

Schema documentation for entity-definition-1.3.xsd

20 october 2013

Table of Contents

Namespace: ""	1
Schemas	1
Main schema entity-definition-1.3.xsd	1
Elements	1
Element entities	1
Element entity	2
Element field	3
Element relationship	4
Element key-map	4
Element index	5
Element index-field	5
Element seed-data	5
Element view-entity	5
Element member-entity	6
Element entity-condition	7
Element date-filter	7
Element econdition	8
Element econditions	9
Element having-econditions	9
Element order-by	9
Element alias-all	10
Element exclude	10
Element alias	10
Element complex-alias	11
Element complex-alias-field	11
Element extend-entity	12
Simple Types	13
Simple Type cache-options	13
Simple Type authorize-skip-options	13

Namespace: ""

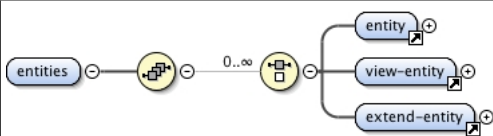
Schemas

Main schema entity-definition-1.3.xsd

Namespace	No namespace
-----------	--------------

Elements

Element entities

Namespace	No namespace
Diagram	
Instance	<pre><entities> <entity authorize-skip="false" cache="false" entity-name="" group-name="" no-update- stamp="false" optimistic-lock="false" package-name="" sequence-bank-size="50" sequence- primary-stagger="1" sequence-primary-use-uuid="false" sequence-secondary-padded- length="2" table-name="">{1,1}</entity> <view-entity authorize-skip="false" auto-clear-cache="true" cache="false" entity- name="" package-name="">{1,1}</view-entity></pre>

```
<extend-entity authorize-skip="false" cache="false" entity-name="" group-name="" no-
update-stamp="false" optimistic-lock="false" package-name="" sequence-bank-size="" table-
name="">{1,1}</extend-entity>
</entities>
```

Element entity

Namespace	No namespace
Diagram	<p>The diagram illustrates the structure of the <code>entity</code> element. It is a container for various attributes and a choice of child elements. The attributes are:</p> <ul style="list-style-type: none"> <code>entity-name</code>: Type <code>xs:string</code> <code>package-name</code>: Type <code>xs:string</code> <code>table-name</code>: Type <code>xs:string</code> <code>group-name</code>: Type <code>xs:string</code> <code>sequence-primary-use-uuid</code>: Type <code>boolean</code>, Default <code>false</code> <code>sequence-bank-size</code>: Type <code>xs:nonNegativeInteger</code>, Default <code>50</code> <code>sequence-primary-stagger</code>: Type <code>xs:nonNegativeInteger</code>, Default <code>1</code> <code>sequence-secondary-padded-length</code>: Type <code>xs:nonNegativeInteger</code>, Default <code>2</code> <code>optimistic-lock</code>: Type <code>boolean</code>, Default <code>false</code> <code>no-update-stamp</code>: Type <code>boolean</code>, Default <code>false</code> <code>cache</code>: Type <code>cache-options</code>, Default <code>false</code> <code>authorize-skip</code>: Type <code>authorize-skip-options</code>, Default <code>false</code> <p>The child elements are contained within a choice (indicated by a circle with a plus sign):</p> <ul style="list-style-type: none"> <code>description</code>: Type <code>xs:string</code>, Occurs <code>0..1</code> <code>field</code>: Type <code>field</code>, Occurs <code>1..∞</code> <code>relationship</code>: Type <code>relationship</code>, Occurs <code>0..∞</code> <code>index</code>: Type <code>index</code>, Occurs <code>0..∞</code> <code>seed-data</code>: Type <code>seed-data</code>, Occurs <code>0..1</code>
Used by	Element <code>entities</code>
Instance	<pre><entity authorize-skip="false" cache="false" entity-name="" group-name="" no-update- stamp="false" optimistic-lock="false" package-name="" sequence-bank-size="50" sequence- primary-stagger="1" sequence-primary-use-uuid="false" sequence-secondary-padded- length="2" table-name=""> <description>{0,1}</description> <field column-name="" enable-audit-log="false" enable- localization="false" encrypt="false" is-pk="false" name="" type="">{1,unbounded}</field> <relationship fk-name="" related-entity-name="" title="" type="">{0,unbounded}</ relationship> <index name="" unique="false">{0,unbounded}</index> <seed-data>{0,1}</seed-data> </entity></pre>

Attributes	QName	Type	Fixed	Default	Use
	authorize-skip	authorize-skip-options		false	optional
	cache	cache-options		false	optional
	entity-name	xs:string			required
	group-name	xs:string			optional
	no-update-stamp	boolean		false	optional
		The Entity Facade by default adds a single field (lastUpdatedStamp) to each entity for use in optimistic locking and data synchronization. If you do not want it to create that stamp for this entity then set this attribute to false.			
	optimistic-lock	boolean		false	optional
	package-name	xs:string			required
	sequence-bank-size	xs:nonNegativeInteger		50	optional
	sequence-primary-stagger	xs:nonNegativeInteger		1	optional
		The maximum amount to stagger the sequenced ID, if 1 the sequence will be incremented by 1, otherwise the current sequence ID will be incremented by a value between 1 and staggerMax.			
	sequence-primary-use-uuid	boolean		false	optional
		Uses java.util.UUID.randomUUID() to get sequenced IDs for this entity.			
	sequence-secondary-padded-length	xs:nonNegativeInteger		2	optional
		If specified front-pads the secondary sequenced value with zeroes until it is this length. Defaults to 2.			
	table-name	xs:string			optional

Element field

Namespace	No namespace
Diagram	
Used by	Elements entity, extend-entity
Instance	<pre><field column-name="" enable-audit-log="false" enable-localization="false" encrypt="false" is-pk="false" name="" type=""></pre>

	<code><description>{0,1}</description></code> <code></field></code>				
Attributes	QName	Type	Fixed	Default	Use
	column-name	xs:string			optional
	enable-audit-log	boolean		false	optional
		If true whenever the value for this field on a record changes the Entity Facade will record the change in the moqui.entity.EntityAuditLog entity. Defaults to false.			
	enable-localization	boolean		false	optional
		If true gets on this field will be looked up with the moqui.basic.LocalizedEntityField entity and if there is a matching record the localized value there will be returned instead of the actual record's value. Defaults to false for performance reasons, only set to true for fields that will have translations.			
	encrypt	boolean		false	optional
	is-pk	boolean		false	optional
	name	xs:string			required
	type	restriction of xs:token			required

Element relationship

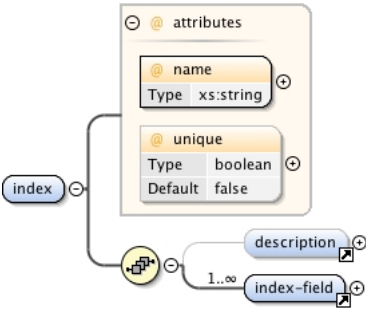
Namespace	No namespace				
Diagram					
Used by	Elements entity, extend-entity, view-entity				
Instance	<code><relationship fk-name=" " related-entity-name=" " title=" " type=" "></code> <code> <description>{0,1}</description></code> <code> <key-map field-name=" " related-field-name=" ">{0,unbounded}</key-map></code> <code></relationship></code>				
Attributes	QName	Type	Fixed	Default	Use
	fk-name	xs:string			optional
	related-entity-name	xs:string			required
	title	xs:string			optional
	type	restriction of xs:token			required

Element key-map

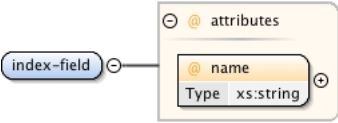
Namespace	No namespace				
Diagram					

Used by	Elements member-entity, relationship				
Attributes	QName	Type	Fixed	Default	Use
	field-name	xs:string			required
	related-field-name	xs:string			optional


Element index

Namespace	No namespace				
Diagram					
Used by	Elements entity, extend-entity				
Instance	<pre><index name=" " unique="false"> <description>{0,1}</description> <index-field name=" " {1,unbounded}</index-field> </index></pre>				
Attributes	QName	Type	Fixed	Default	Use
	name	xs:string			required
	unique	boolean		false	optional

Element index-field

Namespace	No namespace				
Diagram					
Used by	Element	index			
Attributes	QName	Type	Fixed	Default	Use
	name	xs:string			required

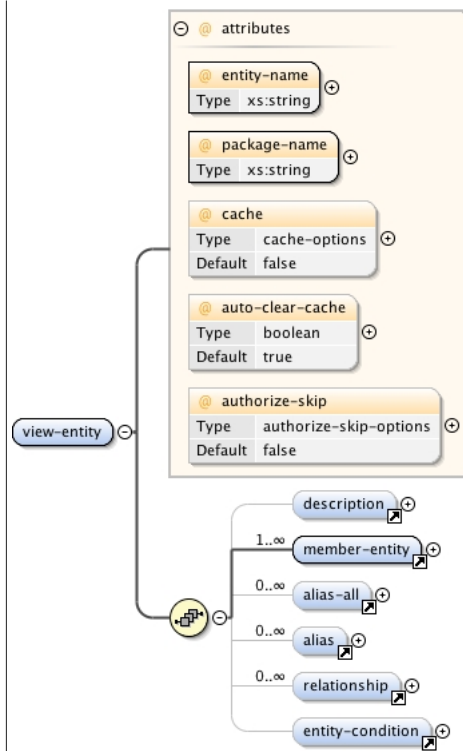
Element seed-data

Namespace	No namespace				
Diagram					
Used by	Elements	entity, extend-entity			

Element view-entity

Namespace	No namespace				
-----------	--------------	--	--	--	--

Diagram



Used by

Element entities

Instance

```

<view-entity authorize-skip="false" auto-clear-cache="true" cache="false" entity-
name=" " package-name=" ">
  <description>{0,1}</description>
  <member-entity entity-alias=" " entity-name=" " join-from-alias=" " join-
optional=" ">{1,unbounded}</member-entity>
  <alias-all entity-alias=" " prefix=" ">{0,unbounded}</alias-all>
  <alias entity-alias=" " field=" " function=" " name=" ">{0,unbounded}</alias>
  <relationship fk-name=" " related-entity-name=" " title=" " type=" ">{0,unbounded}</
relationship>
  <entity-condition distinct="false">{0,1}</entity-condition>
</view-entity>
  
```

Attributes

QName	Type	Fixed	Default	Use
authorize-skip	authorize-skip-options		false	optional
auto-clear-cache	boolean		true	optional
cache	cache-options		false	optional
entity-name	xs:string			required
package-name	xs:string			required

Element member-entity

Namespace	No namespace
-----------	--------------

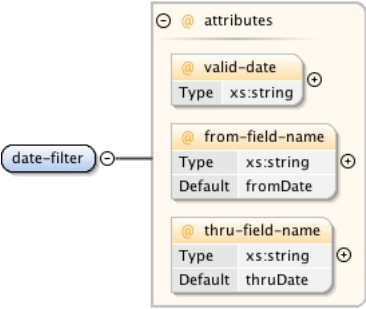
Diagram					
Used by	Element	view-entity			
Instance	<pre><member-entity entity-alias="" entity-name="" join-from-alias="" join-optional=""> <description>{0,1}</description> <key-map field-name="" related-field-name="">{0,unbounded}</key-map> <entity-condition distinct="false">{0,1}</entity-condition> </member-entity></pre>				
Attributes	QName	Type	Fixed	Default	Use
	entity-alias	xs:string			required
	entity-name	xs:string			required
	join-from-alias	xs:string			optional
	join-optional	xs:string			optional

Element entity-condition

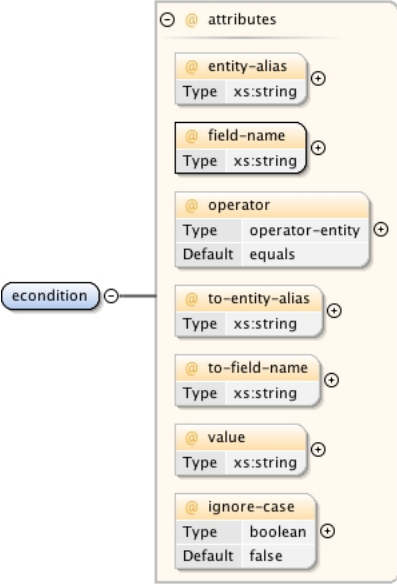
Namespace	No namespace				
Diagram					
Used by	Elements	member-entity, view-entity			
Instance	<pre><entity-condition distinct="false"> <date-filter from-field-name="fromDate" thru-field-name="thruDate" valid-date="">{1,1}</date-filter> <econdition entity-alias="" field-name="" ignore-case="false" operator="equals" to-entity-alias="" to-field-name="" value="">{1,1}</econdition> <econditions combine="and">{1,1}</econditions> <having-econditions combine="and">{0,1}</having-econditions> <order-by field-name="">{0,unbounded}</order-by> </entity-condition></pre>				
Attributes	QName	Type	Fixed	Default	Use
	distinct	boolean		false	optional

Element date-filter

Namespace	No namespace
-----------	--------------

Annotations	Adds a econdition to find to filter by the from and thru dates in each record, comparing them to the valid-date value.				
Diagram					
Used by	Elements	econditions, entity-condition, having-econditions			
Attributes	QName	Type	Fixed	Default	Use
	from-field-name	xs:string		fromDate	optional
	The name of the entity field to use as the from/beginning effective 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 econdition

Namespace	No namespace				
Diagram					
Used by	Elements	econditions, entity-condition, having-econditions			
Attributes	QName	Type	Fixed	Default	Use
	entity-alias	xs:string			optional
	field-name	xs:string			required
	ignore-case	boolean		false	optional
	operator	operator-entity		equals	optional
	to-entity-alias	xs:string			optional
	to-field-name	xs:string			optional
	value	xs:string			optional

Element econditions

Namespace	No namespace				
Diagram					
Used by	Elements econditions, entity-condition, having-econditions				
Instance	<pre><econditions combine="and"> <date-filter from-field-name="fromDate" thru-field-name="thruDate" valid-date="">{1,1}</date-filter> <econdition entity-alias="" field-name="" ignore-case="false" operator="equals" to-entity-alias="" to-field-name="" value="">{1,1}</econdition> <econditions combine="and">{1,1}</econditions> </econditions></pre>				
Attributes	QName	Type	Fixed	Default	Use
	combine	restriction of xs:token		and	optional

Element having-econditions

Namespace	No namespace				
Diagram					
Used by	Element entity-condition				
Instance	<pre><having-econditions combine="and"> <date-filter from-field-name="fromDate" thru-field-name="thruDate" valid-date="">{1,1}</date-filter> <econdition entity-alias="" field-name="" ignore-case="false" operator="equals" to-entity-alias="" to-field-name="" value="">{1,1}</econdition> <econditions combine="and">{1,1}</econditions> </having-econditions></pre>				
Attributes	QName	Type	Fixed	Default	Use
	combine	restriction of xs:token		and	optional

Element order-by

Namespace	No namespace				
Diagram					
Used by	Element entity-condition				
Attributes	QName	Type	Fixed	Default	Use
	field-name	xs:string			required

Element alias-all

Namespace	No namespace				
Diagram					
Used by	Element	view-entity			
Instance	<pre><alias-all entity-alias="" prefix=""> <description>{0,1}</description> <exclude field="">{0,unbounded}</exclude> </alias-all></pre>				
Attributes	QName	Type	Fixed	Default	Use
	entity-alias	xs:string			required
	prefix	xs:string			optional

Element exclude

Namespace	No namespace				
Diagram					
Used by	Element	alias-all			
Attributes	QName	Type	Fixed	Default	Use
	field	xs:string			required

Element alias

Namespace	No namespace				
Diagram					
Used by	Element	view-entity			
Instance	<pre><alias entity-alias="" field="" function="" name=""> <description>{0,1}</description> <complex-alias operator="">{0,1}</complex-alias> </alias></pre>				
Attributes	QName	Type	Fixed	Default	Use
	entity-alias	xs:string			optional

	QName	Type	Fixed	Default	Use
	field	xs:string			optional
	function	aggregate-function			optional
	name	xs:string			required

Element complex-alias

Namespace	No namespace				
Annotations	<p>In every SELECT statement, the fields that are normally used are really defined to be expressions.</p> <p>This means for example that you can supply an expression like (discountPercent * 100) in place of just a field name.</p> <p>The complex-alias tag is the way to do this.</p> <p>The argument to the right of operator = can be any operator valid for that data type on the database system you are using.</p> <p>For example, *, +, -, and / are commonly available mathematical operators (min, max, sum, avg, count, count-distinct, upper, lower)</p> <p>You can also use any operator on any data type supported on the underlying database system including string and date operators.</p> <p>complex-alias can be as complex as you need by adding nested complex-alias statements and complex-alias-field</p> <p>can use the same functions (min, max, count, count-distinct, sum, avg, upper, and lower) as the alias tag.</p>				
Diagram					
Used by	Elements	alias, complex-alias			
Instance	<pre><complex-alias operator=""> <complex-alias operator="">{1,1}</complex-alias> <complex-alias-field default-value="" entity-alias="" field="" function="">{1,1}</complex-alias-field> </complex-alias></pre>				
Attributes	QName	Type	Fixed	Default	Use
	operator	xs:string			required

Element complex-alias-field

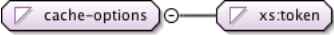
Namespace	No namespace				
Diagram					
Used by	Element	complex-alias			
Attributes	QName	Type	Fixed	Default	Use
	default-value	xs:string			optional
	entity-alias	xs:string			required
	field	xs:string			required
	function	aggregate-function			optional

Element extend-entity


Namespace	No namespace				
Diagram					
Used by	Element	entities			
Instance	<pre><extend-entity authorize-skip="false" cache="false" entity-name="" group-name="" no- update-stamp="false" optimistic-lock="false" package-name="" sequence-bank-size="" table- name="" > <field column-name="" enable-audit-log="false" enable- localization="false" encrypt="false" is-pk="false" name="" type="">{0,unbounded}</field> <relationship fk-name="" related-entity-name="" title="" type="">{0,unbounded}</ relationship> <index name="" unique="false">{0,unbounded}</index> <seed-data>{0,1}</seed-data> </extend-entity></pre>				
Attributes	QName	Type	Fixed	Default	Use
	authorize-skip	authorize-skip- options		false	optional
	cache	cache-options		false	optional
	entity-name	xs:string			required
	group-name	xs:string			optional
	no-update-stamp	boolean		false	optional
	optimistic-lock	boolean		false	optional
	package-name	xs:string			required
	sequence-bank-size	xs:string			optional
	table-name	xs:string			optional

Simple Types

Simple Type cache-options

Namespace	No namespace		
Diagram			
Type	restriction of xs:token		
Facets	enumeration	true	Use cache during queries by default (code may override this).
	enumeration	false	Do not use cache during queries by default (code may override this).
	enumeration	never	Do not use cache during queries ever (code may NOT override this).
Used by	Attributes	entity/@cache, extend-entity/@cache, view-entity/@cache	

Simple Type authorize-skip-options

Namespace	No namespace		
Diagram			
Type	restriction of xs:token		
Facets	enumeration	true	
	enumeration	false	
	enumeration	create	
	enumeration	view	
	enumeration	view-create	
Used by	Attributes	entity/@authorize-skip, extend-entity/@authorize-skip, view-entity/@authorize-skip	