# Schema documentation for service-definition-1.3.xsd

20 october 2013

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## Namespace: ""

#### **Schemas**

Main schema service-definition-1.3.xsd

Namespace	No namespace
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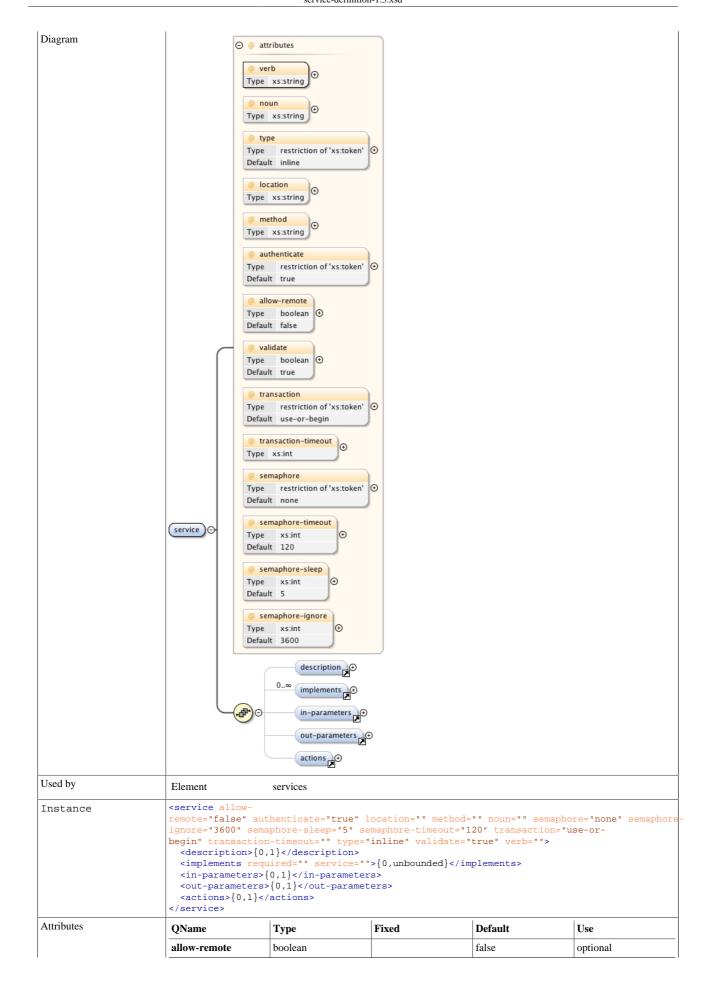
#### **Elements**

#### **Element** services

Namespace	No namespace
Diagram	Services ⊙ 0∞ Service Service
Instance	<pre>     <services>         <service allow-="" authenticate="true" ignore="3600" location="" method="" noun="" remote="false" semaphore="" semaphore-sleep="5" semaphore-timeout="120" transaction="use-or-     begin" transaction-timeout="" type="inline" validate="true" verb="">{0,unbounded}<!--         service-->         </service> </services></pre>

## Element service

Namespace	No namespace
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QName	Type	Fixed	Default	Use			
authenticate	restriction of xs:token		true	optional			
	If not set to false (is true by default) a user much be logged in to						
	run this service	. If the g in an ExecutionCo	ontext with a user	logged in that			
	will qualify. If	not then					
		rAccount" parametem arameters must be	r or the "authUser	name" AND			
		t contain valid val	lues for a user of	the system.			
	"authPassword" pa	ccount" parameter d arameters are passe	ed				
	in they will be us to the Execution the service is ru		e call even if a u	ser is logged in			
	An "authTenantId" user in a specif:	parameter may also	be specified to	authenticate the			
	_	ified will be used	to run the service	e with that as th			
	not be required,						
	actions or for v	as if authorized (\iew-only.	using the _NA_ use.	raccount; for all			
location	xs:string			optional			
method	xs:string			optional			
noun	xs:string			optional			
	other cases an en	ervices this should ntity name is escribe what is be					
semaphore	restriction of xs:token		none	optional			
	uses a record in	vice so that only o					
semaphore-ignore	xs:int		3600	optional			
	Ignore existing se	emaphores after th	is time, in seconda	S.			
semaphore-sleep	xs:int		5	optional			
	When waiting how seconds.	long to sleep betwe	een checking the s	emaphore, in			
semaphore-timeout	xs:int		120	optional			
	When waiting how	long before timing	out, in seconds.	1			
transaction	restriction of xs:token		use-or-begin	optional			
transaction-timeout	xs:int			optional			
	Defines the timeout for the transaction, in seconds.  This value is only used if this service begins a transaction (either require-new, or use-or-begin and there is no other transaction already in place).						
type	restriction of xs:token		inline	optional			
validate	boolean		true	optional			
verb	xs:string required						
	This can be any verb, and will often be one of: create, update, delete or find. The full name of the service will be: "\${verb}\${noun}". The verb is required and the noun is optional so if there is						
		ce name will be jus	st the verb.				

## **Element** implements

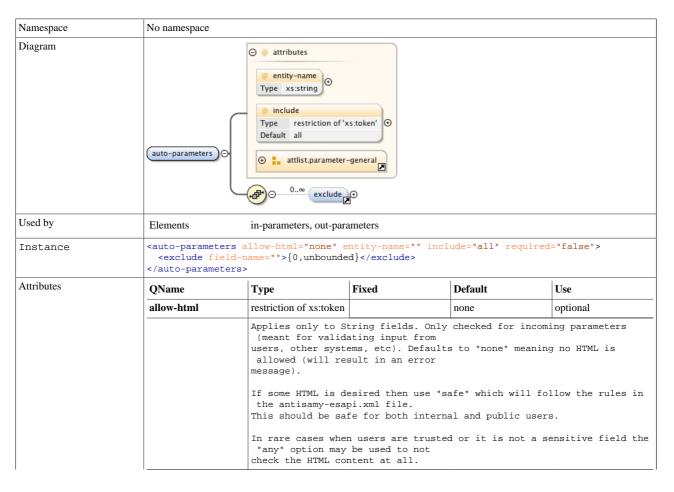
Namespace
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Diagram	implements   a service Type xs:string  a required Type boolean					
Used by	Element	service				
Attributes	QName	Туре	Fixed	Default	Use	
	required	boolean			optional	
		If set to true or false all parameters inherited have that value for the required attribute.				
	service	xs:string			required	

#### Element in-parameters

Namespace	No namespace
Diagram	in-parameters ⊙ 0∞ (auto-parameters) ⊙ parameter (parameter) ⊙ (param
Used by	Element service
Instance	<pre><in-parameters>     <auto-parameters allow-html="none" entity-name="" include="all" required="false">{1,1}</auto-parameters>     <parameter allow-html="none" default-="" format="" name="" required="false" type="String" value="">{1,1}</parameter>     </in-parameters></pre>

#### Element auto-parameters

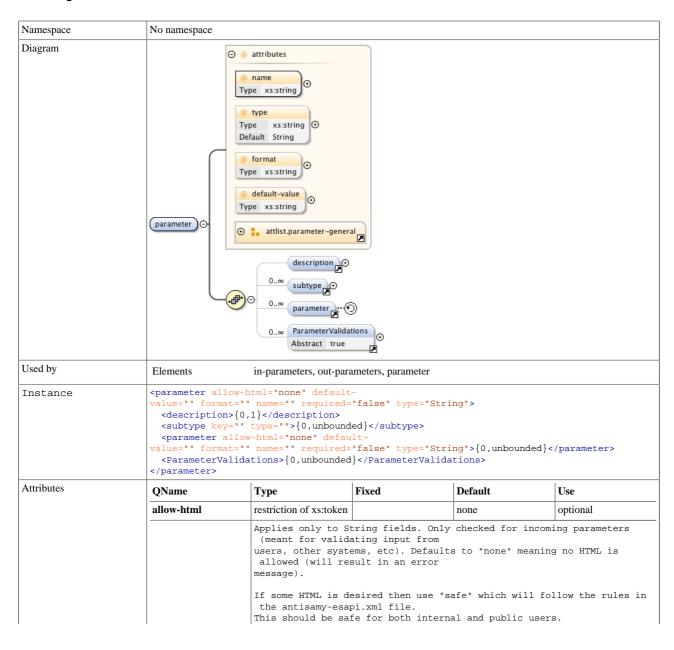


QName	Type	Fixed	Default	Use
entity-name	xs:string			optional
include	restriction of xs:token		all	optional
required	restriction of xs:token		false	optional

#### Element exclude

Namespace	No namespace	No namespace				
Diagram	exclude O—					
Used by	Element	Element auto-parameters				
Attributes	QName	Туре	Fixed	Default	Use	
	field-name		required			

#### Element parameter



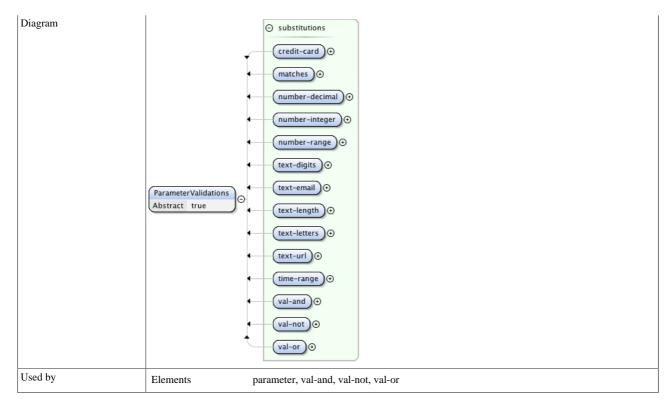
QName	Type	Fixed	Default	Use			
	"any" option may	In rare cases when users are trusted or it is not a sensitive field the "any" option may be used to not check the HTML content at all.					
default-value	xs:string			optional			
	The value specified will be used for the parameter if no value is passed in (only used if required=false).						
format	xs:string			optional			
	something other th	nan String to converse standard Java for racle.com/javase/6,	sed in as a String ert to that type.  mat strings descri /docs/api/java/text	bed here:			
name	xs:string			required			
required	restriction of xs:token		false	optional			
type	xs:string		String	optional			

## Element subtype

Namespace	No namespace	No namespace					
Annotations	collection.  If the parent type type of the subty	If the parent type is a Map then the key should be a String and the value should be the type of the subtype where the key attribute matches the Map key, or for all other Map keys not specified the subtype with no					
Diagram	@ kt Type						
Used by	Elements	Elements parameter, subtype					
Instance		<pre><subtype key="" type="">   <subtype key="" type="">{0,unbounded}</subtype> </subtype></pre>					
Attributes	QName	Туре	Fixed	Default	Use		
	key	xs:string			optional		
	type xs:string required						

## **Element ParameterValidations**

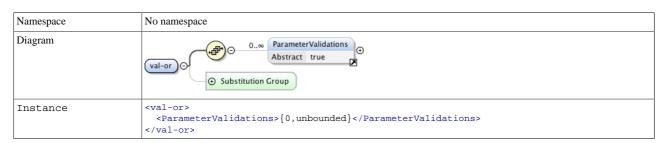
Namespace No namespace
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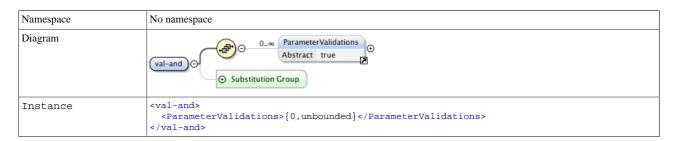
#### Element out-parameters

Namespace	No namespace
Diagram	out-parameters ⊙ 0∞ auto-parameters ⊙ parameter ⊙
Used by	Element service
Instance	<pre><out-parameters>     <auto-parameters allow-html="none" entity-name="" include="all" required="false">{1,1}</auto-parameters>     <parameter allow-html="none" default-="" format="" name="" required="false" type="String" value="">{1,1}</parameter> </out-parameters></pre>

#### Element val-or



#### Element val-and



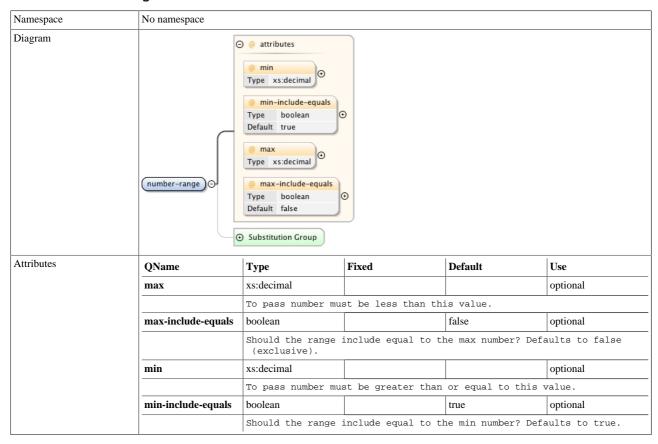
## Element val-not

Namespace	No namespace
Diagram	O∞ Parameter Validations Abstract true  Substitution Group
Instance	<pre><val-not>   <parametervalidations>{0,unbounded}</parametervalidations> </val-not></pre>

#### Element matches

Namespace	No namespace						
Annotations	Validate the current parameter against the regular expression specified in the regexp attribute.						
Diagram	☐ @ attributes  ☐ regexp Type xs:string ☐ message Type xs:string ☐ Substitution Group						
Attributes	QName Type Fixed Default Use						
	message xs:string				required		
	regexp	regexp xs:string required					

#### Element number-range



#### Element number-integer

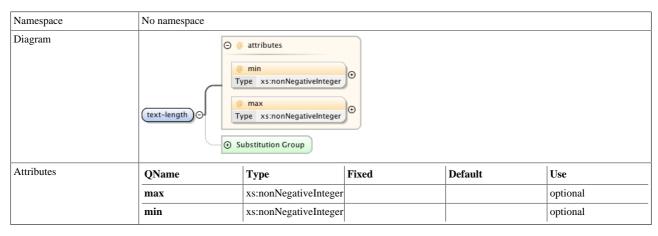
	Namespace	No namespace	
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#### Element number-decimal

Namespace	No namespace
Diagram	number-decimal     ⊙       ⊕     Substitution Group

#### Element text-length



#### Element text-email

Namespace	No namespace
Diagram	text-email

#### Element text-url

Namespace	Io namespace		
Diagram	text-url ⊙		

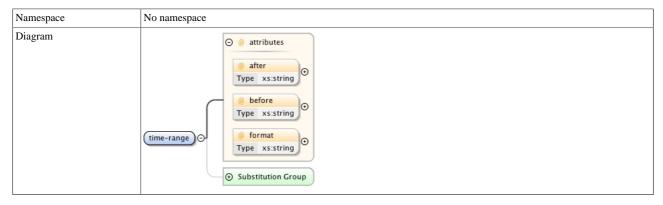
#### Element text-letters

Namespace	No namespace
Diagram	text-letters ⊙

#### Element text-digits

Namespace	No namespace
Diagram	text-digits ⊙ ⊙ Substitution Group

#### Element time-range



Attributes	QName	Type	Fixed	Default	Use	
	after	xs:string			optional	
		Can be date/time string, or "now" to compare to the current time.				
	before	xs:string			optional	
		Can be date/time now" to compare	string, or to the current tim	е.		
	format	xs:string			optional	
		If the value is a instead of Date/T		cify the format f	for conversion here.	

## Element credit-card

Namespace	No namespace					
Diagram	© @ attributes  @ types Type xs:string  ① Substitution Group					
Attributes	QName	Туре	Fixed	Default	Use	
	types	xs:string			optional	
		A comma-separated list of the types of credit card to allow. The available options include: visa, mastercard, amex, discover, dinersclub  If empty defaults to allow any type of card (ie doesn't check the card type, just checks the number using the Luhn MOD-10 checksum).  NOTE: removed with updated for Validator 1.4.0: enroute, jcb, solo, switch, visaelectron				