value="Hide"/> </Step>	<ShowHide value> can be: ■ Show ■ Hide ■ Toggle	—

Area	Name	XMLGrammar	XMLValues	XMLDescription
Windows	Set Zoom Level	<Step id="97" name="Set Zoom Level" enable="True"> <StepText>Script step text</StepText> <Lock state="True"/> <Zoom value="75"/> </Step>	<Lock state> can be: ■ True ■ False <Zoom value> can be: ■ 25 ■ 50 ■ 75 ■ 100 ■ 150 ■ 200 ■ 300 ■ 400 ■ ZoomIn ■ ZoomOut	—
Windows	View As	<Step id="30" name="View As" enable="True"> <StepText>Script step text</StepText> <View value="Form"/> </Step>	<View value> can be: ■ Form ■ List ■ Table ■ Cycle	—
Files	New File	<Step id="82" name="New File" enable="True"> <StepText>Script step text</StepText> </Step>	—	—

Area	Name	XMLGrammar	XMLValues	XMLDescription
Files	Open File	<Step id="33" name="Open File" enable="True"> <StepText>Script step text</StepText> <Option state="True"/> {For a FileMaker data source: <FileReference name={name} id="1"> <UniversalPathList> {PathList}</UniversalPathList> </FileReference> } {For an ODBC data source: <OdbcDataSource name={name} id="1" DSN="..." promptForLogin="False"> <Username> <Calculation> <![CDATA[CalcString]]> </Calculation> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> </Username> <Password> <Calculation> <![CDATA[CalcString]]> </Calculation> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> </Password> <FilterTables tableName="{TableName}" schemaName="{SchemaName}" catalogName="{CatalogName}" typeBasedFilter="True" retrieveTables="True" retrieveViews="True" retrieveSystemTables="True"/> </OdbcDataSource> } </Step>	<Option state> can be: ■ True ■ False <OdbcDataSource promptForLogin> can be: ■ True ■ False <Chunk type> can be: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef <FilterTables typeBasedFilter> can be: ■ True ■ False <FilterTables retrieveTables> can be: ■ True ■ False <FilterTables retrieveViews> can be: ■ True ■ False <FilterTables retrieveSystemTables> can be: ■ True ■ False	{PathList} can consist of multiple absolute or relative paths, the first valid one of which is used at execution time. <Username> and <Password> are present only if <OdbcDataSource promptForLogin> is "False" (i.e. user has entered login credentials for the ODBC data source).

Area	Name	XMLGrammar	XMLValues	XMLDescription
Files	Close File	<Step id="34" name="Close File" enable="True"> <StepText>Script step text</StepText> {For a FileMaker data source: <FileReference name={name} id="1"> <UniversalPathList> {PathList}</UniversalPathList> </FileReference> } {For an ODBC data source: <OdbcDataSource name={name} id="1" DSN="..." promptForLogin="False"> <Username> <Calculation> <![CDATA[CalcString]]> </Calculation> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> </Username> <Password> <Calculation> <![CDATA[CalcString]]> </Calculation> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> </Password> <FilterTables tableName="{TableName}" schemaName="{SchemaName}" catalogName="{CatalogName}" typeBasedFilter="True" retrieveTables="True" retrieveViews="True" retrieveSystemTables="True"/> </OdbcDataSource> } </Step>	<OdbcDataSource promptForLogin> can be: ■ True ■ False <Chunk type> can be: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef <FilterTables typeBasedFilter> can be: ■ True ■ False <FilterTables retrieveTables> can be: ■ True ■ False <FilterTables retrieveViews> can be: ■ True ■ False <FilterTables retrieveSystemTables> can be: ■ True ■ False	If neither <FileReference> nor <OdbcDataSource> nodes are present, the current file is closed. {PathList} can consist of multiple absolute or relative paths, the first valid one of which is used at execution time. <Username> and <Password> are present only if <OdbcDataSource promptForLogin> is "False" (i.e. user has entered login credentials for the ODBC data source).

Area	Name	XMLGrammar	XMLValues	XMLDescription
Account	Change password	<Step id="83" name="Change Password" enable="True"> <StepText>Script step text</StepText> <NoInteract state="True"/> <OldPassword> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[{CalcString}]]> </Calculation> </OldPassword> <NewPassword> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[{CalcString}]]> </Calculation> </NewPassword> </Step>	<StepText> contains the full detailed description of this script step along with its options. The contents of this node are the same as the ones that will get printed part of script definition print. <NoInteract state> can be: ■ True ■ False <Chunk type> can be: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	—
Files	Set Multi-User	<Step id="84" name="Set Multi-User" enable="True"> <StepText>Script step text</StepText> <MultiUser value="True"/> </Step>	<MultiUser value> can be: ■ True ■ False ■ OnHidden	—
Files	Set Use System Formats	<Step id="94" name="Set Use System Formats" enable="True"> <StepText>Script step text</StepText> <Set state="True"/> </Step>	<Set state> can be: ■ True ■ False	—
Files	Save a Copy As	<Step id="37" name="Save a Copy as" enable="True"> <StepText>Script step text</StepText> <AutoOpen state="True"/> <CreateEmail state="True"/> <SaveAsType value="Copy"/> <UniversalPathList> {PathList}</UniversalPathList> </Step>	<SaveAsType value> can be: ■ Copy ■ CompactedCopy ■ Clone <AutoOpen state> can be: ■ True ■ False <CreateEmail state> can be: ■ True ■ False	{PathList} can consist of multiple absolute or relative paths, the first valid one of which is used at execution time.
Files	Recover File	<Step id="95" name="Recover File" enable="True"> <StepText>Script step text</StepText> <NoInteract state="True"/> <UniversalPathList> {PathList}</UniversalPathList> </Step>	<NoInteract state> can be: ■ True ■ False	{PathList} can consist of multiple absolute or relative paths, the first valid one of which is used at execution time.

Area	Name	XMLGrammar	XMLValues	XMLDescription
Spelling	Check Selection	<Step id="18" name="Check Selection" enable="True"> <StepText>Script step text</StepText> <SelectAll state="True"/> <Field name="f2" id="2" table="test"/> <Repetition> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA["Value"]]> </Calculation> </Repetition> </Step>	<SelectAll state> can be: ■ True ■ False	—
Spelling	Check Record	<Step id="19" name="Check Record" enable="True"> <StepText>Script step text</StepText> </Step>	—	—
Spelling	Check Found Set	<Step id="20" name="Check Found Set" enable="True"> <StepText>Script step text</StepText> </Step>	—	—
Spelling	Correct Word	<Step id="106" name="Correct Word" enable="True"> <StepText>Script step text</StepText> </Step>	—	—
Spelling	Spelling Options	<Step id="107" name="Spelling Options" enable="True"> <StepText>Script step text</StepText> </Step>	—	—
Spelling	Select Dictionaries	<Step id="108" name="Select Dictionaries" enable="True"> <StepText>Script step text</StepText> </Step>	—	—
Spelling	Edit User Dictionary	<Step id="109" name="Edit User Dictionary" enable="True"> <StepText>Script step text</StepText> </Step>	—	—
Open Menu Item	Open Preferences	<Step id="105" name="Open Preferences" enable="True"> <StepText>Script step text</StepText> </Step>	—	—
Open Menu Item	Open File Options	<Step id="114" name="Open File Options" enable="True"> <StepText>Script step text</StepText> </Step>	—	—
Open Menu Item	Open Manage Database	<Step id="38" name="Open Manage Database" enable="True"> <StepText>Script step text</StepText> </Step>	—	—

Area	Name	XMLGrammar	XMLValues	XMLDescription
Open Menu Item	Open Manage Layouts	<Step id="151" name="Open Manage Layouts " enable="True"> <StepText>Script step text</StepText> </Step>	—	—
Open Menu Item	Open Manage Value Lists	<Step id="112" name="Open Manage Value Lists" enable="True"> <StepText>Script step text</StepText> </Step>	—	—
Open Menu Item	Open Help	<Step id="32" name="Open Help" enable="True"> <StepText>Script step text</StepText> </Step>	—	—
Open Menu Item	Open Remote	<Step id="118" name="Open Remote" enable="True"> <StepText>Script step text</StepText> </Step>	—	—
Open Menu Item	Open Manage Scripts	<Step id="88" name="Open Manage Scripts" enable="True"> <StepText>Script step text</StepText> </Step>	—	—
Open Menu Item	Open Sharing	<Step id="113" name="Open Sharing" enable="True"> <StepText>Script step text</StepText> </Step>	—	—

Area	Name	XMLGrammar	XMLValues	XMLDescription
Miscellaneous	Show Custom Dialog	<Step id="87" name="Show Custom Dialog" enable="True"> <StepText>Script step text</StepText> <Title> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[{CalcString}]]> </Calculation> </Title> <Message> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[{CalcString}]]> </Calculation> </Message> <ButtonCaptions> <ButtonCaption>Ok</ButtonCaption> <ButtonCaption>Cancel</ButtonCaption> <ButtonCaption>{TextString}</ButtonCaption> </ButtonCaptions> <InputFields> <InputField CommitState="True" UsePasswordCharacter="True"> <Field name={FieldName} id="2" repetition="2" table={Table}/> <Label> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[{CalcString}]]> </Calculation> </Label> <InputField> ... </InputField> ... </InputFields> </Step>	<InputField CommitState> can be: ■ True ■ False <InputField UsePasswordCharacter> can be: ■ True ■ False <Chunk type> can be: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	<Field repetition> is only output if > 1
Miscellaneous	Allow Toolbars	<Step id="115" name="Allow Toolbars" enable="True"> <StepText>Script step text</StepText> <Set state="True"/> </Step>	<Set state> can be: ■ True ■ False	
Miscellaneous	Beep	<Step id="93" name="Beep" enable="True"> <StepText>Script step text</StepText> </Step>	—	

Area	Name	XMLGrammar	XMLValues	XMLDescription
Miscellaneous	Speak (Mac)	<Step id="66" name="Speak" enable="True"> <StepText>Script step text</StepText> <SpeechOptions VoiceCreator={voice creator} VoiceId={voice id} VoiceName={voice name} WaitForCompletion="True"/> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[CalcString]]> </Calculation> </Step>	<Speech WaitForCompletion> can be: ■ True ■ False <SpeechOptions VoiceCreator> is a four character string. <Chunk type> can be: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	<SpeechOptions VoiceName> is only generated on the Mac and contains redundant information that only serves to make DDR reports (in particular HTML ones) more readable.
Miscellaneous	Dial Phone	<Step id="65" name="Dial Phone" enable="True"> <StepText>Script step text</StepText> <NoInteract state="True"/> <UseDialPreferences value="True"/> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[613-667-5030]]> </Calculation> </Step>	<NoInteract state> can be: ■ True ■ False <UseDialPreferences value> can be: ■ True ■ False <Chunk type> can be: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	—
Miscellaneous	Open URL	<Step id="111" name="Open URL" enable="True"> <StepText>Script step text</StepText> <NoInteract state="True"/> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA["http://www.filemaker.com"]]> </Calculation> </Step>	<NoInteract state> can be: ■ True ■ False <Chunk type> can be: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	—

Area	Name	XMLGrammar	XMLValues	XMLDescription
Miscellaneous	Send Mail	<Step id="63" name ="Send Mail" enable="True"> <StepText>Script step text</StepText> <NoInteract state="True"/> <Attachment> <UniversalPathList> {PathList}</UniversalPathList> </Attachment> <To UseFoundSet="True"> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[CalcString]]> </Calculation> </To> <Cc UseFoundSet="True"> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[CalcString]]> </Calculation> </Cc> <Bcc UseFoundSet="True"> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[<Step id="63" name="Send Mail"> </Calculation> </Bcc> <Subject> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA["Subject"]]> </Calculation> </Subject> *(continued on next page)*	<NoInteract state> can be: ■ True ■ False <MultipleEmails state> can be: ■ True ■ False <SMTPAuthenticationType> can be: ■ SMTPAuthenticationNone ■ SMTPAuthenticationPlain ■ SMTPAuthenticationCramMD5 <To/Cc/Bcc UseFoundSet> can be: ■ True ■ False <Chunk type> can be: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	{PathList} can consist of multiple absolute or relative paths, the first valid one of which is used at execution time.

Area	Name	XMLGrammar	XMLValues	XMLDescription
Miscellaneous	Send Mail *(continued from previous page))* *(continued on next page)*	<Message> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA["Message"]]> </Calculation> </Message> <SMTPNameDescription> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[CalcString]]> </Calculation> </SMTPNameDescription> <SMTPEmailAddress > <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[CalcString]]> </Calculation> </SMTPEmailAddress> <SMTPReplyAddress > <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[CalcString]]> </Calculation> </SMTPReplyAddress>		

Area	Name	XMLGrammar	XMLValues	XMLDescription
Miscellaneous	Send Mail *(continued from previous page))*	<SMTPServer> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[CalcString]]> </Calculation> </SMTPServer> <SMTPPort > <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[CalcString]]> </Calculation> </SMTPPort> <SMTPUserName> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[CalcString]]> </Calculation> </SMTPUserName> <SMTPPassword > <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[CalcString]]> </Calculation> </SMTPPassword> <MultipleEmails state="True"/> <SendViaSMTP state ="True"/> <SMTPEncryptionType type="encryptionVal"> <SMTPAuthenticationType type = "SMTPAuthenticationPlain"/> </Step>	<Chunk type> can be: NoRef FunctionRef FieldRef CustomFunctionRef	—

Area	Name	XMLGrammar	XMLValues	XMLDescription
Fields	Set Next Serial Value	<Step id="116" name="Set Next Serial Value" enable="True"> <StepText>Script step text</StepText> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[12]]> </Calculation> <Field name="f3" id="2" table="test"/> <Repetition> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA["Value"]]> </Calculation> </Repetition> </Step>	<Chunk type> can be: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	—
Miscellaneous	Send Event (Mac)	See SendEvent (Win).	See Send Event (Win)	—
Miscellaneous	Perform AppleScript (Mac)	<Step id="67" name="Perform AppleScript" enable="True"> <StepText>Script step text</StepText> <ContentType value="Calculation"> <CompiledScript> <![CDATA[{compiled apple script data}]]> </CompiledScript> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA["this is a calculated string"]]> </Calculation> <Text>This is a string literal</Text> </Step>	<ContentType value> can be: ■ Calculation ■ Text <Chunk type> can be: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	<Calculation> is present when <ContentType value> is "Calculation" and <Text> is present when it is "Text".

Area	Name	XMLGrammar	XMLValues	XMLDescription
Miscellaneous	Send DDE Execute (Win)	<Step id="64" name="Send DDE Execute" enable="True"> <StepText>Script step text</StepText> <ContentType value="Calculation"> <UniversalPathList> {PathList}</UniversalPathList> <ServiceName> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA["Word"]]> </Calculation> </ServiceName> <Topic> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA["TopicText"]]> </Calculation> </Topic> <Command> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA["Delete All"]]> </Calculation> </Command> </Step>	<ContentType value> can be: ■ File ■ Calculation <Chunk type> can be: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	<UniversalPathList> is present when <ContentType value> is "File" and <Topic> is present when it is "Calculation". {PathList} can consist of multiple absolute or relative paths, the first valid one of which is used at execution time.
Miscellaneous	Execute SQL	<Step id="117" name="Execute SQL" enable="True"> <StepText>Script step text</StepText> <NoInteract state="True"/> {See ODBC data source profile element in Import Records step} </Step>	<NoInteract state> can be: ■ True ■ False	{See ODBC data source profile element in Import Records step}

Area	Name	XMLGrammar	XMLValues	XMLDescription
Miscellaneous	Send Event (Win)	<Step id="57" name="Send event" enable="True"> <StepText>Script step text</StepText> <ContentType value="Calculation"> <UniversalPathList> {PathList}</UniversalPathList> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation>{CalcString}</Calculation> <Text>{TextString}</Text> <Event class={class} id={id} TargetName={TargetName} TargetType={TargetType} BringTargetToForeground="True" WaitForCompletion="True" CopyResultToClipBoard="False"/> </Step>	<ContentType value> can be: ■ File ■ Calculation ■ Text <Event class>, <Event id>, and <Event TargetType> are four character Apple Event related strings. <Event BringTargetToForeground> can be: ■ True ■ False <Event WaitForCompletion> can be: ■ True ■ False <Event CopyResultToClipBoard> can be: ■ True ■ False <Chunk type> can be: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	<UniversalPathList> is present when <ContentType value> is "File", <Calculation> is present when it is "Calculation", and <Text> is present when it is "Text". {PathList} can consist of multiple absolute or relative paths, the first valid one of which is used at execution time.
Miscellaneous	Comment	<Step id="89" name="Comment" enable="True"> <StepText>Script step text</StepText> <Text>This is a comment</Text> </Step>	—	—
Miscellaneous	Flush Cache to Disk	<Step id="102" name="Flush Cache to Disk" enable="True"> <StepText>Script step text</StepText> </Step>	—	—
Miscellaneous	Exit Application	<Step id="44" name="Exit Application" enable="True"> <StepText>Script step text</StepText> </Step>	—	—
Open Menu Item	Open Find/Replace	<Step id="129" name="Open Find/Replace" enable="True"> <StepText>Script step text</StepText> </Step>	—	—

Area	Name	XMLGrammar	XMLValues	XMLDescription
Editing	Perform Find/Replace	<Step id="128" name="Perform Find/Replace" enable="True"> <StepText>Script step text</StepText> <NoInteract state="True"/> <FindReplaceOperation type="FindNext" direction="Forward" MatchCase="False" MatchWholeWords="False" AcrossOptions="All" WithinOptions="All"/> <FindCalc> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[{CalcString}]]> </Calculation> </FindCalc> <ReplaceCalc> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[{CalcString}]]> </Calculation> </ReplaceCalc> </Step>	<NoInteract state> can be: ■ True ■ False <FindReplaceOperation type> can be: ■ FindNext ■ ReplaceAndFind ■ Replace ■ ReplaceAll <FindReplaceOperation direction> can be: ■ Forward ■ Backward ■ All <FindReplaceOperation MatchCase> can be: ■ True ■ False <FindReplaceOperation MatchWholeWords>can be: ■ True ■ False <FindReplaceOperation AcrossOptions> can be: ■ All ■ Current <FindReplaceOperation WithinOptions> can be: ■ All ■ Current <Chunk type> can be: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	—

Area	Name	XMLGrammar	XMLValues	XMLDescription
Windows	New Window	<Step id="122" name="New Window" enable="True"> <StepText>Script step text</StepText> <Name> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA["WindowName"]]> </Calculation> </Name> <Height> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[200]]> </Calculation> </Height> <Width> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[400]]> </Calculation> </Width> <DistanceFromTop> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[100]]> </Calculation> </DistanceFromTop> <DistanceFromLeft> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[125]]> </Calculation> </DistanceFromLeft> </Step>	<Chunk type> can be: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	—

Area	Name	XMLGrammar	XMLValues	XMLDescription
Windows	Select Window	<Step id="123" name="Select Window" enable="True"> <StepText>Script step text</StepText> <Window value="ByName"/> <LimitToWindowsOfCurrentFile state="True"/> <Name> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA["Customer Name"]]> </Calculation> </Name> </Step>	<Window value> can be: ■ Current ■ ByName <LimitToWindowsOfCurrentFile state> can be: ■ True ■ False <Chunk type> can be: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	<Name> is present when <Window value> is "ByName".
Windows	Move/Resize Window	<Step id="119" name="Move/Resize Window" enable="True"> <StepText>Script step text</StepText> <Window value="Current"/> <LimitToWindowsOfCurrentFile state="True"/> {See New Window for remaining XML} </Step>	<Window value> can be: ■ Current ■ ByName <LimitToWindowsOfCurrentFile state> can be: ■ True ■ False {See New Window for remaining details.}	See New Window.
Windows	Set Window Title	<Step id="124" name="Set Window Title" enable="True"> <StepText>Script step text</StepText> <Window value="ByName"/> <LimitToWindowsOfCurrentFile state="True"/> <Name> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA["Customer Name"]]> </Calculation> </Name> <NewName> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA["New Title"]]> </Calculation> </NewName> </Step>	<Window value> can be: ■ Current ■ ByName <LimitToWindowsOfCurrentFile state> can be: ■ True ■ False <Chunk type> can be: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	<Name> is present when <Window value> is "ByName".
Windows	Arrange All Windows	<Step id="120" name="Arrange All Windows" enable="True"> <StepText>Script step text</StepText> <WindowArrangement value="TileHorizontally"/> </Step>	<WindowArrangement Value> can be: ■ TileHorizontally ■ TileVertically ■ Cascade ■ BringAllToFront (Mac specific)	—

Area	Name	XMLGrammar	XMLValues	XMLDescription
Windows	Close Window	<Step id="121" name="Close Window" enable="True"> <StepText>Script step text</StepText> <Window value="ByName"/> <LimitToWindowsOfCurrentFile state="True"/> <Name> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA["Customer Name"]]> </Calculation> </Name> </Step>	<Window value> can be: ■ Current ■ ByName <LimitToWindowsOfCurrentFile state> can be: ■ True ■ False <Chunk type> can be: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	<Name> is present when <Window value> is "ByName".
Open Menu Item	Open Manage Data Sources	<Step id="140" name="Open Manage Data Sources" enable="True"> <StepText>Script step text</StepText> </Step>	—	—
Records	Open Record/ Request	<Step id="133" name="Open Record/Request" enable="True"> <StepText>Script step text</StepText> </Step>	—	—
Control	Else If	<Step name="Else If" id="125" enable="True"> <StepText>Script step text</StepText> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation>CalcString</Calculation> </Step>	<Chunk type> can be: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	—
Fields	Insert File	<Step id="131" name="Insert File" enable="True"> <StepText>Script step text</StepText> <UniversalPathList type="Reference"> {PathList}</UniversalPathList> <Field name={FieldName} id="2" table={Table}/> <Repetition> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA["Value"]]> </Calculation> </Repetition> </Step>	<UniversalPathList type> can be: ■ Reference ■ Embedded	{PathList} can consist of multiple absolute or relative paths, the first valid one of which is used at execution time.

Area	Name	XMLGrammar	XMLValues	XMLDescription
Fields	Export Field Contents	<Step id="132" name="Export Field Contents" enable="True"> <StepText>Script step text</StepText> <AutoOpen state="True"/> <CreateEmail state="True"/> <UniversalPathList> {PathList}</UniversalPathList> <Field name="FieldName" id="2" table="TableName"/> <Repetition> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA["Value"]]> </Calculation> </Repetition> </Step>	<AutoOpen state> can be: ■ True ■ False <CreateEmail state> can be: ■ True ■ False	{PathList} can consist of multiple absolute or relative paths, the first valid one of which is used at execution time.
Editing	Set Selection	<Step id="130" name="Set Selection" enable="True"> <StepText>Script step text</StepText> <StartPosition> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[{CalcString}]]> </Calculation> </StartPosition> <EndPosition> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[{CalcString}]]> </Calculation> </EndPosition> <Field name={FieldName} id="2" table={Table}/> <Repetition> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA["Value"]]> </Calculation> </Repetition> </Step>	<Chunk type> can be: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	—
Found Sets	Constrain Found Set	<Step id="126" name="Constrain Found Set" enable="True"> {See Perform Find} </Step>	{See Perform Find}	See Perform Find.

Area	Name	XMLGrammar	XMLValues	XMLDescription
Found Sets	Extend Found Set	<Step id="127" name="Extend Found Set" enable="True"> {See Perform Find} </Step>	{See Perform Find}	See Perform Find.
Account	Add Account	<ScriptStep id="134" name="Add Account" enable="True"> <StepText>Script step text</StepText> <ChgPwdOnNextLogin value="True"> <AccountName> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[{CalcString}]]> </Calculation> </AccountName> <Password> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[{CalcString}]]> </Calculation> </Password> <PrivilegeSet name={Privilege Set Name} id="1"/> </Step>	<Chunk type> can be: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	—
Account	Delete Account	<ScriptStep id="135" name="Delete Account" enable="True"> <StepText>Script step text</StepText> <AccountName> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[{CalcString}]]> </Calculation> </AccountName> </Step>	<Chunk type> can be: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	—

Area	Name	XMLGrammar	XMLValues	XMLDescription
Account	Reset Account Password	<ScriptStep id="136" name="Reset Account Password" enable="True"> <StepText>Script step text</StepText> <ChgPwdOnNextLogin value="True"> <AccountName> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[{CalcString}]]> </Calculation> </AccountName> <Password> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[{CalcString}]]> </Calculation> </Password> </Step>	<Chunk type> can be: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	—
Account	Enable Account	<ScriptStep id="137" name="Enable Account" enable="True"> <StepText>Script step text</StepText> <AccountOperation value="Activate"/> <AccountName> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[{CalcString}]]> </Calculation> </AccountName> </Step>	<AccountOperation value> can be: ■ Activate ■ Deactivate <Chunk type> can be: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	—

Area	Name	XMLGrammar	XMLValues	XMLDescription
Account	Re-Login	<ScriptStep id="138" name="Re-Login" enable="True"> <StepText>Script step text</StepText> <NoInteract state="True"/> <AccountName> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[{CalcString}]]> </Calculation> </AccountName> <Password> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[{CalcString}]]> </Calculation> </Password> </Step>	<NoInteract state> can be: ■ True ■ False <Chunk type> can be: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	—
Files	Convert File	<Step id="139" name="Convert File" enable="True"> {See Import Records, except for folder data source options, which Convert File does not have.} </Step>	{See Import Records, except for folder data source options, which Convert File does not have.}	—

Area	Name	XMLGrammar	XMLValues	XMLDescription
Records	Save Records as PDF *(continued on next page)*	<Step id="144" name="Save Records as PDF" enable="True"> <StepText>Script step text</StepText> <Option state="True"/> <NoInteract state="True"/> <Restore state="True"/> <AutoOpen state="True"/> <CreateEmail state="True"/> <UniversalPathList> {PathList}</UniversalPathList> <PDFOptions source="RecordsBeingBrowsed" appearance="AsFormatted"> <Document compatibility="Acrobat5AndLater"> <Title> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[CalcString]]> </Calculation> </Title> <Subject> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[CalcString]]> </Calculation> </Subject> <Author> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[CalcString]]> </Calculation> </Author > <KeyWords> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[CalcString]]> </Calculation> </KeyWords >	<NoInteract state> can be: ■ True ■ False <Option state> can be: ■ True ■ False <Restore state> can be: ■ True ■ False <AutoOpen state> can be: ■ True ■ False <CreateEmail state> can be: ■ True ■ False <PDFOptions source> can be: ■ RecordsBeingBrowsed ■ CurrentRecord ■ BlankRecord <PDFOptions appearance> can be: ■ AsFormatted ■ WithBoxes ■ WithUnderlines <Document compatibility> can be: ■ Acrobat5AndLater ■ Acrobat6AndLater <AllPages state> can be: ■ True ■ False <Security requireOpenPassword> can be: ■ True ■ False <Security requireControlEditPassword> can be: ■ True ■ False <Security controlPrinting> can be: ■ NotPermitted ■ LowResolution ■ HighResolution	<PDFOptions appearance> is only generated if <PDFOptions source> is "BlankRecord". <Option state="True"> is "Append to Existing PDF"

Area	Name	XMLGrammar	XMLValues	XMLDescription
Records	Save Records as PDF *(continued from previous page)* *(continued on next page)*	<Pages> <NumberFrom> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[CalcString]]> </Calculation> </NumberFrom> <AllPages state="true"> <PageRange> <From> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[CalcString]]> </Calculation> </From> <To> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[CalcString]]> </Calculation> </To> </PageRange> </Pages> </Document> <Security requireOpenPassword="True" requireControlEditPassword="True" controlPrinting="HighResolution" controlEditing="AnyExceptExtracting" enableCopying="True" allowScreenReader="True"> <OpenPassword> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[CalcString]]> </Calculation> </OpenPassword>	<Security controlEditing> can be: ■ NotPermitted ■ InsertingDeletingRotatingPages ■ FillingInForms ■ Commenting ■ AnyExceptExtractingPages <Security enableCopying> can be: ■ True ■ False <Security allowScreenReader> can be: ■ True ■ False <View show> can be: ■ PageOnly ■ BookmarksPanelAndPage ■ PagesPanelAndPage <View pageLayout> can be: ■ Default ■ SinglePage ■ Continuous ■ Facing ■ ContinuousFacing <View magnification> can be: ■ Default ■ FitPage ■ FitWidth ■ FitVisible ■ 25 ■ 50 ■ 75 ■ 100 ■ 125 ■ 150 ■ 200 ■ 400 ■ 800	

Area	Name	XMLGrammar	XMLValues	XMLDescription
Records	Save Records as PDF *(continued from previous page)*	<ControlPassword> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[CalcString]]> </Calculation> </ControlPassword> </Security> <View show="PageOnly" pageLayout="SinglePage" magnification="25"/> </PDFOptions> </Step>		

Area	Name	XMLGrammar	XMLValues	XMLDescription
Records	Save Records as Excel	<Step id="143" name="Save Records as Excel" enable="True"> <StepText>Script step text</StepText> <NoInteract state="True"/> <Restore state="True"/> <AutoOpen state="True"/> <CreateEmail state="True"/> <Profile DataType="XLXE" FirstRowIsData="True"/> <UniversalPathList>{PathList}</UniversalPathList> <SaveType value="BrowsedRecords"/> <UseFieldNames state="True"/> <WorkSheet> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[CalcString]]> </Calculation> </WorkSheet> <Title> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[CalcString]]> </Calculation> </Title> <Subject> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[CalcString]]> </Calculation> </Subject> <Author> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[CalcString]]> </Calculation> </Author > </Step>	<NoInteract state> can be: ■ True ■ False <Restore state> can be: ■ True ■ False <AutoOpen state> can be: ■ True ■ False <CreateEmail state> can be: ■ True ■ False <SaveType value> can be: ■ BrowsedRecords ■ CurrentRecord <UseFieldNames state> can be: ■ True ■ False <Profile DataType> can be: ■ XLXE ■ XLSE <Profile FirstRowIsData> can be: ■ True ■ False	<Profile> may not be generated if there is no output file specified in the script step. <Profile Datatype> value of "XLXE" means export to "Excel workbook (.xlsx)" type. <Profile Datatype> value of "XLSE" means export to "Excel 95-2004 workbook (.xls)" type.

Area	Name	XMLGrammar	XMLValues	XMLDescription
Control	Set Variable	<Step id="141" name="Set Variable" enable="True"> <StepText>Script step text</StepText> <Name>{Variable name}</Name> <Value> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[CalcString]]> </Calculation> </Value> <Repetition> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[CalcString]]> </Calculation> </Repetition> </Step>	—	—
Miscellaneous	Install Menu Set	<Step id="142" name="Install Menu Set" enable="True"> <StepText>Script step text</StepText> <UseAsFileDefault state="True"/> <CustomMenuSet id="3" name={Menu set name}/> </Step>	<UseAsFileDefault state> can be: ■ True ■ False	
Control	Go to Object	<Step id="145" name="Go to Object" enable="True"> <StepText>Script step text</StepText> <ObjectName> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[CalcString]]> </Calculation> </ObjectName> <Repetition> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[CalcString]]> </Calculation> </Repetition> </Step>		

Area	Name	XMLGrammar	XMLValues	XMLDescription
Control	Set Web Viewer	<Step id="146" name="Set Web Viewer" enable="True"> <StepText>Script step text</StepText> <Action value="Reset"/> <ObjectName> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[CalcString]]> </Calculation> </ObjectName> <URL custom="True"> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> <Calculation> <![CDATA[CalcString]]> </Calculation> </URL> </Step>	<Action value> can be: ■ Reset ■ Reload ■ GoForward ■ GoBack ■ GoToURL <URL custom> can be: ■ True ■ False	<URL> element is present when <Action value> is 'GoToURL'.
Open Menu Item	Open Edit Saved Finds	<Step id="149" name="Open Edit Saved Finds" enable="True"> <StepText>Open Edit Saved Finds</StepText> </Step>		

Area	Name	XMLGrammar	XMLValues	XMLDescription
Control	Install On Timer	<Step id="148" name="Install OnTimer Script" enable="True"> <StepText>Script step text</StepText> <Interval> <Calculation> <![CDATA[CalcString]]> </Calculation> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> </Interval> <Script id="1" name="Script Name "/> </Step>	<Interval> and <Script> will not appear if that option was not specified in the step. <Chunk type> can be: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	
Fields	Set Field By Name	<Step id="147" name="Set Field By Name" enable="True"> <StepText>Script step text</StepText> <TargetName> <Calculation> <![CDATA[CalcString]]> </Calculation> <DisplayCalculation> <Chunk type="NoRef"></Chunk> </DisplayCalculation> </TargetName> <Result> <Calculation> <![CDATA[CalcString]]> </Calculation> <DisplayCalculation> <Chunk type="FunctionRef">Abs</Chunk> <Chunk type="NoRef">(13)</Chunk> </DisplayCalculation> </Result> </Step>	<TargetName> and <Result> will not appear if that option was not specified in the step. <Chunk type> can be: ■ NoRef ■ FunctionRef ■ FieldRef ■ CustomFunctionRef	<TargetName> specifies the target field's name <Result> specifies the value to be placed in that field.

Area	Name	XMLGrammar	XMLValues	XMLDescription
Records	Save Records on Snapshot Link	<Step id="152" name="Save Records as Snapshot Link" enable="True"> <CreateEmail state="True"/> <UniversalPathList>{PathList}</UniversalPathList> <SaveType value="BrowsedRecords"/> </Step>	<CreateEmail state> can be : ■ True ■ False <SaveType value> can be : ■ BrowsedRecords ■ CurrentRecord	