Schema documentation for xml-actions-1.3.xsd

20 october 2013

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Namespace: ""

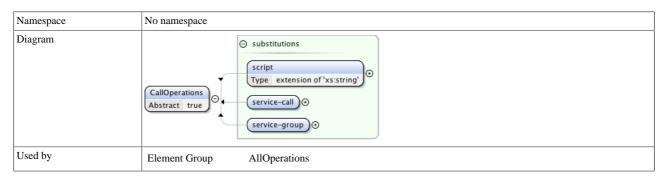
Schemas

Main schema xml-actions-1.3.xsd

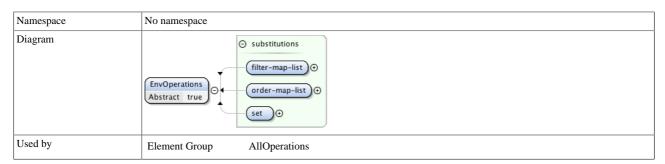
3.7	37
Namespace	No namespace
	The second secon

Elements

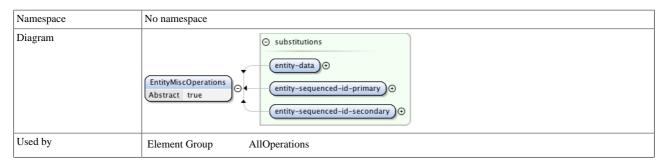
Element CallOperations



Element EnvOperations

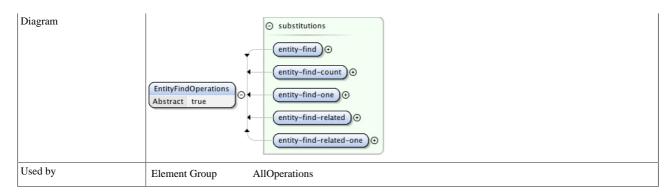


Element EntityMiscOperations

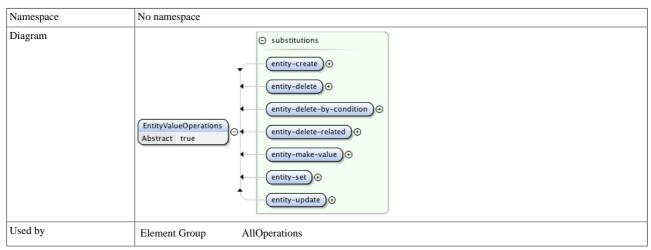


Element EntityFindOperations

Namespace	No namespace
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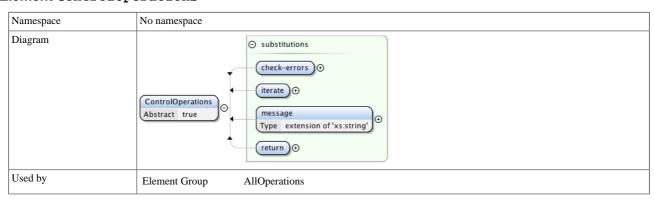
Element EntityValueOperations



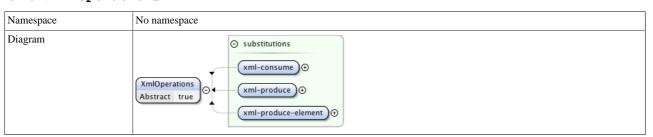
Element EntityListOperations

Namespace	No namespace
Diagram	EntityListOperations Abstract true
Used by	Element Group AllOperations

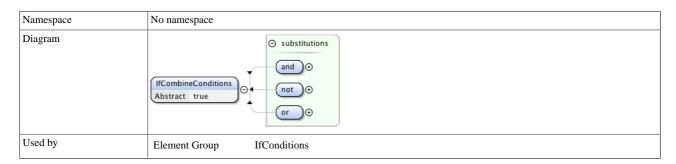
Element ControlOperations



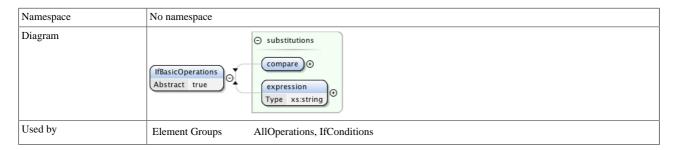
Element XmlOperations



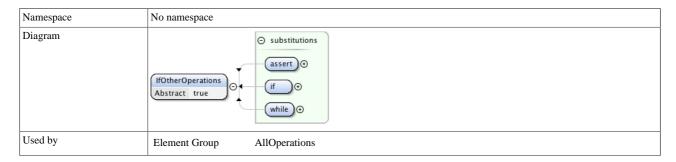
Element IfCombineConditions



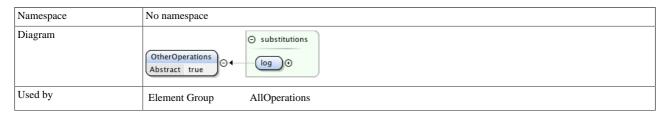
Element IfBasicOperations



Element IfOtherOperations

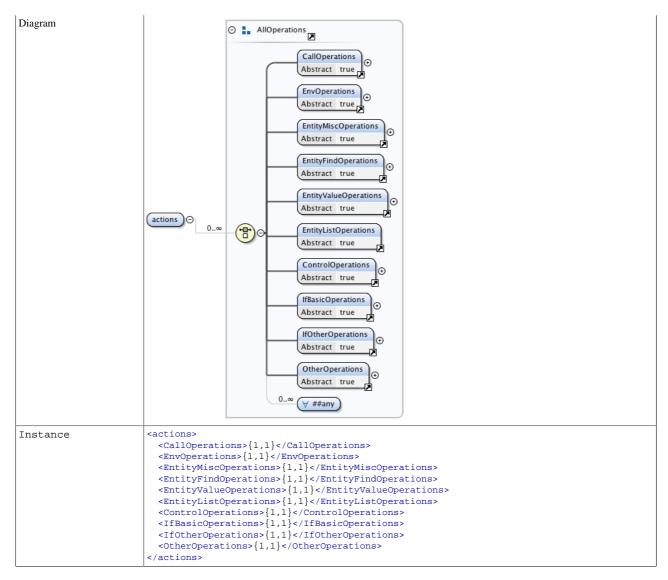


Element OtherOperations



Element actions

Namespace	No namespace
	XML Actions can be embedded in various files, or put in a file of their own and run like a script. Like a script the parameters passed into the XML Actions will already be defined in the context.

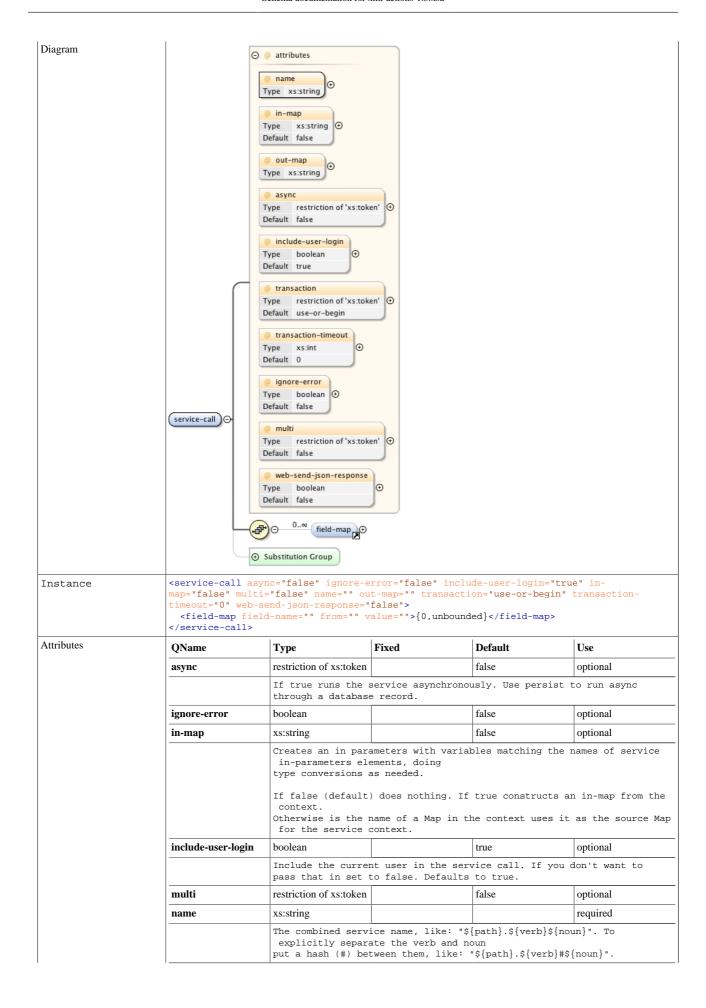


Element condition

Namespace	No namespace
Annotations	Contains a single condition of any sort and evaluates to a boolean value. To combine the other if operations the and, or, and xor elements can be used.
Diagram	condition (a) IfConditions Condition (a) IfCombineConditions (b) Abstract true (c) IfBasicOperations (c) (c) IfBasicOperati
Used by	Elements else-if, if, while
Instance	<pre><condition> <ifcombineconditions>{1,1}</ifcombineconditions> <ifbasicoperations>{1,1}</ifbasicoperations> </condition></pre>

Element service-call

Namespace	No namespace
Annotations	Call a service.

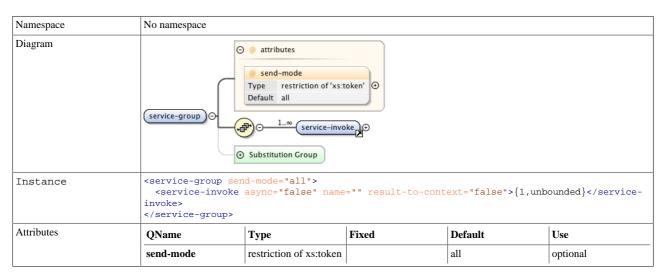


QName	Туре	Fixed	Default	Use
out-map	xs:string			optional
	Optional name in the method environment to use for the output (results) map. If empty then the output map will be ignored.			
transaction	restriction of xs:token		use-or-begin	optional
transaction-timeout	xs:int		0	optional
	This value is only require-new, or		tion, in seconds. vice begins a trans transaction already	·
web-send-json- response	boolean		false	optional

Element field-map

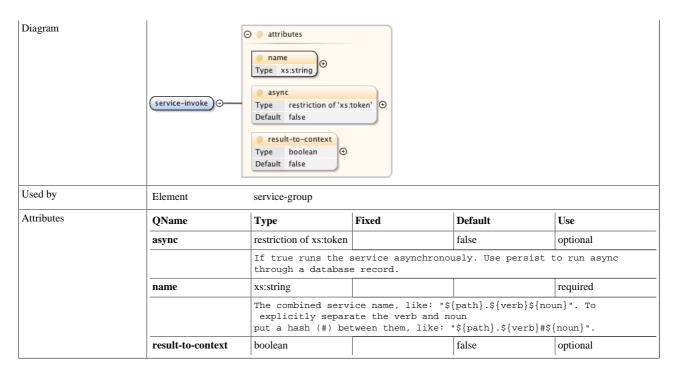
Namespace	No namespace					
Annotations	A name/value pair. If from and value are empty will look in the context for a field matching the field-name.					
Diagram	© @ attributes @ field-name Type xs:string @ from Type xs:string @ value Type xs:string Output Type xs:string					
Used by	Elements	entity-find-one, filter-n	nap-list, service-call			
Attributes	QName	Type	Fixed	Default	Use	
	field-name	xs:string			required	
		Name of the entity field.				
	from	xs:string			optional	
	value	xs:string			optional	
	Literal string or use \${} syntax to expand variables.					

Element service-group



Element service-invoke

Namespace	No namespace
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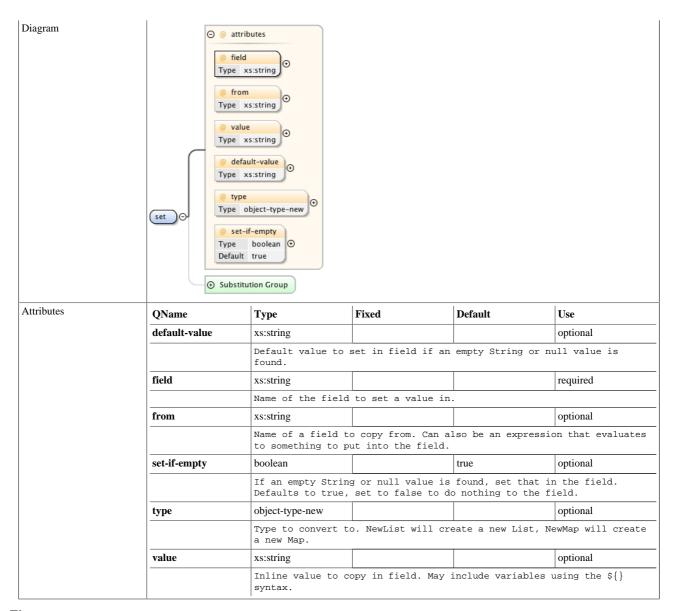


Element script

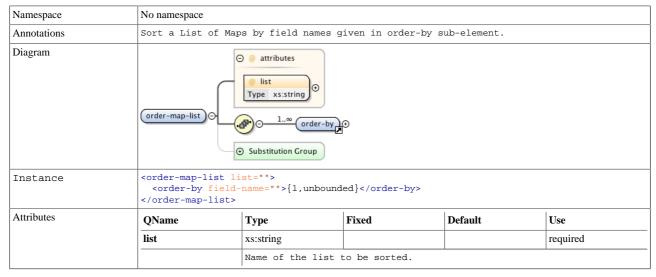
Namespace	No namespace						
Annotations	Runs the script at the specified location. You can also put a Groovy script inline under this element. If a location is specified the file can be a Groovy script or an xml-actions script. The script will run in the same context as the current operation.						
Diagram	script Type extension of 'xs:string' Substitution Group						
Type	extension of xs:string						
Attributes	QName	Type	Fixed	Default	Use		
	location	xs:string			optional		

Element set

Namespace	No namespace
Annotations	Set a field from another field (from) or an inline value, or a default-value.



Element order-map-list



Element order-by

Namespace	No namespace
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Annotations	Defines a fiel	Defines a field to order the results by.					
Diagram	order-by 🔾	order-by ○ @ attributes @ field-name Type xs:string ①					
Used by	Elements	Elements entity-find, order-map-list					
Attributes	QName	Туре	Fixed	Default	Use		
	field-name	xs:string			required		
		Name of field	Name of field to order list by.				

Element filter-map-list

Namespace	No namespace	No namespace					
Annotations	Filters the g	Filters the given List of Maps by the field-maps specified.					
Diagram	(filter-map-list)⊖	filter-map-list O Gattributes Gattributes Type xs:string O field-map O date-filter Substitution Group					
Instance	<pre><field-map f<="" td=""><td colspan="6"><pre><filter-map-list list="" to-list=""> <field-map field-name="" from="" value="">{0,unbounded}</field-map> <date-filter from-field-name="fromDate" thru-field-name="thruDate" valid-date="">{0,unbounded}</date-filter> </filter-map-list></pre></td></field-map></pre>	<pre><filter-map-list list="" to-list=""> <field-map field-name="" from="" value="">{0,unbounded}</field-map> <date-filter from-field-name="fromDate" thru-field-name="thruDate" valid-date="">{0,unbounded}</date-filter> </filter-map-list></pre>					
Attributes	QName	Туре	Fixed	Default	Use		
	list	xs:string			required		
		The name of the f	ield that con	ntains a List of Mar	o objects.		
	to-list	xs:string			optional		
Optional name of the output list. If empty filter the place.				the input list in-			

Element date-filter

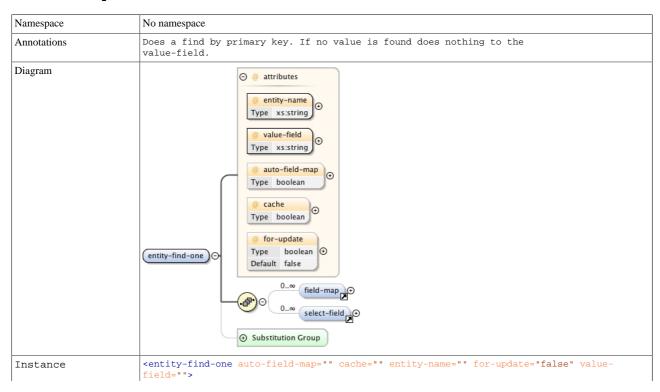
Namespace	No namespace	No namespace					
Annotations		Adds a constraint to find to filter by the from and thru dates in each record, comparing them to the valid-date value.					
Diagram	date-filter 🗇 🔐 Ty De	valid-date pe xs:string from-field-name pe xs:string ffault fromDate thru-field-name pe xs:string thru-field-name pe xs:string ffault thruDate					
Used by	Elements	econditions, entity-dele econditions	ete-by-condition, entity-	find, entity-find-count,	filter-map-list, having-		
Attributes	QName	Туре	Fixed	Default	Use		
	from-field-name	xs:string		fromDate	optional		

QName	Type	Fixed	Default	Use			
	1	The name of the entity field to use as the from/beginn date. Defaults to fromDate.					
thru-field-name	xs:string		thruDate	optional			
		The name of the entity field to use as the thru/ending effective date. Defaults to thruDate.					
valid-date	xs:string			optional			
	The name of a field in the context to compare each value to. Defaults to now.						

Element entity-data

Namespace	No namespace					
Annotations	Load or assert eac	h record in an ent	ity-facade-xml fil	е.		
Diagram	entity-data O a attributes O a coation Type xs:string O timeout Type xs:integer Default -1 O mode Type restriction of 'xs:token' Default load O Substitution Group					
Attributes	QName	Туре	Fixed	Default	Use	
	location	xs:string			required	
	Location of an XML file to load in database or verify in assert mode.					
	mode	restriction of xs:token		load	optional	
	timeout	xs:integer		-1	optional	
		Start a new transa	action and load the	data with a longe	er timeout.	

Element entity-find-one



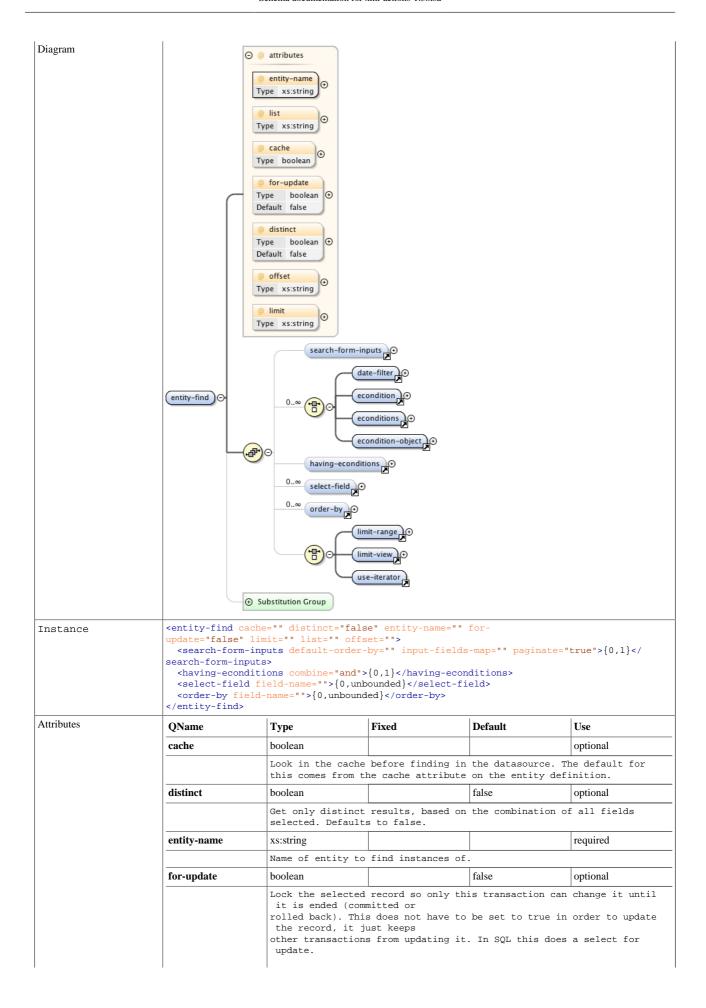
Attributes	QName	Туре	Fixed	Default	Use		
	auto-field-map	boolean			optional		
		Looks for all primary key fields by name in the context, and in the parameters map if not found in the context. Defaults to true. If a field-map sub-element is found this will default to false instead.					
	cache	boolean			optional		
		Look in the cache before finding in the datasource. The default for this comes from the cache attribute on the entity definition.					
	entity-name	xs:string			required		
		Name of the entity to find an instance of.					
	for-update	boolean		false	optional		
		Lock the selected record so only this transaction can change it until it is ended (committed or rolled back). This does not have to be set to true in order to update the record, it just keeps other transactions from updating it. In SQL this does a select for update. If this is true the cache will not be used, regardless of the cache attribute here and on the					
		entity definition					
	value-field	xs:string			required		

Element select-field

Namespace	No namespace	No namespace					
Annotations		Used to specify fields to select. If there are none of these elements all fields will be selected.					
Diagram	select-field 🗇	Select-field					
Used by	Elements	entity-find, entity	y-find-count, entity-find-	nd-one			
Attributes	QName	Туре	Fixed	Default	Use		
	field-name	xs:string			required		
		Name of a field to select.					

Element entity-find

Namespace	No namespace
	Like entity-and returns a list of entity values if any are found, otherwise returns an empty list. Use any combination of constraint, constraints and constraint-object.



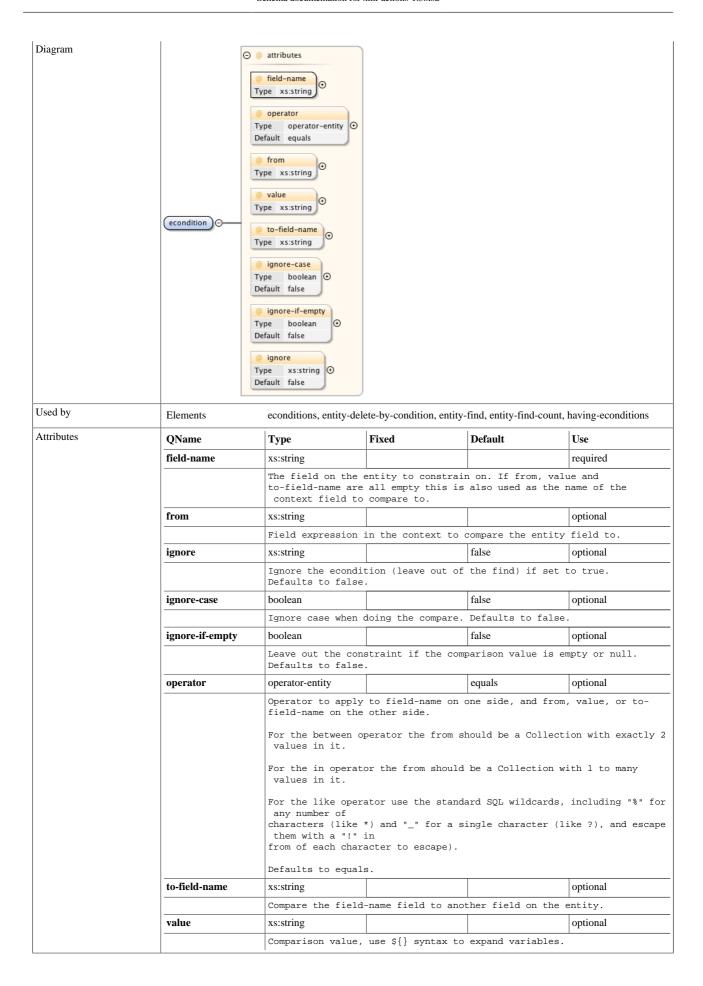
QName	Туре	Fixed	Default	Use	
	If this is true the attribute here and entity definition	nd on the	oe used, regardless	of the cache	
limit	xs:string			optional	
	Get back only this many results.				
list	xs:string			optional	
	Name of the list to put results in. Required unless the a is used under the entity-options element in a XML Screen				
offset	xs:string			optional	
	Get back results starting at this offset.				

Element search-form-inputs

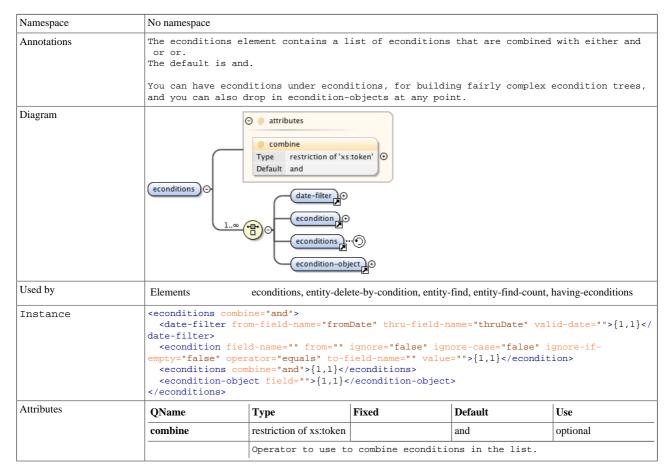
Namespace	No namespace						
Annotations	Adds econditions	for the fields four	nd in the inpu	t-fields-map.			
	the XML Forms. This means generated by XMI Forms. The suffix	Forms. This means that you can use this to process the data from the various inputs generated by XML Forms. The suffixes include things like *_op for operators and *_ic for ignore case.					
	For historical reference, this does basically what the Apache OFBiz prepareFind sendoes.						
Diagram Used by	(search-form-inputs) ⊙	search-form-inputs					
Attributes		entity-find	Fixed	Default	Use		
runouces	QName default-order-by	Type	Fixed	Default			
	default-order-by	xs:string optional If no orderByField parameter, order by this.					
	input-fields-map	xs:string			optional		
		The map to get form fields from. If empty will look at the ec.web.parameters map if the web facade is available, otherwise the current context (ec.context).					
	paginate	xs:string		true	optional		
		Indicate if this find should set pagination options even if there are no pageSize and pageIndex parameters. Also adds a context field called "\${entity-find.@list}Count" with a count of the total possible results (ie without the offset/limit). Defaults to true.					

Element econdition

Namespace	No namespace
	Adds a econdition to the query to compare the field-name field to a context field, a String value, or another field on the entity.



Element econditions

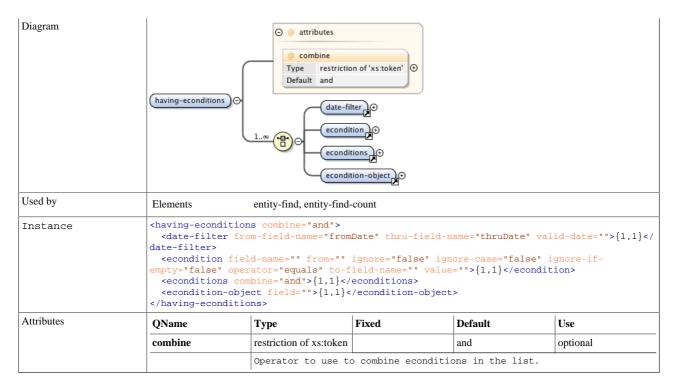


Element econdition-object

Namespace	No namespace						
Annotations	Add a condition that has been defined elsewhere and is available in the current context. Can also be a Map and it will add conditions where the entries are ANDed together and each key/value are compared with equal.						
Diagram	econdition-object © attributes @ field Type xs:string @						
Used by	Elements	econditions, entity-dele	ete-by-condition, entity-	find, entity-find-count,	having-econditions		
Attributes	QName	Type	Fixed	Default	Use		
	field	xs:string			required		
		Field in the current context that implements the EntityCondition interface or the Map interface.					

Element having-econditions

Namespace	No namespace
Annotations	Similar to econditions but runs after the grouping and functions are done.



Element limit-range

Namespace	No namespace	No namespace							
Annotations	Limit the resu	Limit the results by a start index and a size.							
Diagram	(limit-range) 🗇	limit-range O							
Used by	Element	entity-find							
Attributes	QName	Туре	Fixed	Default	Use				
	size	xs:string			required				
		The number of results to include beyond the start.							
	start	start xs:string required							
		The start/beginning index of results to include.							

Element limit-view

Namespace	No namespace						
Annotations	Limit the results using parameters like those used to paginate results in a user interface.						
Diagram	@ view-index Type xs:string						
Used by	Element entity-find						
Attributes	QName Type Fixed Default Use						
	view-index	view-index xs:string required					

QName	Туре	Fixed	Default	Use
	Index of records to view, depends on view-size.			
view-size	xs:string			required
	Number of records to view, like the number of results per-scr			

Element use-iterator

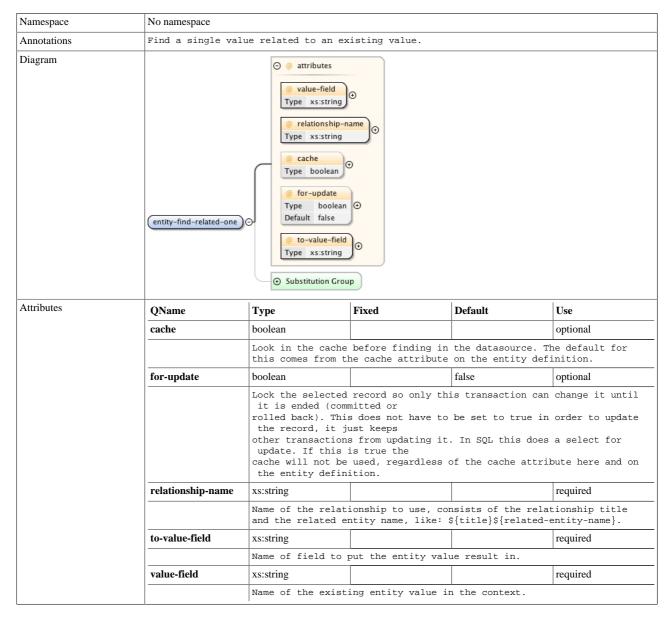
Namespace	No namespace
Annotations	Specifies whether or not to use the EntityListIterator when doing the query. This is much more efficient for large data sets because the results are read incrementally instead of all at once. Note that when using this the use-cache setting will be ignored. Also note that an EntityListIterator must be closed when you are finished, but this is done automatically by the iterate operation. Must be true or false, defaults to false.
Diagram	use-iterator
Used by	Element entity-find

Element entity-find-count

Namespace	No namespace	No namespace						
Annotations		Find the count of the number of records that match the given conditions. Conditions follow the same structure as in the entity-find operation.						
Diagram	entity-find-count		date-filter econdition econdition-ob-	o) ⊙ jject r				
Instance	<pre><date-filter date-filter=""> <econdition <a="" <acondition:="" <econdition:="" <hecondition:="" empty="false">acondition: <a>acondition: <a>acon</econdition></date-filter></pre>	<pre><entity-find-count cache="" count-field="" distinct="false" entity-name=""></entity-find-count></pre>						
Attributes	QName	Туре	Fixed	Default	Use			
	cache	boolean			optional			
				ing in the datasourd				

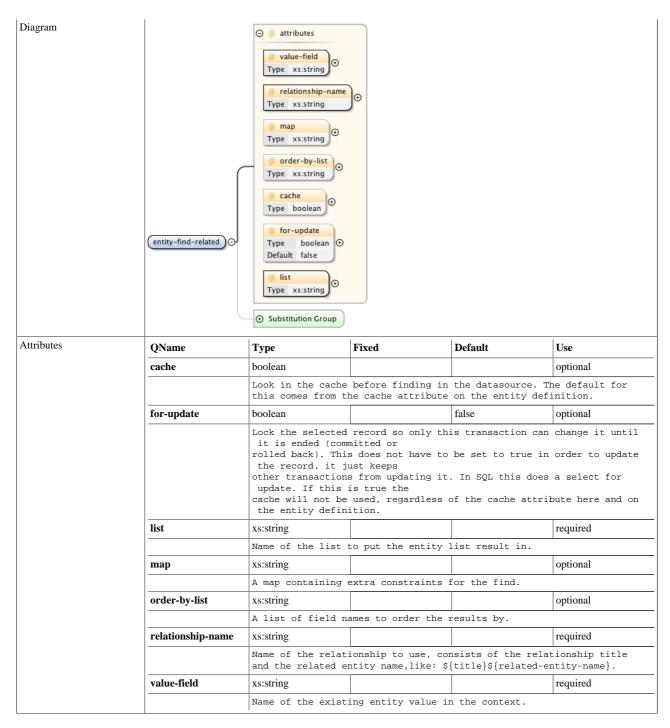
QName	Type	Fixed	Default	Use				
count-field	xs:string			required				
	Name of the field	Name of the field (variable) to put result of the count in.						
distinct	boolean		false	optional				
		Get only distinct results, based on the combination of all fields selected. Defaults to false.						
entity-name	xs:string			required				
	Name of entity to	Name of entity to search in.						

Element entity-find-related-one



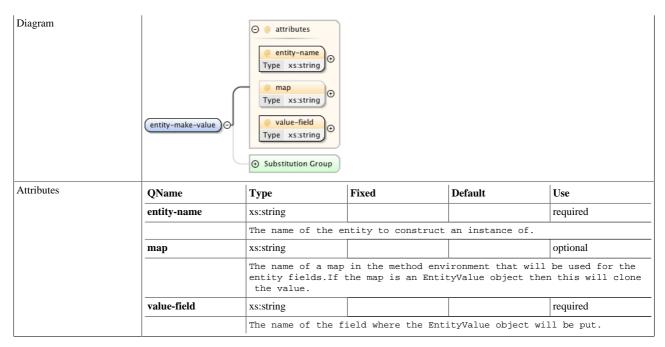
Element entity-find-related

Namespace	No namespace
Annotations	Find a list of values related to a specific value.



Element entity-make-value

Namespace	No namespace
Annotations	The make-value tag uses the delegator to construct an entity value. The resulting value will not exist in the database, but will simply be assembled using the entity-name and fields map. The resulting EntityValue object will be placed in the method environment using the specified value-field.



Element entity-create

Namespace	No namespace	No namespace						
Annotations	new instance of the entity exists in	The create-value tag persists the specified EntityValue object by creating a new instance of the entity in the datasource. An error will result if an instance of the entity exists in the datasource with the same primary key.						
Diagram	entity-create	entity-create O attributes O walue-field Type xs:string O or-update Type boolean Default false O Substitution Group						
Attributes	QName	Туре	Fixed	Default	Use			
	or-update	boolean		false	optional			
		Update value if already exists instead of returning an error, defaults to false.						
	value-field	xs:string			required			
		The name of the field that contains the EntityValue object.						

Element entity-update

Namespace	No namespace	No namespace			
Annotations		Updates the specified EntityValue object in the datasource. An error will result if the record is not found in the datasource.			
Diagram	entity-update	@ attributes @ value-field Type xs:string Substitution Group			
Attributes	QName	Type	Fixed	Default	Use
	value-field	xs:string			required
		The name of the f	ield that contains	the EntityValue of	oject.

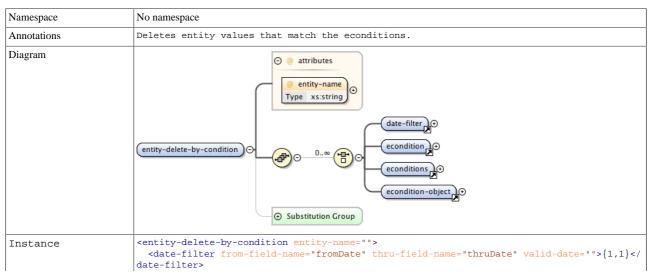
Element entity-delete

Namespace	No namespace	No namespace			
Annotations		Deletes the specified EntityValue object from the datasource. An error will result if the record is not found in the datasource.			
Diagram	entity-delete	attributes value-field Type xs:string			
Attributes	QName	Type	Fixed	Default	Use
	value-field	xs:string			required
		The name of the f	ield that contains	the EntityValue of	oject.

Element entity-delete-related

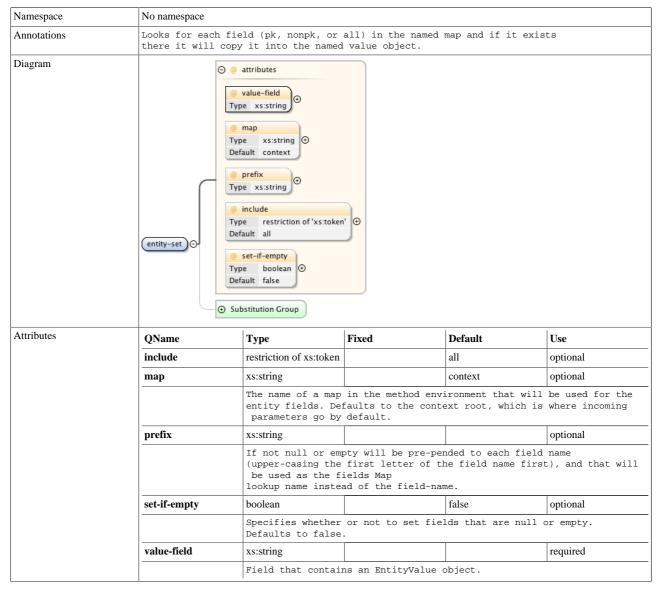
Namespace	No namespace				
Annotations	Given a value-fiel related records.	Given a value-field and a relationship-name, follows the relationship and deletes all related records.			
	many	For a type one relationship it will remove a single record if it exists, and for a type many relationship it will remove all the records that are related to it.			
	foreign keys	ascading deletes y	_		related data with
Diagram	entity-delete-related				
Attributes	QName	Туре	Fixed	Default	Use
	relationship-name	xs:string			required
		Name of a relationship to use to delete related records.			
	value-field	xs:string			required
		Field that contain from.	ns an EntityValue o	object to delete r	elated records

Element entity-delete-by-condition



	<pre><econdition empty="false" field-name="" from="" ignore="false" ignore-case="false" ignore-if-="" operator="equals" to-field-name="" value="">{1,1}</econdition></pre>					
Attributes	QName	QName Type Fixed Default Use				
	entity-name xs:string required					
		The name of the entity to remove instances of.				

Element entity-set



Element entity-sequenced-id-primary

Namespace	No namespace
Annotations	Get the next guaranteed unique seq id for this entity, and set it in the primary key field. This will set it in the first primary key field in the entity definition, but it really should be used for entities with only one primary key field.
Diagram	entity-sequenced-id-primary

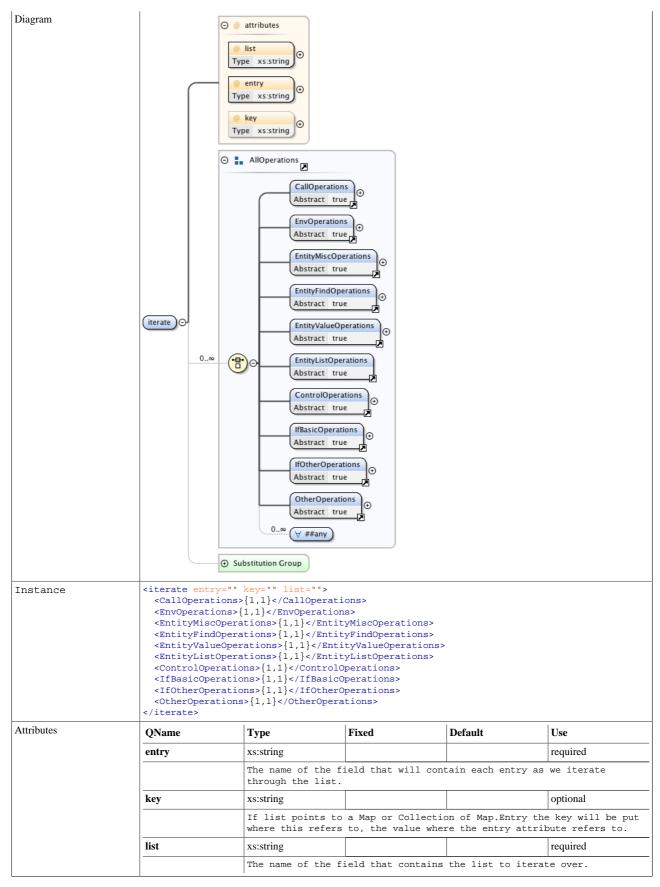
Attributes	QName	Туре	Fixed	Default	Use
	value-field	xs:string			required
		The EntityValue of	oject to work on.		

${\color{red}\textbf{Element}}\ \textbf{entity-sequenced-id-secondary}$

Namespace	No namespace	No namespace				
Annotations	Given an entity value object with all primary key fields except one already set will generate an ID for the remaining primary key field by looking at all records with the partial primary key and then adding increment-by to the highest value.					
Diagram	entity-sequenced-id-seco	entity-sequenced-id-secondary				
Attributes	QName	Type	Fixed	Default	Use	
	value-field	xs:string			required	
		The EntityValue of	oject to work on.			

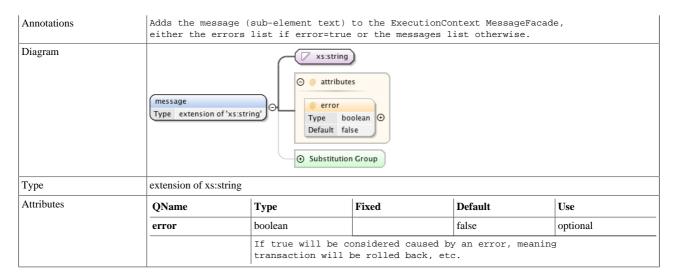
Element iterate

Namespace	No namespace
Annotations	The operations contained by the iterate tag will be executed for each of the entries in the list, and will make the current entry available in the method environment by the entry-name specified. This tag can contain any of the xml-action operations, including the conditional/if operations. Any xml-action operation can be nested under the iterate tag.



Element message

Namespace	No namespace
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Element check-errors

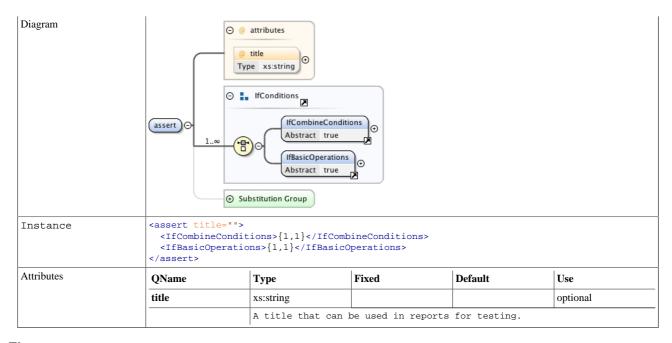
Namespace	No namespace
	Check the ExecutionContext error message list (ec.message.errors) and if it is not empty return as an error immediately.
Diagram	Check-errors ⊙ Substitution Group

Element return

Namespace	No namespace					
Annotations	Returns immediatel	Returns immediately.				
Diagram	© @ attributes © message Type xs:string © error Type boolean Default false ③ Substitution Group					
Attributes	QName	Туре	Fixed	Default	Use	
	error	boolean		false	optional	
		If true will be co		y an error, meaning	g transaction	
	message	xs:string			optional	
		_	the errors list (ec.message.message	ec.message.errors) ges) otherwise.	if error=true,	

Element assert

Namespace	No namespace
Annotations	Each condition under the assert element will be checked and if it fails an error will be added to the given error list. Note that while the definitions for the if-* operations are used, the tags should be empty because of the differing semantics. This is mainly used for testing, and for writing xml-actions that are meant to be used as part of a test suite. This is mostly useful for testing because the messages are targeted at a programmer, and not really at an end user.

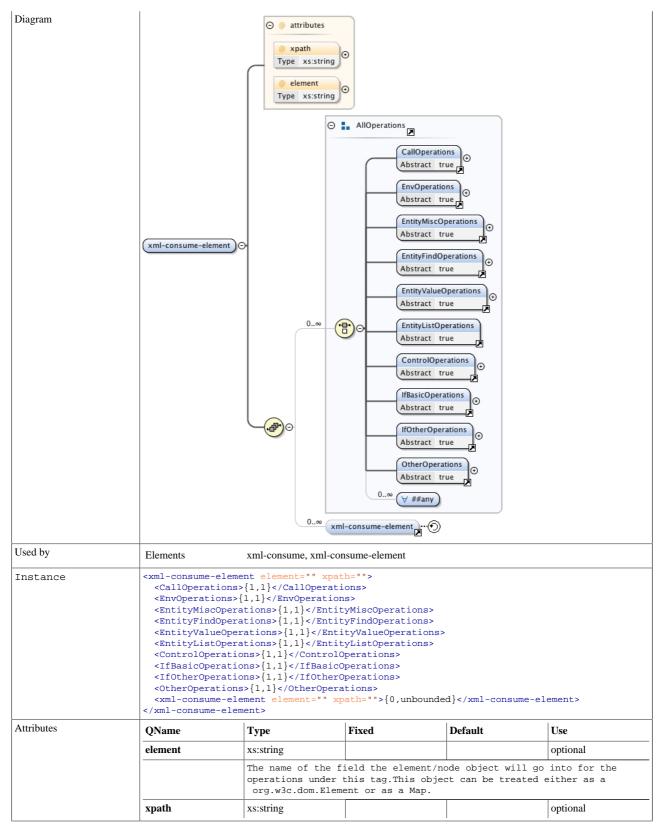


Element xml-consume

Namespace	No namespace	No namespace			
Annotations	file at a locat document or a	Used to process/consume an XML document. The document can be either a text file at a location or can be in a field in the current context that is either an XML text document or a org.w3c.dom.Document object or even a org.w3c.dom.Element object.			
Diagram	(xml-consume)	attributes location Type xs:string logation Type xs:string Substitution Group			
Instance		<pre><xml-consume field="" location=""> <xml-consume-element element="" xpath="">{0,unbounded}</xml-consume-element> </xml-consume></pre>			
Attributes	QName	Type	Fixed	Default	Use
	field	xs:string			optional
	location	xs:string			optional

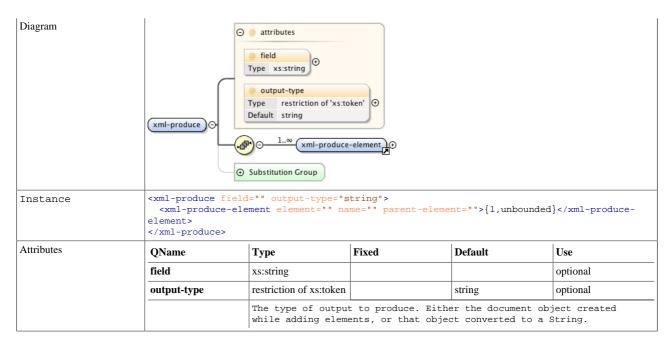
Element xml-consume-element

Namespace	No namespace
Annotations	Process a single or list of XML elements looked up using an xpath expression relative to the current element (or root element if right under the xml-consume element). The sub-operations and xml-consume-element tags will be run for each element matching the xpath expression.



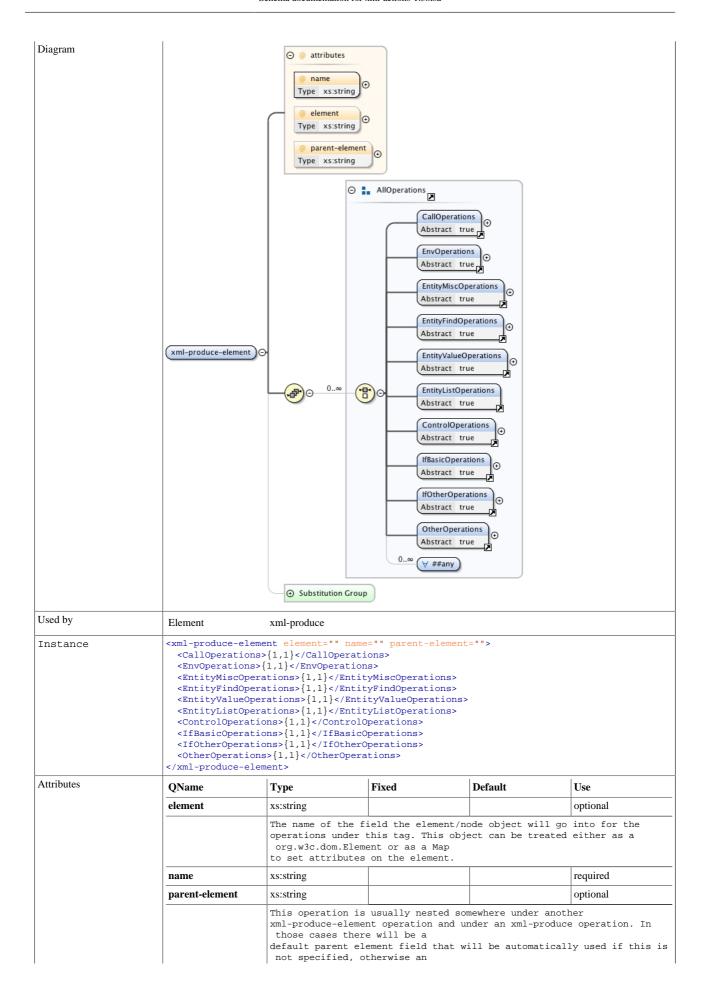
Element xml-produce

Namespace	No namespace	
	Used to produce/create an XML document object. Must have at least one xml-produce-element operation under it and that becomes the root element.	



Element xml-produce-element

Namespace	No namespace
	Create a single XML element, added to a document under the named parent element field. The element created becomes the parent element for any child xml-produce-element operations encountered.

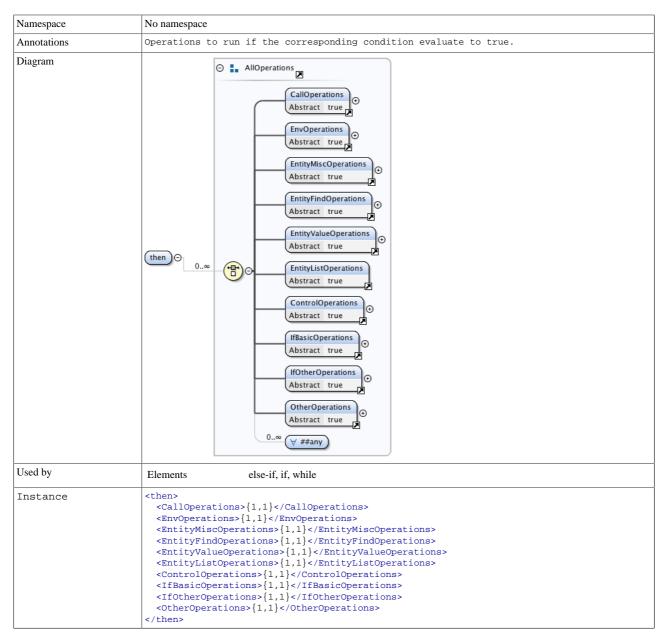


Element if

Namespace	No namespace
Annotations	The if operation offers a flexible way of specifying combinations of conditions, alternate conditions, and operations to run on true evaluation of the conditions or to run otherwise.
	The other if operations are meant for a specific, simple condition when used outside of the condition sub-element of this operation. The attributes of the other if operations are the same when used inside this operation.
	Note that while the definitions for the if-* operations are used, the tags should be empty because of the differing semantics.
Diagram	Condition Type xs.string CallOperations Abstract true Entity/indoperations Abstract true ControlOperations Abstract true If Other Operations Abstract true O O Observing O Osubstitution Group
Instance	<pre><if condition=""> <condition>{0,1}</condition> <then>{0,1}</then> <else-if condition="">{0,unbounded}</else-if> <else>{0,1}</else> </if></pre>

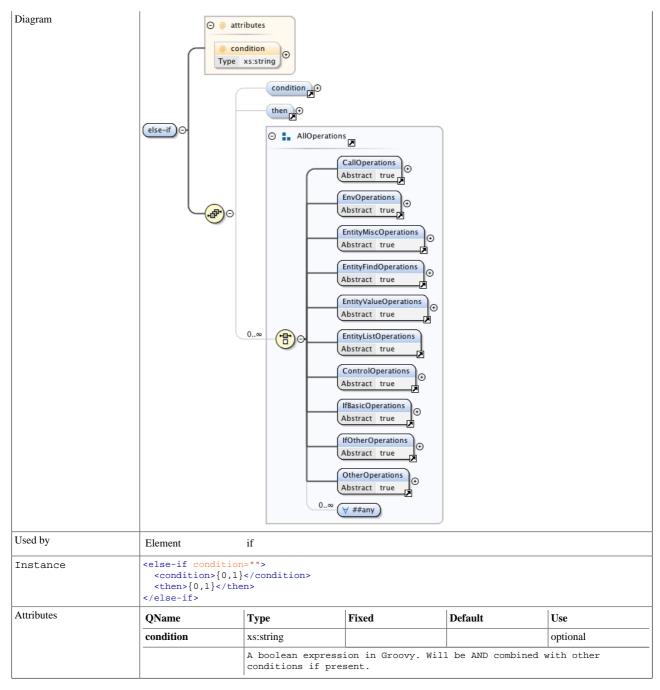
Attributes	QName	Туре	Fixed	Default	Use
	condition	xs:string			optional
		A boolean expression conditions if pres		be AND combined w	with other

Element then



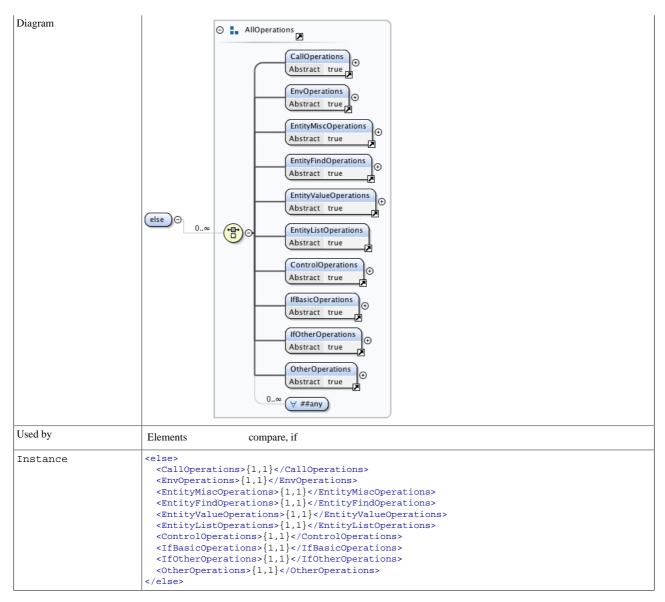
Element else-if

Namespace	No namespace
Annotations	The else-if element can be used to specify alternate conditional execution blocks. Each else-if element must contain two sub-elements: condition and then.
	If the condition of the parent is evaluated to false, each condition of the else-if sub- elements will be evaluated, and the operations under the element corresponding to the first condition that evaluates to true will be run.



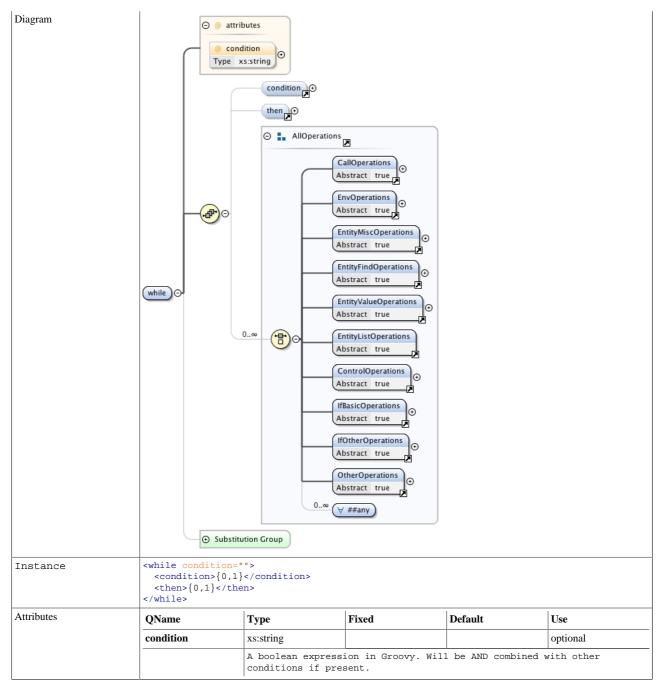
Element else

Namespace	No namespace
	The else element can be used to contain operations that will run if the condition evaluates to false, and when under an if element when no else-if sub-conditions evaluate to true. It can contain any xml-actions operation.



Element while

Namesp	ace	No namespace	
Annotati	ions	While loop operation, uses the same condition element as the if operation.	



Element or

Namespace	No namespace		
Annotations	To be true just one of the conditions underneath needs to be true. Will return true as soon as a condition is true, not evaluating remaining conditions.		
Diagram	or O Substitution Group		
Instance	<pre><or> <ifcombineconditions>{1,1}</ifcombineconditions> <ifbasicoperations>{1,1}</ifbasicoperations></or></pre>		

</or>

Element and

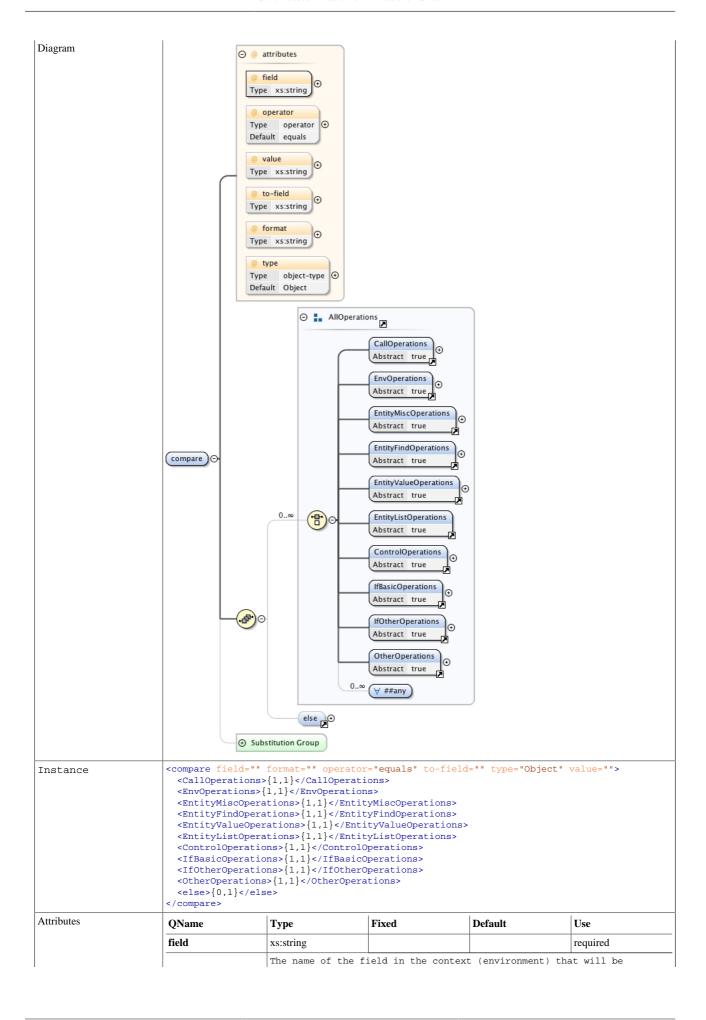
Namespace	No namespace		
Annotations	To be true all of the conditions underneath need to be true. Will return false as soon as a condition evaluates to false, not evaluating remaining conditions. If no conditions evaluate to false will return true.		
Diagram	and ⊙ IfConditions IfCombineConditions ⊕ Abstract true IfBasicOperations ⊕ Abstract true		
Instance	<and> <ifcombineconditions>{1,1}</ifcombineconditions> <ifbasicoperations>{1,1}</ifbasicoperations> </and>		

Element not

Namespace	No namespace		
Annotations	Can only have one condition underneath and simply reverse the boolean value of this condition.		
Diagram	of the informations of the information of the infor		
Instance	<not> <ifcombineconditions>{1,1}</ifcombineconditions> <ifbasicoperations>{1,1}</ifbasicoperations> </not>		

Element compare

Namespace	No namespace
Annotations	The operations contained by the if-compare tag will only be executed if the comparison returns true. This tag can contain any of the xml-action operations, including the conditional/if operations.



QName	Туре	Fixed	Default	Use
	compared.			
format	xs:string			optional
	Format string base	ed on the type of t	he object (date, r	umber, etc).
operator	operator		equals	optional
to-field	xs:string			optional
			the main field will eld attribute's va	-
type	object-type		Object	optional
value	xs:string			optional
	The value that the but can be convert	=	red to. Will evalua	te to a String

Element expression

Namespace	No namespace
Annotations	A boolean expression should be inline under this element (to avoid problems with character encoding, etc). When not under a condition element any xml-action operation can be nested under this tag, and will only be run if it evaluates to true.
Diagram	expression Type xs:string Substitution Group
Туре	xs:string

Element log

