

Schema documentation for entity-definition-1.1.xsd

Publication date 7 august 2012

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Namespace: ""

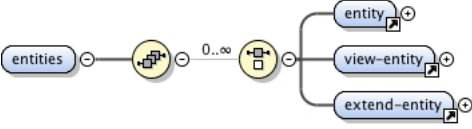
Schemas

Main schema entity-definition-1.1.xsd

Namespace	No namespace
Properties	attribute form default: unqualified element form default: qualified

Elements

Element entities

Namespace	No namespace
Diagram	
Properties	content: complex
Model	(entity view-entity extend-entity)
Children	entity, extend-entity, view-entity

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-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> <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> </pre>
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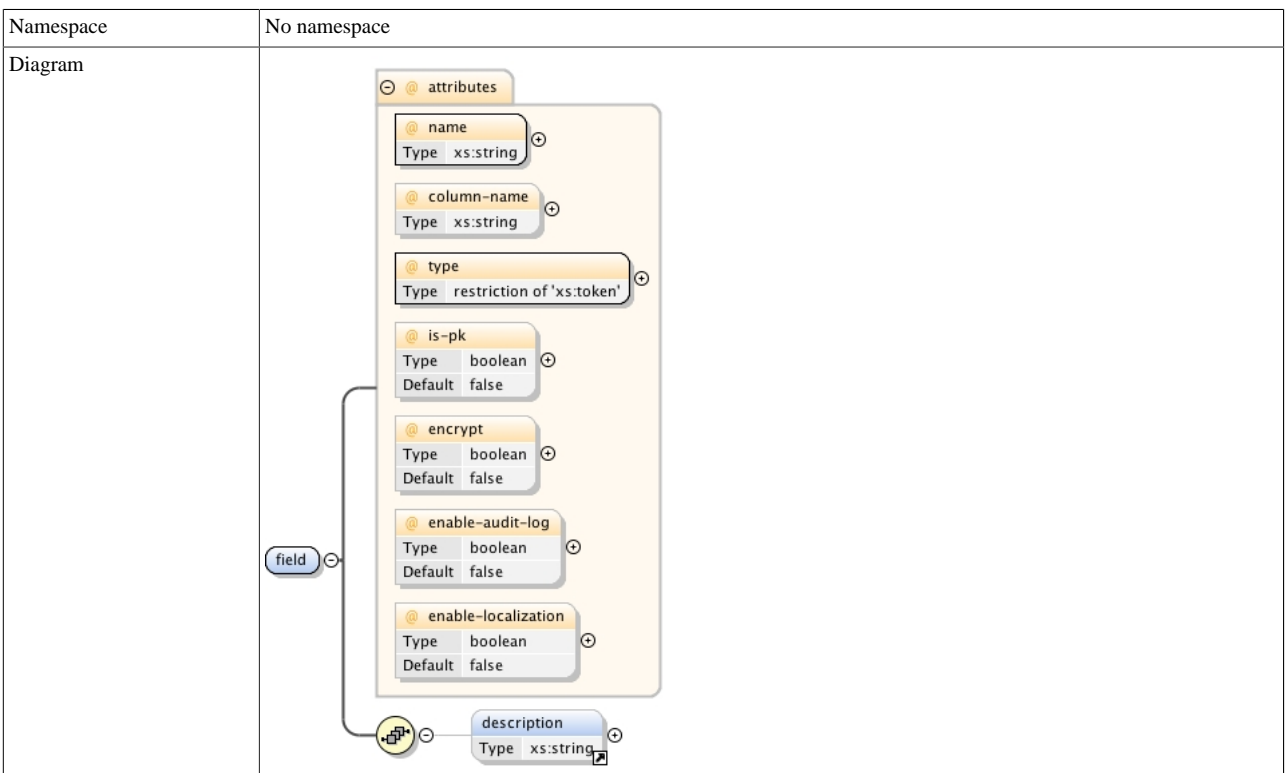
Element entity

Namespace	No namespace
Diagram	<pre> graph TD entity((entity)) --- attributes subgraph attributes direction TB entity-name[entity-name Type xs:string] package-name[package-name Type xs:string] table-name[table-name Type xs:string] group-name[group-name Type xs:string] sequence-bank-size[sequence-bank-size Type xs:nonNegativeInteger Default 50] sequence-primary-stagger[sequence-primary-stagger Type xs:nonNegativeInteger Default 1] sequence-secondary-padded-length[sequence-secondary-padded-length Type xs:nonNegativeInteger Default 2] optimistic-lock[optimistic-lock Type boolean Default false] no-update-stamp[no-update-stamp Type boolean Default false] cache[cache Type cache-options Default false] authorize-skip[authorize-skip Type authorize-skip-options Default false] end entity --- content subgraph content direction TB description[description Type xs:string] field[field 1..∞] relationship[relationship 0..∞] index[index 0..∞] seed-data[seed-data 0..1] end </pre>
Properties	content: complex
Used by	Element entities
Model	description{0,1} , field+ , relationship* , index* , seed-data{0,1}
Children	description, field, index, relationship, seed-data
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-secondary-padded-length="2" table-name=""> </pre>

```
<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>
```

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-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



Properties	content: complex				
Used by	Elements entity, extend-entity				
Model	description{0,1}				
Children	description				
Instance	<pre><field column-name="" enable-audit-log="false" enable-localization="false" encrypt="false" is-pk="false" name="" type=""> <description>{0,1}</description> </field></pre>				
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	<pre>graph TD relationship[relationship] --- attributes[attributes] relationship --- description[description] relationship --- key-map[key-map] attributes --- type[type] attributes --- title[title] attributes --- related-entity-name[related-entity-name] attributes --- fk-name[fk-name]</pre>				
Properties	content:	complex			
Used by	Elements	entity, extend-entity, view-entity			
Model	description{0,1} , key-map*				
Children	description, key-map				
Instance	<pre><relationship fk-name="" related-entity-name="" title="" type=""> <description>{0,1}</description> <key-map field-name="" related-field-name="">{0,unbounded}</key-map> </relationship></pre>				
Attributes	QName	Type	Fixed	Default	Use
	fk-name	xs:string			optional
	related-entity-name	xs:string			required
	title	xs:string			optional

	QName	Type	Fixed	Default	Use
	type	restriction of xs:token			required

Element key-map

Namespace	No namespace				
Diagram					
Properties	content:	complex			
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

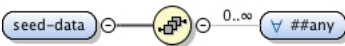
Namespace	No namespace				
Diagram					
Properties	content:	complex			
Used by	Elements	entity, extend-entity			
Model	description{0,1} , index-field+				
Children	description, index-field				
Instance	<pre><index name=" " unique="false"> <description>{0,1}</description> <index-field name=" ">{1,unbounded}</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					
Properties	content:	complex			
Used by	Element	index			

Attributes	QName	Type	Fixed	Default	Use
	name	xs:string			required

Element seed-data

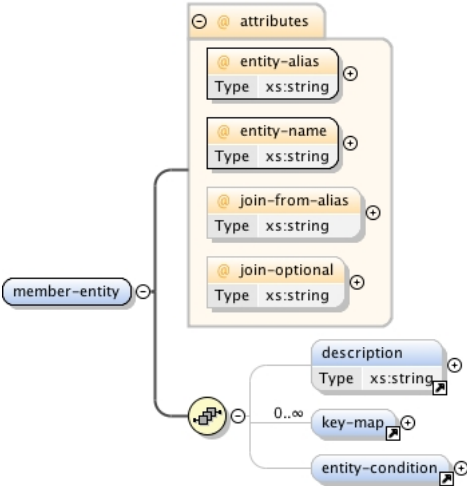
Namespace	No namespace	
Diagram		
Properties	content:	complex
Used by	Elements	entity, extend-entity
Model	ANY element from ANY namespace	

Element view-entity

Namespace	No namespace				
Diagram					
Properties	content:	complex			
Used by	Element	entities			
Model	description{0,1} , member-entity+ , alias-all* , alias* , relationship* , entity-condition{0,1}				
Children	alias, alias-all, description, entity-condition, member-entity, relationship				
Instance	<pre><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></pre>				
Attributes	QName	Type	Fixed	Default	Use
	authorize-skip	authorize-skip-options		false	optional

	QName	Type	Fixed	Default	Use
	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					
Properties	content:	complex			
Used by	Element	view-entity			
Model	description{0,1} , key-map* , entity-condition{0,1}				
Children	description, entity-condition, key-map				
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					

Properties	content: complex				
Used by	Elements member-entity, view-entity				
Model	(date-filter econdition econditions) , having-econditions{0,1} , order-by*				
Children	date-filter, econdition, econditions, having-econditions, order-by				
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					
Properties	content:	complex			
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
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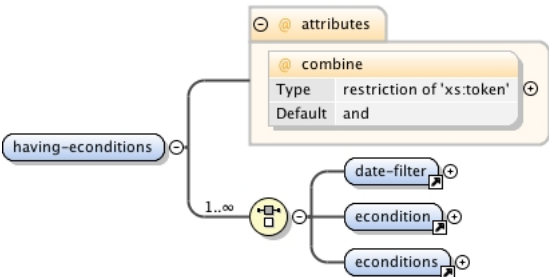
Diagram					
Properties	content:	complex			
Used by	Elements	econditions, entity-condition, having-econditions			
Attributes	QName	Type	Fixed	Default	Use
	entity-alias	xs:string			optional
	field-name	xs:string			required
	ignore-case	boolean		false	optional
	operator	operator-entity		equals	optional
	to-entity-alias	xs:string			optional
	to-field-name	xs:string			optional
	value	xs:string			optional

Element econditions

Namespace	No namespace
Diagram	
Properties	content: complex
Used by	Elements econditions, entity-condition, having-econditions
Model	date-filter econdition econditions
Children	date-filter, econdition, 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					
Properties	content:	complex			
Used by	Element	entity-condition			
Model	date-filter econdition econditions				
Children	date-filter, econdition, econditions				
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

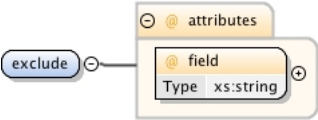
Namespace	No namespace				
Diagram					
Properties	content:	complex			
Used by	Element	entity-condition			
Attributes	QName	Type	Fixed	Default	Use
	field-name	xs:string			required

Element alias-all

Namespace	No namespace				
Diagram					
Properties	content:	complex			

Used by	Element view-entity				
Model	description{0,1} , exclude*				
Children	description, exclude				
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

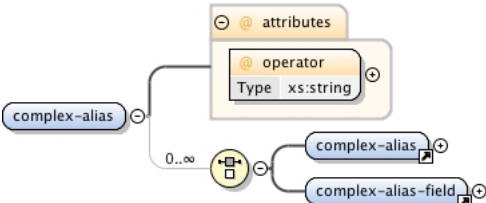
Element exclude

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

Element alias

Namespace	No namespace				
Diagram					
Properties	content:	complex			
Used by	Element	view-entity			
Model	description{0,1} , complex-alias{0,1}				
Children	complex-alias, description				
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
	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					
Properties	content:	complex			
Used by	Elements	alias, complex-alias			
Model	complex-alias complex-alias-field				
Children	complex-alias, complex-alias-field				
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					
Properties	content:	complex			
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					
Properties	content:	complex			
Used by	Element	entities			
Model	field* , relationship* , index* , seed-data{0,1}				
Children	field, index, relationship, seed-data				
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

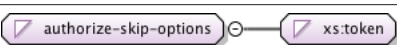
	QName	Type	Fixed	Default	Use
	table-name	xs:string			optional

Simple Types

Simple Type cache-options

Namespace	No namespace				
Diagram					
Type	restriction of xs:token				
Facets	enumeration	true, false, never			
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, false, create, view, view-create			
Used by	Attributes	entity/@authorize-skip, extend-entity/@authorize-skip, view-entity/@authorize-skip			