Schema documentation for service-definition-1.1.xsd

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Namespace: ""

Schemas

Main schema service-definition-1.1.xsd

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

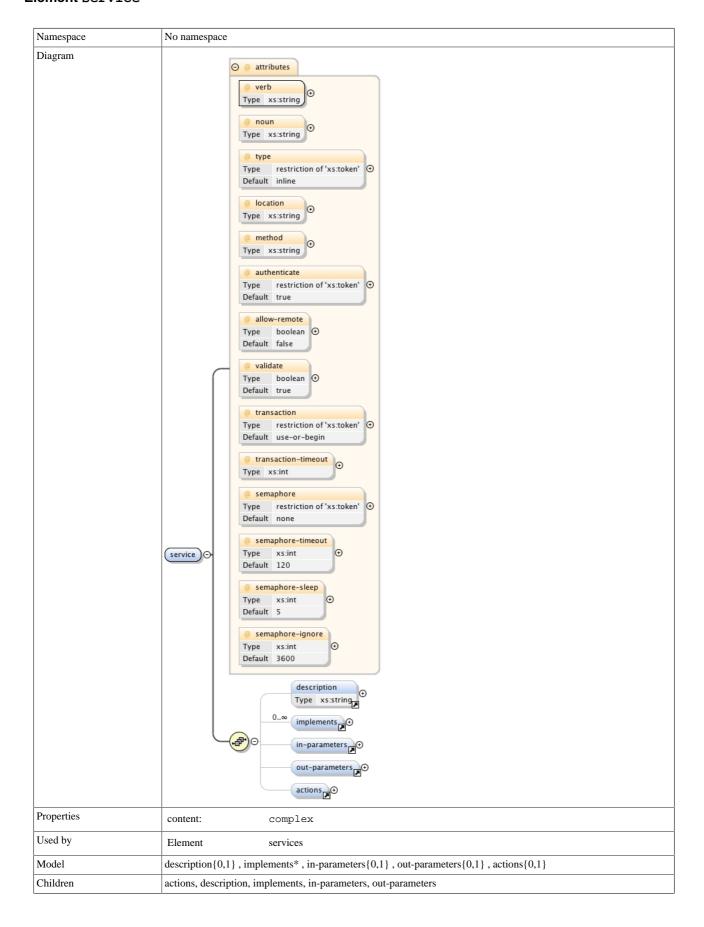
Elements

Element services

Namespace	No namespace
Diagram	(services) ○ 1∞ (service) ⊙
Properties	content: complex
Model	service+
Children	service
Instance	<pre></pre>

</services>

Element service



Instance	<pre><service allow-="" authenticate="true" ignore="3600" location="" method="" noun="" remote="false" s="" semaphore="none" semaphore-sleep="5" semaphore-timeout="120" transaction="use-or- begin" transaction-timeout="" type="inline" validate="true" verb=""></service></pre>					
Attributes	QName	Туре	Fixed	Default	Use	
	allow-remote	boolean	1 2.100	false	optional	
	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 service is running in an ExecutionContext with a user logged in that will qualify. If not then either a "authUserAccount" parameter or the "authUsername" AND "authPassword" parameters must be specified and must contain valid values for a user of the system. If the "authUserAccount" parameter or the "authUsername" AND "authPassword" parameters are passed in they will be used for the service call even if a user is logged in to the ExecutionContext that the service is running in. An "authTenantId" parameter may also be specified to authenticate the user in a specific tenant instance. If specified will be used to run the service with that as the context tenant. If set to anonymous-all or anonymous-view not only with authentication not be required, but this service will run as if authorized (using the _NA_ UserAccount) for all				
	location	xs:string			optional	
	method	xs:string			optional	
	noun	xs:string			optional	
		For entity-auto services this should be a valid entity name. In many other cases an entity name is the best way to describe what is being acted on, but this can really be anything.				
	semaphore	restriction of xs:token		none	optional	
		Intended for use in long-running services (usually scheduled). This uses a record in the database to "lock" the service so that only one instance of it can run against given database at any given time.				
	semaphore-ignore	xs:int		3600	optional	
		Ignore existing se	emaphores after th	nis time, in second	ls.	
	semaphore-sleep	xs:int		5	optional	
		When waiting how seconds.	long to sleep bety	ween checking the s	semaphore, in	
	semaphore-timeout	xs:int		120	optional	
		When waiting how	long before timing	g out, in seconds.		
	transaction	restriction of xs:token		use-or-begin	optional	
	transaction-timeout	xs:int			optional	
		This value is only require-new, or	y used if this ser	ction, in seconds. rvice begins a tran	nsaction (either	
	type	restriction of xs:token		inline	optional	
	validate	boolean		true	optional	
	verb	xs:string			required	
		This can be any ve		en be one of: creat	te, update, delete	

QName	Type	Fixed	Default	Use	
	the service will 1	be: "\${verb}\${noun	". The verb is rec	uired and the	
	noun is optional so if there is				
	no noun the service	re name will be ins	st the verb		

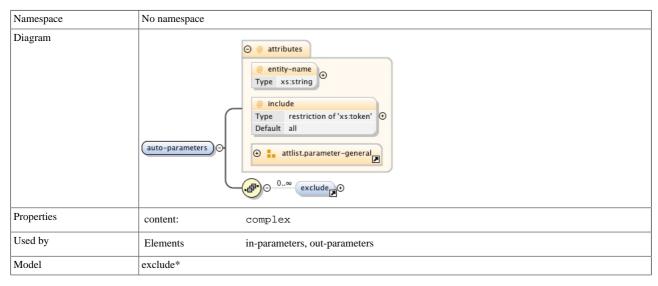
Element implements

Namespace	No namespace				
Diagram		attributes service ype xs:string required ype boolean			
Properties	content:	complex			
Used by	Element	service			
Attributes	QName	Туре	Fixed	Default	Use
	required	boolean			optional
If set to true or false all parameters inherited have the required attribute.					that value for
	service	xs:string			required

Element in-parameters

Namespace	No namespace
Diagram	0∞ auto-parameters → 0∞ parameter → 0∞
Properties	content: complex
Used by	Element service
Model	auto-parameters*, parameter*
Children	auto-parameters, parameter
Instance	<pre><in-parameters> <auto-parameters allow-html="none" entity-="" include="all" name="" required="false">{0,unbounded}</auto-parameters> <parameter allow-html="none" default-="" format="" name="" required="false" type="String" value="">{0,unbounded}</parameter> </in-parameters></pre>

Element auto-parameters

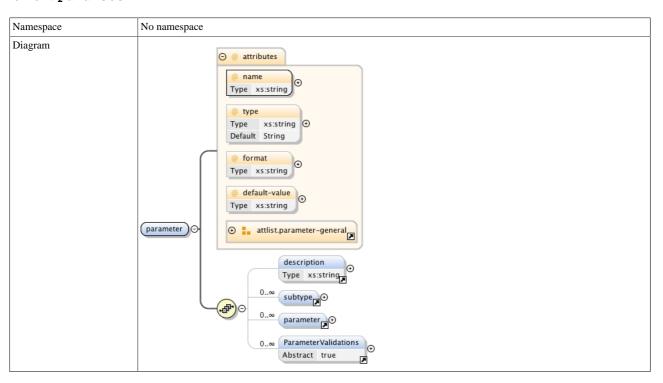


Children	exclude	exclude						
Instance	<exclude fie<="" th=""><th colspan="7"><pre><auto-parameters allow-html="none" entity-name="" include="all" required="false"></auto-parameters></pre></th></exclude>	<pre><auto-parameters allow-html="none" entity-name="" include="all" required="false"></auto-parameters></pre>						
Attributes	QName	Туре	Fixed	Default	Use			
	allow-html	restriction of xs:token		none	optional			
		(meant for validusers, other system allowed (will remessage). If some HTML is done the antisamy-esame this should be same the antisamy-esame this should be same the antisamy-esame the antisamy-esame the same that the antisamy-esame the same that the sam	ating input from ems, etc). Default sult in an error esired then use "s pi.xml file. fe for both intern users are truste be used to not	checked for incom s to "none" meanin afe" which will fo al and public user d or it is not a s	g no HTML is llow the rules in s. ensitive field the			
	entity-name	xs:string			optional			
	include	restriction of xs:token		all	optional			
	required	restriction of xs:token		false	optional			

Element exclude

Namespace	No namespace						
Diagram	exclude O ield-name Type xs:string						
Properties	content:	complex					
Used by	Element	auto-parameters					
Attributes	QName	Туре	Fixed	Default	Use		
	field-name	xs:string			required		

Element parameter



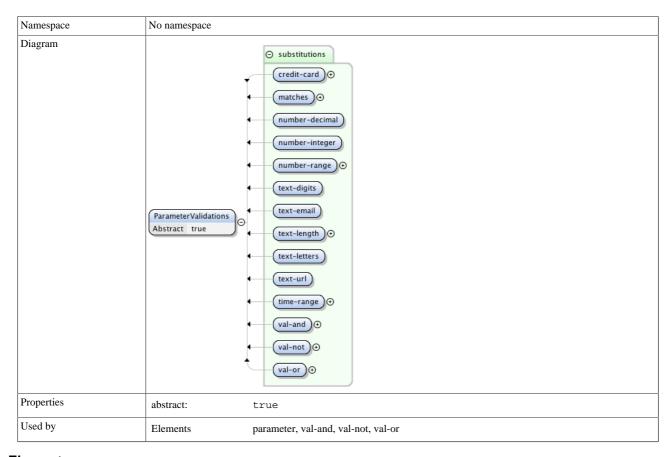
Properties	content: complex						
Used by	Elements in-parameters, out-parameters, parameter						
Model	description{0,1}, subtype*, parameter*, ParameterValidations*						
Children	ParameterValidations, description, parameter, subtype						
Instance	<pre><parameter allow-html="none" default-="" format="" name="" required="false" type="String" value=""></parameter></pre>						
Attributes	QName	Type	Fixed	Default	Use		
	allow-html	restriction of xs:token		none	optional		
		Applies only to String fields. Only checked for incoming parameters (meant for validating input from users, other systems, etc). Defaults to "none" meaning no HTML is allowed (will result in an error message). If some HTML is desired then use "safe" which will follow the rules in the antisamy-esapi.xml file. This should be safe for both internal and public users. 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		
		Used only when the parameter is passed in as a String but the type is something other than String to convert to that type. For date/time uses standard Java format strings described here: http://download.oracle.com/javase/6/docs/api/java/text/ SimpleDateFormat.html			ibed here:		
	name	xs:string			required		
	required	restriction of xs:token		false	optional		
	type	xs:string		String	optional		

Element subtype

Namespace	No namespace						
Annotations	The valid type if the parameter.type or the parent subtype is a Map or any type of collection. 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 key specified.						
Diagram	© @ attributes © key Type xs:string © type Type xs:string O Subtype O Subtype Type xs:string						
Properties	content: complex						
Used by	Elements parameter, subtype						
Model	subtype*						

Children	subtype						
Instance	<pre><subtype key="" type=""> <subtype key="" type="">{0,unbounded}</subtype> </subtype></pre>						
Attributes	QName	Type	Fixed	Default	Use		
	key	xs:string			optional		
	type	xs:string			required		

Element Parameter Validations



Element out-parameters

Namespace	No namespace
Diagram	0∞ auto-parameters → 0∞ parameters → 0∞
Properties	content: complex
Used by	Element service
Model	auto-parameters*, parameter*
Children	auto-parameters, parameter
Instance	<pre><out-parameters> <auto-parameters allow-html="none" entity-="" include="all" name="" required="false">{0,unbounded}</auto-parameters> <parameter allow-html="none" default-="" format="" name="" required="false" type="String" value="">{0,unbounded}</parameter> </out-parameters></pre>

Element val-or

Namespace

Diagram	Val-or ○ 0∞ Parameter Validations Abstract true	
Properties	content: complex	
Model	ParameterValidations*	
Children	ParameterValidations	
Instance	<pre><val-or> <parametervalidations>{0,unbounded}</parametervalidations> </val-or></pre>	

Element val-and

Namespace	No namespace	
Diagram	val-and ○ 0 Parameter Validations	
Properties	content: complex	
Model	ParameterValidations*	
Children	ParameterValidations	
Instance	<pre><val-and> <parametervalidations>{0,unbounded}</parametervalidations> </val-and></pre>	

Element val-not

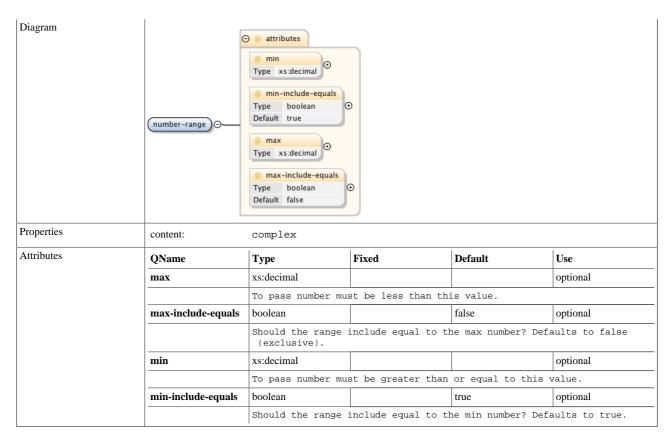
Namespace	No namespace	
Diagram	(val-not) ○ 0∞ Parameter Validations Abstract true	
Properties	content: complex	
Model	ParameterValidations*	
Children	ParameterValidations	
Instance	<pre><val-not> <parametervalidations>{0,unbounded}</parametervalidations> </val-not></pre>	

Element matches

Namespace	No namespace				
Annotations	Validate the current parameter against the regular expression specified in the regexp attribute.				
Diagram	(matches) (in matches)	egexp (*) xs:string (*) xs:string (*)			
Properties	content:	complex			
Attributes	QName	Туре	Fixed	Default	Use
	message	xs:string			required
	regexp	xs:string			required

Element number-range

Namespace	No namespace
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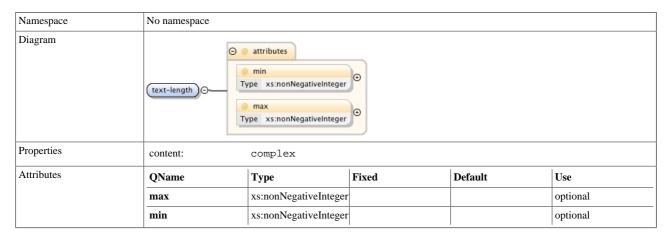
Element number-integer

Namespace	No namespace
Diagram	number-integer)

Element number-decimal

Namespace	No namespace
Diagram	number-decimal

Element text-length



Element text-email

Namespace	No namespace
Diagram	(text-email)

Element text-url

Namespace	No namespace
Diagram	text-uri

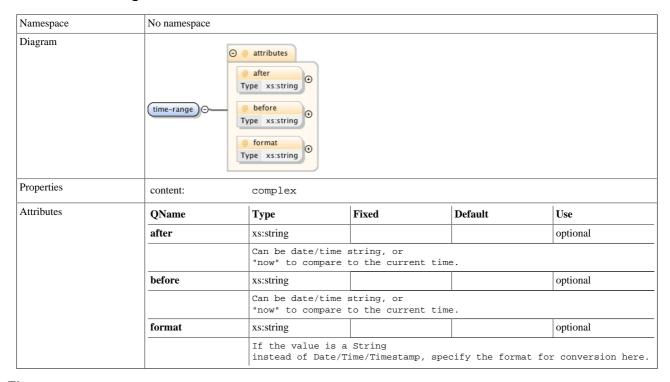
Element text-letters

Namespace	No namespace
Diagram	text-letters

Element text-digits

Namespace	No namespace
Diagram	text-digits (text-digits)

Element time-range



Element credit-card

Namespace	No namespace						
Diagram	© @ attributes © types Type xs:string © types						
Properties	content: complex						
Attributes	QName	Type	Fixed	Default	Use		
	types	xs:string			optional		
		A comma-separate list of the types of credit card to allow. The available options include: visa, mastercard, amex, discover, enroute, jcb, solo, switch, dinersclub, visaelectror 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).					