Schema documentation for CDE_schema.xsd

january 13, 2020

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	t height	
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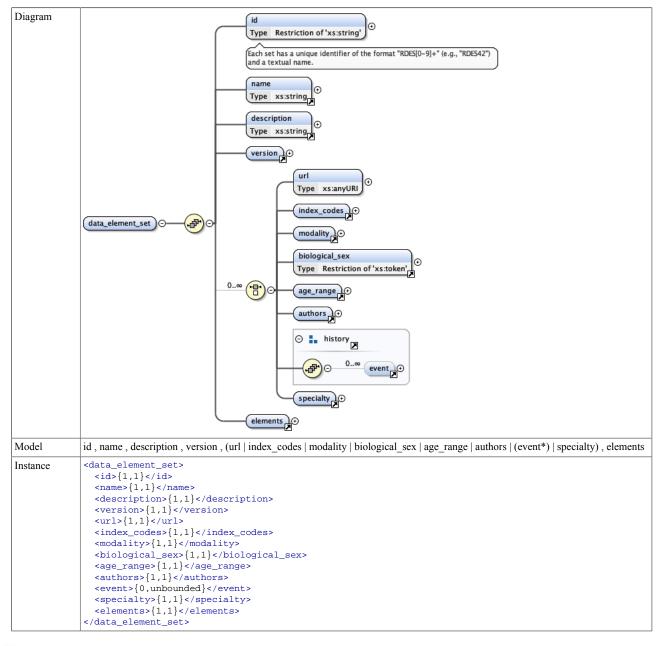
Element caption	15
Element rights	
Element source	
t Group(s)	
Element Group status attrs	
Element Group history	

Schema(s)

Main schema CDE_schema.xsd

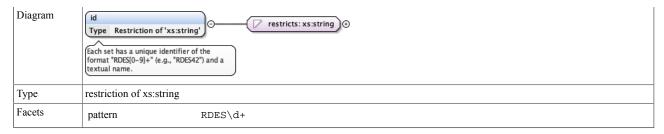
Element(s)

Element data_element_set



Element data_element_set / id

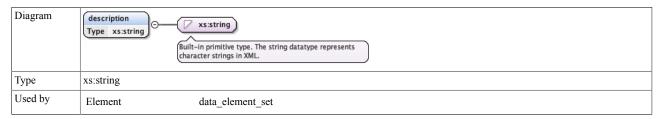
```
Annotations Each set has a unique identifier of the format "RDES[0-9]+" (e.g., "RDES42") and a textual name.
```



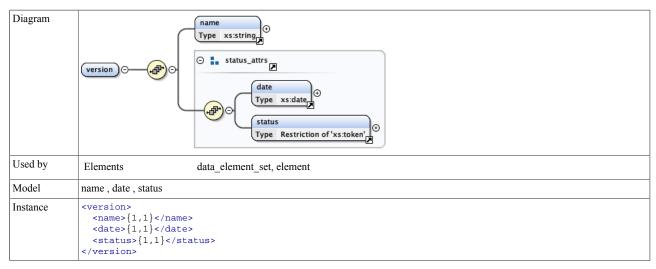
Element name

Diagram	Type xs:string Built-in primitive type. The string datatype represents character strings in XML.
Type	xs:string
Used by	Elements data_element_set, element, organization, person, specialty, value_set/value, version

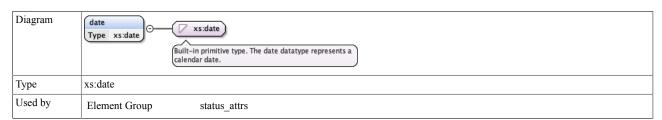
Element description



Element version



Element date



Element status

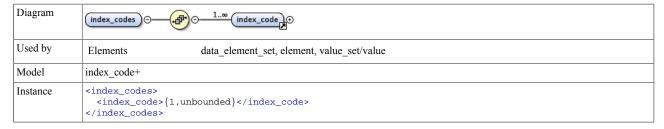


Facets	enumeration	proposed
	enumeration	published
	enumeration	retired
Used by	Element Group	status_attrs

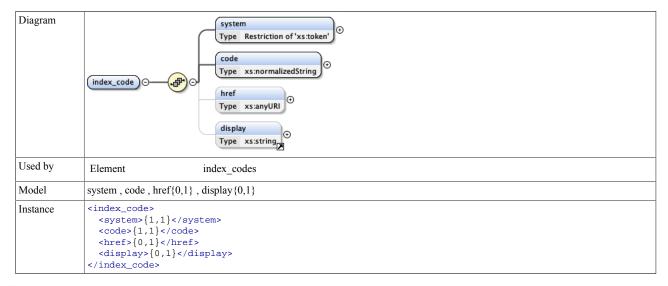
Element data_element_set / url

Diagram	Type xs:anyURI Built-in primitive type. The anyURI datatype represents a Uniform Resource Identifier Reference (URI).
Type	xs:anyURI

Element index_codes



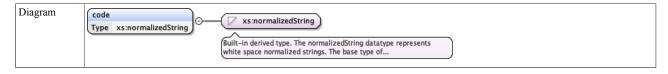
Element index_code



Element index_code / system

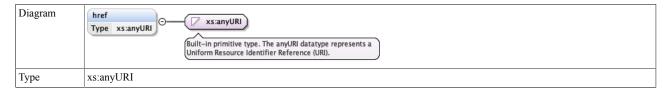


Element index_code / code

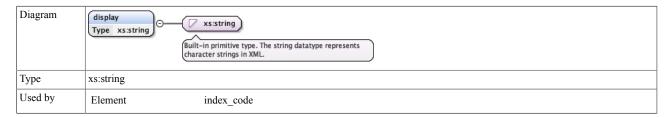


Type xs:normalizedString

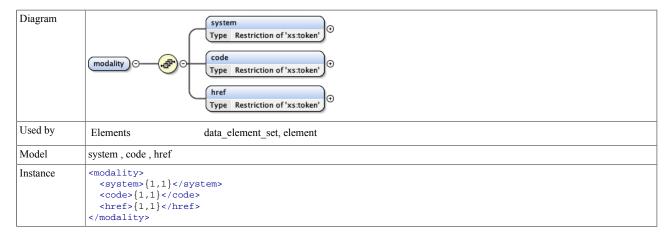
Element index_code / href



Element display



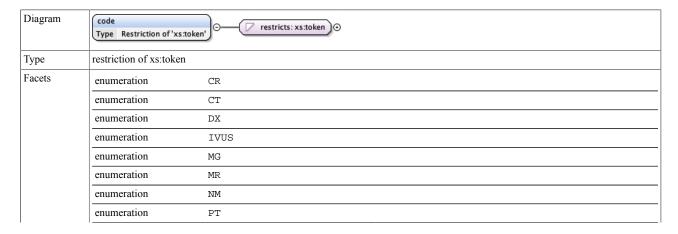
Element modality



Element modality / system

Diagram	System Type Restriction of 'xs:toke	n' ○ restricts: xs:token) ⊙
Type	restriction of xs:token	
Facets	enumeration	DICOM

Element modality / code



enumeration	RF	
enumeration	RG	
enumeration	US	
enumeration	XA	

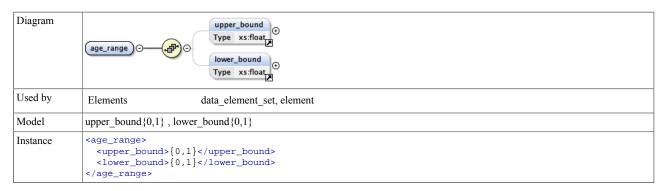
Element modality / href

Diagram	href Type Restriction of 'xs:token' ○ restricts: xs:token ○ restricts: xs:token		
Type	restriction of xs:token		
Facets	enumeration	<pre>http://dicom.nema.org/ medical/dicom/ current/output/html/ part03.html#sect_C.7.3.1.1.1</pre>	

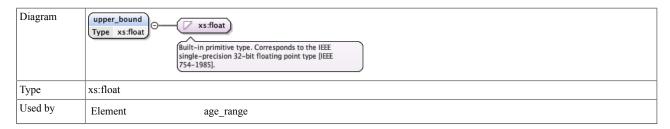
Element biological_sex

Diagram	biological_sex Type Restriction of 'xs:token' or restricts: xs:token or restricts: xs:token or restricts: xs:token		
Type	restriction of xs:token		
Facets	enumeration	М	
	enumeration	F	
Used by	Elements	data_element_set, element	

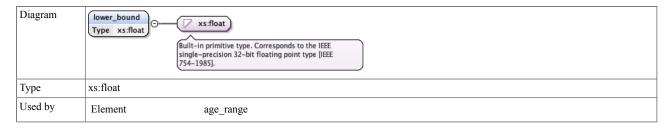
Element age_range



Element upper_bound



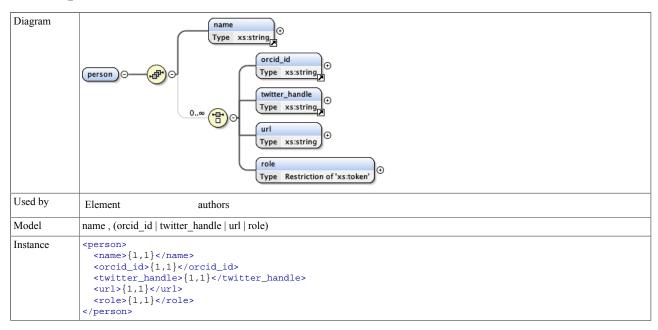
Element lower_bound



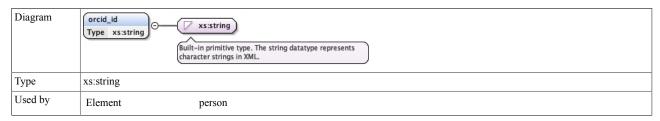
Element authors

Diagram	authors ⊙ ———————————————————————————————————	
Used by	Elements data_element_set, element, image	
Model	person*, organization*	
Instance	<pre><authors> <person>{0,unbounded}</person> <organization>{0,unbounded}</organization> </authors></pre>	

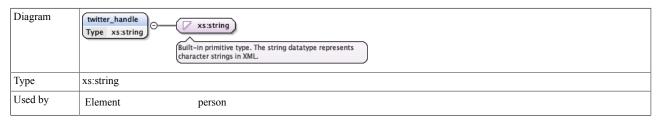
Element person



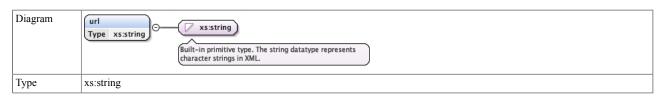
Element orcid id



Element twitter_handle



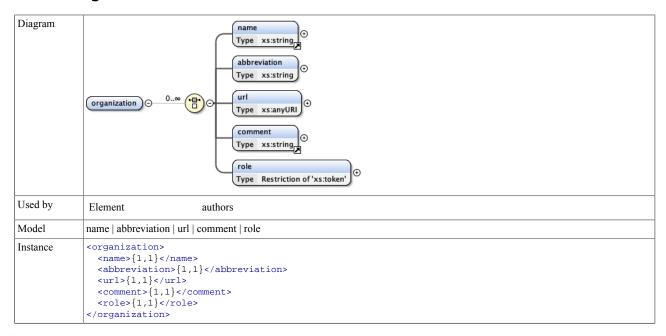
Element person / url



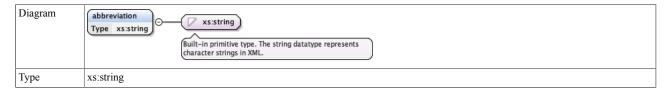
Element person / role

Diagram	Type Restriction of 'xs:toker	n' ⊝ restricts: xs:token)⊙	
Type	restriction of xs:token		
Facets	enumeration	author	
	enumeration	editor	
	enumeration	translator	
	enumeration	reviewer	
	enumeration	contributor	

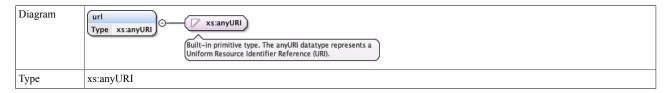
Element organization



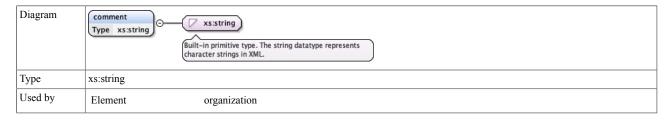
Element organization / abbreviation



Element organization / url



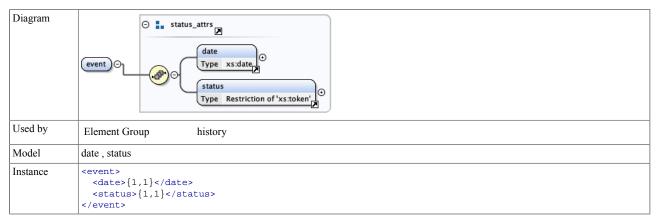
Element comment



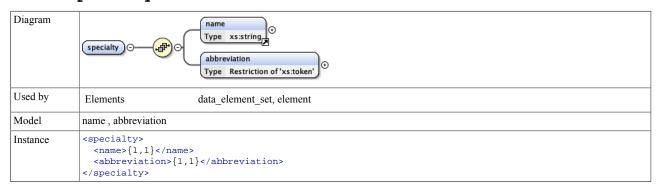
Element organization / role

Diagram	Type Restriction of 'xs:token' ○ restricts: xs:token ⊙		
Type	restriction of xs:token		
Facets	enumeration	contributor	
	enumeration	sponsor	
	enumeration	translator	
	enumeration	reviewer	
	enumeration	author	

Element event



Element specialty

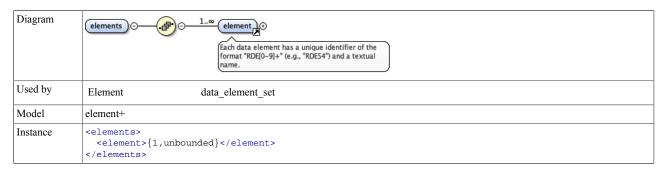


Element specialty / abbreviation

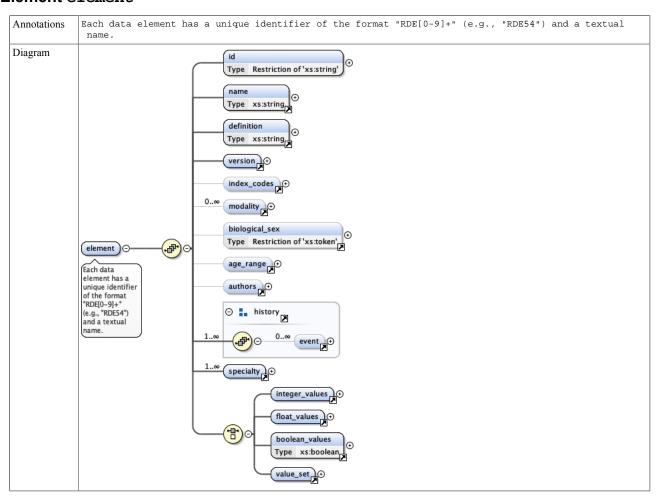
Diagram	abbreviation Type Restriction of 's	restricts: xs:token 🗇	
Туре	restriction of xs:token		
Facets	enumeration	AB	
	enumeration	BR	
	enumeration	CA	
	enumeration	СН	
	enumeration	СТ	
	enumeration	ER	
	enumeration	GI	
	enumeration	GU	
	enumeration	ни	
	enumeration	IR	
	enumeration	MI	

enumeration	MK
enumeration	MR
enumeration	NM
enumeration	NR
enumeration	ОВ
enumeration	OI
enumeration	OT
enumeration	PD
enumeration	QI
enumeration	RS
enumeration	US
enumeration	VI

Element elements



Element element

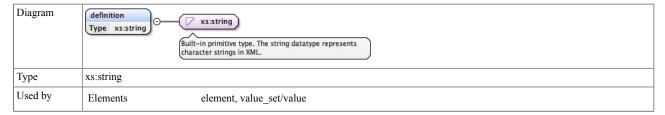


Used by	Element elements				
Model	$id \ , name \ , definition \ , version \ , index_codes\{0,1\} \ , modality* \ , biological_sex\{0,1\} \ , age_range\{0,1\} \ , authors\{0,1\} \ , specialty+ \ , (integer_values \ \ float_values \ \ boolean_values \ \ value_set)$				
Instance	<pre><element></element></pre>				

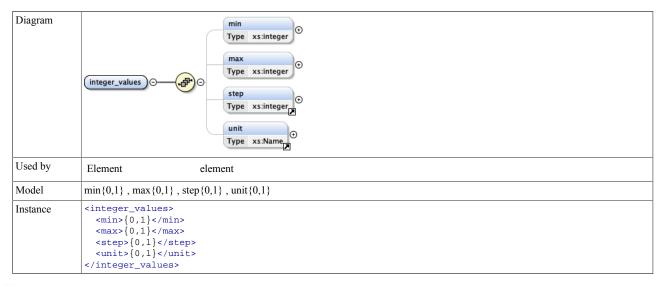
Element element / id

Diagram	id Type Restriction of 'xs:strin	restricts: xs:string ⊕	
Type	restriction of xs:string		
Facets	pattern	RDE\d+	

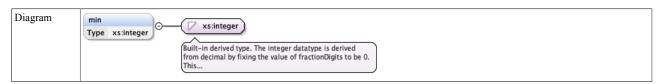
Element definition



Element integer_values

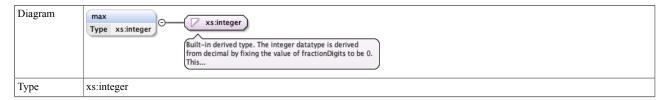


Element integer_values / min

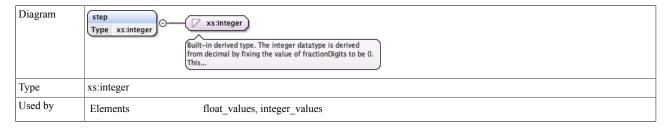


Type xs:integer

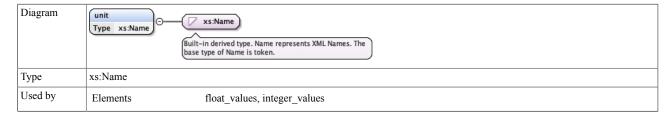
Element integer_values / max



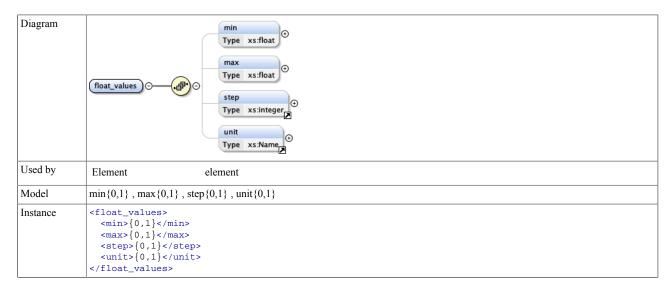
Element step



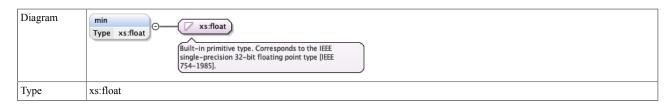
Element unit



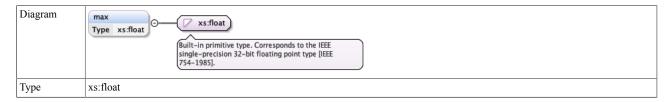
Element float_values



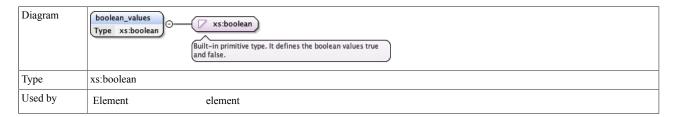
Element float_values / min



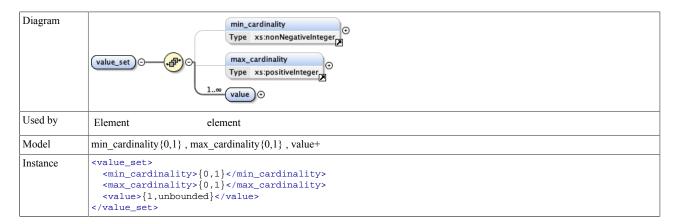
Element float_values / max



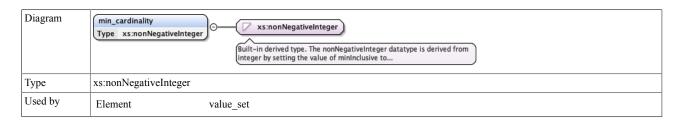
Element boolean_values



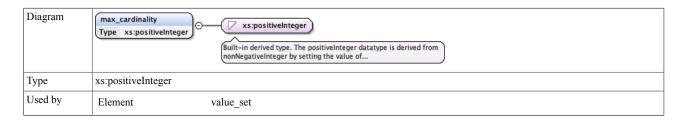
Element value_set



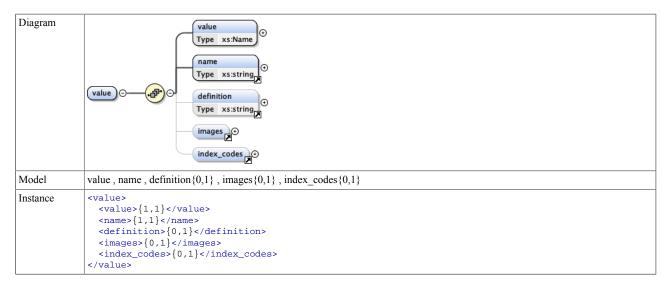
Element min_cardinality



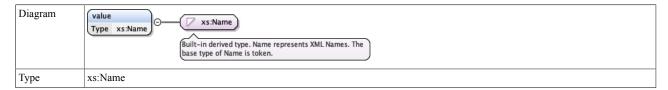
Element max_cardinality



Element value_set / value



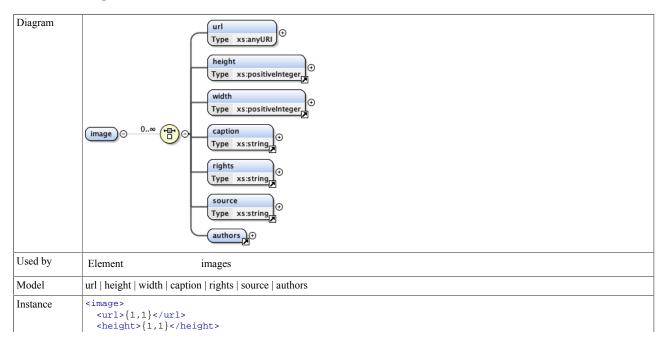
Element value_set / value / value



Element images

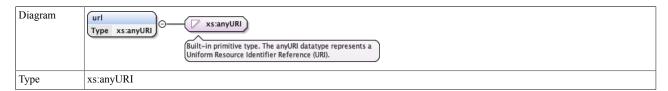


Element image

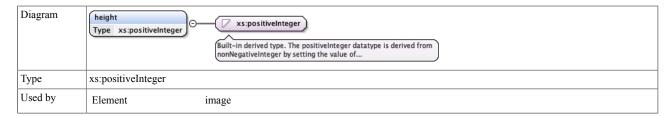


```
<width>{1,1}</width>
  <caption>{1,1}</caption>
  <rights>{1,1}</rights>
  <source>{1,1}</source>
  <authors>{1,1}</authors>
</image>
```

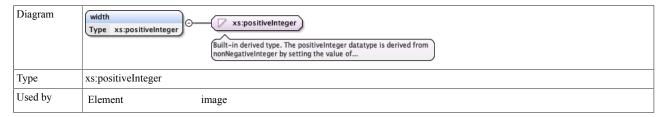
Element image / url



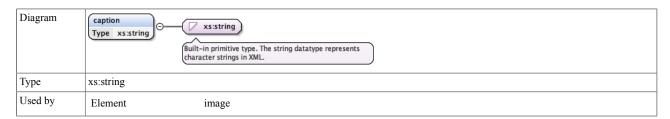
Element height



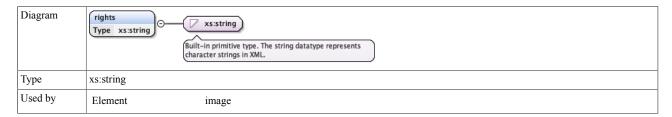
Element width



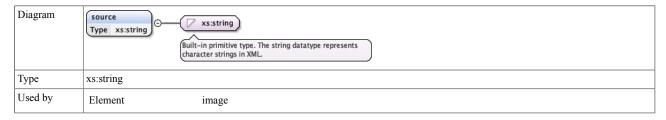
Element caption



Element rights

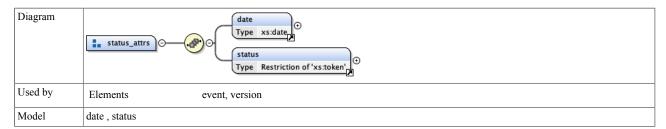


Element source



Element Group(s)

Element Group status_attrs



Element Group history

