Schema documentation for CDE_schema.xsd

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Namespace: ""

Schema(s)

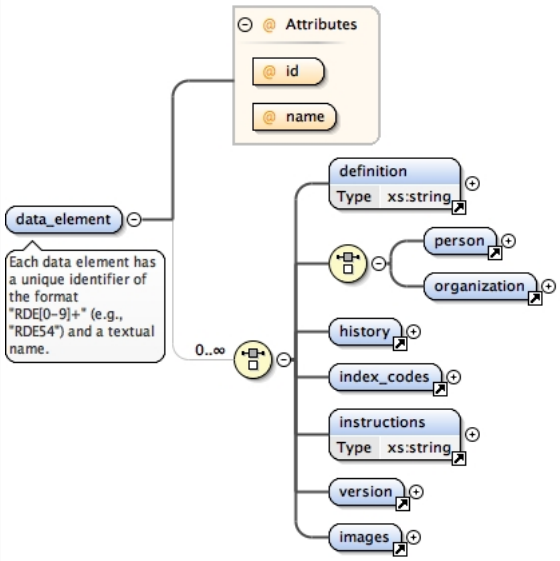
Main schema CDE_schema.xsd

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

Element(s)

Element data_element

Namespace	No namespace

Annotations	Each data element has a unique identifier of the format "RDE[0-9]+" (e.g., "RDE54") and a textual name.
Diagram	
Properties	content: complex
Model	definition | person | organization | history | index_codes | instructions | version | images
Children	definition, history, images, index_codes, instructions, organization, person, version
Instance	<data_element id="" name=""> <definition>{1,1}</definition> <person>{1,1}</person> <organization>{1,1}</organization> <history>{1,1}</history> <index_codes>{1,1}</index_codes> <instructions>{1,1}</instructions> <version date="" number="">{1,1}</version> <images>{1,1}</images> </data_element>

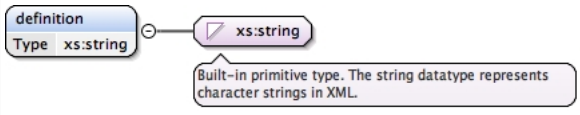
Attributes

QName	Type	Use	
id		required	
name		required	

Source

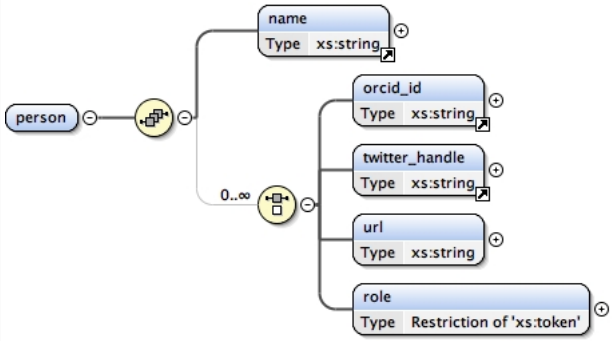
```
<xs:element name="data_element">
  <xs:annotation>
    <xs:documentation>Each data element has a unique identifier of the format "RDE[0-9]+" (e.g.,
 "RDE54") and a textual name.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:choice minOccurs="0" maxOccurs="unbounded">
      <xs:element ref="definition"/>
      <xs:choice>
        <xs:element ref="person"/>
        <xs:element ref="organization"/>
      </xs:choice>
      <xs:element ref="history"/>
      <xs:element ref="index_codes"/>
      <xs:element ref="instructions"/>
      <xs:element ref="version"/>
      <xs:element ref="images"/>
    </xs:choice>
    <xs:attribute name="id" use="required"/>
    <xs:attribute name="name" use="required"/>
  </xs:complexType>
</xs:element>
```

Element definition

Namespace	No namespace
Diagram	

Type	xs:string
Properties	content: simple
Used by	Element data_element
Source	`<xs:element name="definition" type="xs:string"/>`

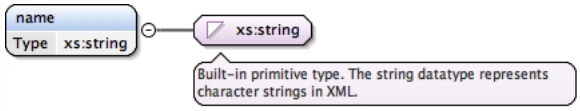
Element person

Namespace	No namespace
Diagram	
Properties	content: complex
Used by	Elements data_element, image Element Group authors
Model	name , (orcid_id | twitter_handle | url | role)
Children	name, orcid_id, role, twitter_handle, url

Instance	`<person>`
	`  <name>{1,1}</name>`
	`  <orcid_id>{1,1}</orcid_id>`
	`  <twitter_handle>{1,1}</twitter_handle>`
	`  <url>{1,1}</url>`
	`  <role>{1,1}</role>`
	`</person>`

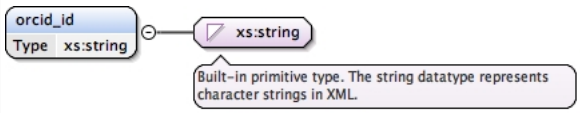
Source	`<xs:element name="person">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="name"/>`
	`  <xs:choice minOccurs="0" maxOccurs="unbounded">`
	`  <xs:element ref="orcid_id"/>`
	`  <xs:element ref="twitter_handle"/>`
	`  <xs:element name="url" type="xs:string"/>`
	`  <xs:element name="role">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:token">`
	`  <xs:enumeration value="author"/>`
	`  <xs:enumeration value="editor"/>`
	`  <xs:enumeration value="translator"/>`
	`  <xs:enumeration value="reviewer"/>`
	`  <xs:enumeration value="contributor"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`  </xs:element>`
	`  </xs:choice>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

Element name

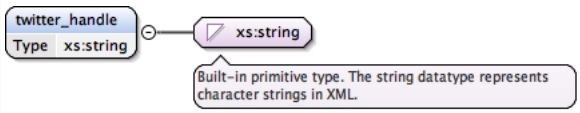
Namespace	No namespace
Diagram	
Type	xs:string

Properties	content:	simple
Used by	Elements	organization, person
Source	<xs:element name="name" type="xs:string"/>	

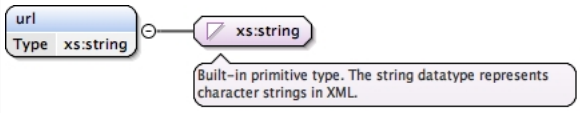
Element orcid_id

Namespace	No namespace
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element person
Source	<xs:element name="orcid_id" type="xs:string"/>

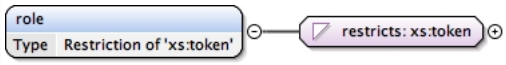
Element twitter_handle

Namespace	No namespace
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element person
Source	<xs:element name="twitter_handle" type="xs:string"/>

Element person / url

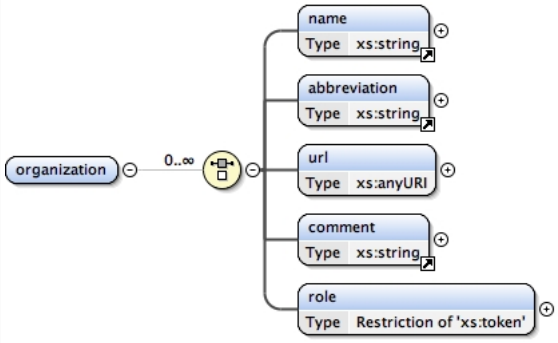
Namespace	No namespace
Diagram	
Type	xs:string
Properties	content: simple
Source	<xs:element name="url" type="xs:string"/>

Element person / role

Namespace	No namespace
Diagram	
Type	restriction of xs:token
Properties	content: simple
Facets	enumeration: author enumeration: editor enumeration: translator enumeration: reviewer enumeration: contributor
Source	<xs:element name="role"> <xs:simpleType> <xs:restriction base="xs:token">

```
      <xs:enumeration value="author"/>
      <xs:enumeration value="editor"/>
      <xs:enumeration value="translator"/>
      <xs:enumeration value="reviewer"/>
      <xs:enumeration value="contributor"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

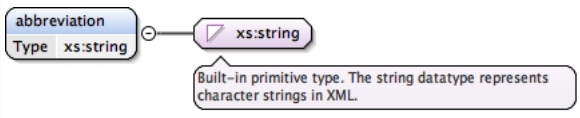
Element `organization`

Namespace	No namespace
Diagram	
Properties	content: `complex`
Used by	Elements: data_element, image Element Group: authors
Model	name | abbreviation | url | comment | role
Children	abbreviation, comment, name, role, url

Instance	`<organization>`
	`  <name>{1,1}</name>`
	`  <abbreviation>{1,1}</abbreviation>`
	`  <url>{1,1}</url>`
	`  <comment>{1,1}</comment>`
	`  <role>{1,1}</role>`
	`</organization>`

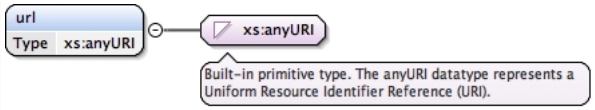
Source	`<xs:element name="organization">`
	`  <xs:complexType>`
	`  <xs:choice minOccurs="0" maxOccurs="unbounded">`
	`  <xs:element ref="name"/>`
	`  <xs:element ref="abbreviation"/>`
	`  <xs:element name="url" type="xs:anyURI"/>`
	`  <xs:element ref="comment"/>`
	`  <xs:element name="role">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:token">`
	`  <xs:enumeration value="contributor"/>`
	`  <xs:enumeration value="sponsor"/>`
	`  <xs:enumeration value="translator"/>`
	`  <xs:enumeration value="reviewer"/>`
	`  <xs:enumeration value="author"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`  </xs:element>`
	`  </xs:choice>`
	`  </xs:complexType>`
	`</xs:element>`

Element `abbreviation`

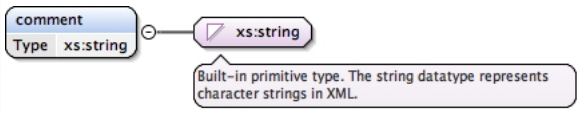
Namespace	No namespace
Diagram	
Type	xs:string
Properties	content: `simple`

Used by	Element	organization
Source	<xs:element name="abbreviation" type="xs:string"/>	

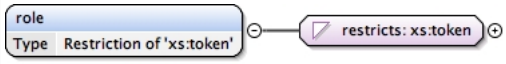
Element organization / url

Namespace	No namespace
Diagram	
Type	xs:anyURI
Properties	content: simple
Source	<xs:element name="url" type="xs:anyURI"/>

Element comment

Namespace	No namespace
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element organization
Source	<xs:element name="comment" type="xs:string"/>

Element organization / role

Namespace	No namespace
Diagram	
Type	restriction of xs:token
Properties	content: simple
Facets	enumeration contributor enumeration sponsor enumeration translator enumeration reviewer enumeration author
Source	<xs:element name="role"> <xs:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="contributor"/> <xs:enumeration value="sponsor"/> <xs:enumeration value="translator"/> <xs:enumeration value="reviewer"/> <xs:enumeration value="author"/> </xs:restriction> </xs:simpleType> </xs:element>

Element history

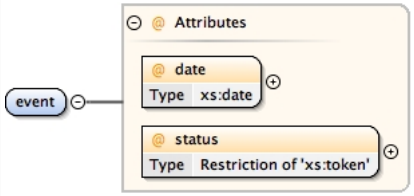
Namespace	No namespace
Diagram	
Properties	content: complex

Used by	Element data_element
Model	event*
Children	event

Instance	`<history>`
	`  <event date="" status="">{0,unbounded}</event>`
	`</history>`

Source	`<xs:element name="history">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element minOccurs="0" maxOccurs="unbounded" ref="event"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

Element event

Namespace	No namespace
Diagram	
Properties	content: complex
Used by	Element history

Attributes

QName	Type	Use	
date	xs:date	required	
status	restriction of xs:token	required	

Source

```
<xs:element name="event">
  <xs:complexType>
    <xs:attribute name="date" use="required" type="xs:date"/>
    <xs:attribute name="status" use="required">
      <xs:simpleType>
        <xs:restriction base="xs:token">
          <xs:enumeration value="proposed"/>
          <xs:enumeration value="approved"/>
          <xs:enumeration value="published"/>
          <xs:enumeration value="deprecated"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:attribute>
  </xs:complexType>
</xs:element>
```

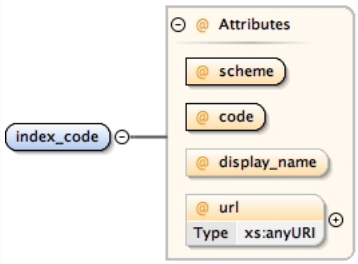
Element index_codes

Namespace	No namespace
Diagram	
Properties	content: complex
Used by	Element data_element
Model	index_code*
Children	index_code

Instance	`<index_codes>`
	`  <index_code code="" display_name="" scheme="" url="">{0,unbounded}</index_code>`
	`</index_codes>`

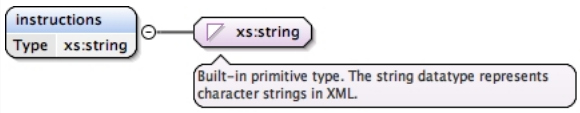
Source	`<xs:element name="index_codes">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element minOccurs="0" maxOccurs="unbounded" ref="index_code"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

Element index_code

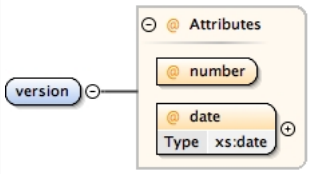
Namespace	No namespace
Diagram	
Properties	content: complex
Used by	Element index_codes
Attributes	**QName** / **Type** / **Use** **code** / / required **display_name** / / optional **scheme** / / required **url** / xs:anyURI / optional

Source	`<xs:element name="index_code">`
	`  <xs:complexType>`
	`  <xs:attribute name="scheme" use="required"/>`
	`  <xs:attribute name="code" use="required"/>`
	`  <xs:attribute name="display_name"/>`
	`  <xs:attribute name="url" type="xs:anyURI"/>`
	`  </xs:complexType>`
	`</xs:element>`

Element instructions

Namespace	No namespace
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element data_element
Source	`<xs:element name="instructions" type="xs:string"/>`

Element version

Namespace	No namespace
Diagram	
Properties	content: complex
Used by	Element data_element
Attributes	**QName** / **Type** / **Use** **date** / xs:date / required **number** / / required

Source	`<xs:element name="version">`
	`  <xs:complexType>`
	`  <xs:attribute name="number" use="required"/>`

```
    <xs:attribute name="date" use="required" type="xs:date"/>
  </xs:complexType>
</xs:element>
```

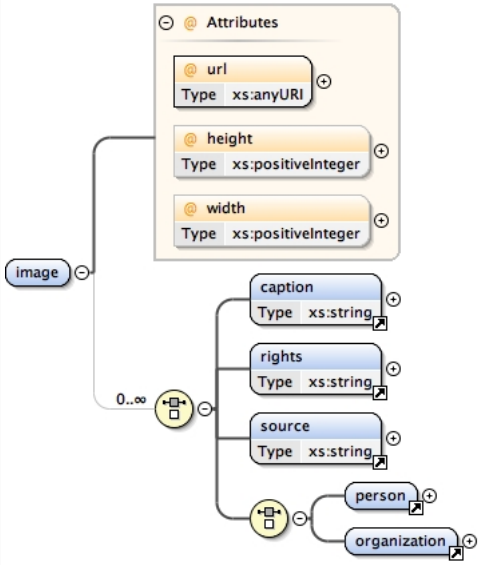
Element images

Namespace	No namespace
Diagram	
Properties	content: complex
Used by	Element data_element
Model	image*
Children	image

Instance	`<images>`
	`  <image height="" url="" width="">{0,unbounded}</image>`
	`</images>`

Source	`<xs:element name="images">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element minOccurs="0" maxOccurs="unbounded" ref="image"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

Element image

Namespace	No namespace
Diagram	
Properties	content: complex
Used by	Element images
Model	caption | rights | source | person | organization
Children	caption, organization, person, rights, source

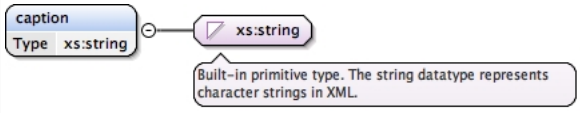
Instance	`<image height="" url="" width="">`
	`  <caption>{1,1}</caption>`
	`  <rights>{1,1}</rights>`
	`  <source>{1,1}</source>`
	`  <person>{1,1}</person>`
	`  <organization>{1,1}</organization>`
	`</image>`

Attributes

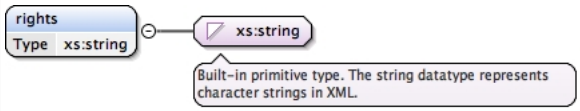
QName	Type	Use	
height	xs:positiveInteger	optional	
url	xs:anyURI	required	
width	xs:positiveInteger	optional	

Source	<xs:element name="image"> <xs:complexType> <xs:choice minOccurs="0" maxOccurs="unbounded"> <xs:element ref="caption"/> <xs:element ref="rights"/> <xs:element ref="source"/> <xs:choice> <xs:element ref="person"/> <xs:element ref="organization"/> </xs:choice> </xs:choice> <xs:attribute name="url" use="required" type="xs:anyURI"/> <xs:attribute name="height" type="xs:positiveInteger"/> <xs:attribute name="width" type="xs:positiveInteger"/> </xs:complexType> </xs:element>

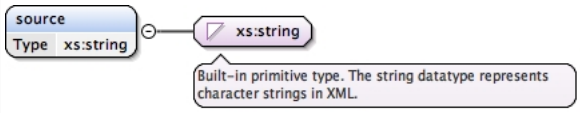
Element `caption`

Namespace	No namespace
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element image
Source	<xs:element name="caption" type="xs:string"/>

Element `rights`

Namespace	No namespace
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element image
Source	<xs:element name="rights" type="xs:string"/>

Element `source`

Namespace	No namespace
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element image
Source	<xs:element name="source" type="xs:string"/>

Attribute(s)

Attribute `event / @date`

Namespace	No namespace
Type	xs:date
Properties	use: required

Used by	Element	event
Source	<xs:attribute name="date" use="required" type="xs:date"/>	

Attribute `event / @status`

Namespace	No namespace	
Type	restriction of xs:token	
Properties	use:	`required`
Facets	enumeration	`proposed`
	enumeration	`approved`
	enumeration	`published`
	enumeration	`deprecated`
Used by	Element	event
Source	<xs:attribute name="status" use="required"> <xs:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="proposed"/> <xs:enumeration value="approved"/> <xs:enumeration value="published"/> <xs:enumeration value="deprecated"/> </xs:restriction> </xs:simpleType> </xs:attribute>	

Attribute `index_code / @scheme`

Namespace	No namespace	
Properties	use:	`required`
Used by	Element	index_code
Source	<xs:attribute name="scheme" use="required"/>	

Attribute `index_code / @code`

Namespace	No namespace	
Properties	use:	`required`
Used by	Element	index_code
Source	<xs:attribute name="code" use="required"/>	

Attribute `index_code / @display_name`

Namespace	No namespace	
Used by	Element	index_code
Source	<xs:attribute name="display_name"/>	

Attribute `index_code / @url`

Namespace	No namespace	
Type	xs:anyURI	
Properties	content:	`simple`
Used by	Element	index_code
Source	<xs:attribute name="url" type="xs:anyURI"/>	

Attribute `version / @number`

Namespace	No namespace	
Properties	use:	`required`

Used by	Element	version
Source	`<xs:attribute name="number" use="required"/>`	

Attribute `version / @date`

Namespace	No namespace	
Type	xs:date	
Properties	use:	`required`
Used by	Element	version
Source	`<xs:attribute name="date" use="required" type="xs:date"/>`	

Attribute `image / @url`

Namespace	No namespace	
Type	xs:anyURI	
Properties	use:	`required`
Used by	Element	image
Source	`<xs:attribute name="url" use="required" type="xs:anyURI"/>`	

Attribute `image / @height`

Namespace	No namespace	
Type	xs:positiveInteger	
Properties	content:	`simple`
Used by	Element	image
Source	`<xs:attribute name="height" type="xs:positiveInteger"/>`	

Attribute `image / @width`

Namespace	No namespace	
Type	xs:positiveInteger	
Properties	content:	`simple`
Used by	Element	image
Source	`<xs:attribute name="width" type="xs:positiveInteger"/>`	

Attribute `data_element / @id`

Namespace	No namespace	
Properties	use:	`required`
Used by	Element	data_element
Source	`<xs:attribute name="id" use="required"/>`	

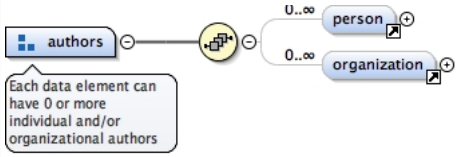
Attribute `data_element / @name`

Namespace	No namespace	
Properties	use:	`required`
Used by	Element	data_element
Source	`<xs:attribute name="name" use="required"/>`	

Element Group(s)

Element Group `authors`

Namespace	No namespace

Annotations	Each data element can have 0 or more individual and/or organizational authors
Diagram	
Model	person* , organization*
Children	organization, person
Source	<xs:group name="authors"> <xs:annotation> <xs:documentation>Each data element can have 0 or more individual and/or organizational authors</xs:documentation> </xs:annotation> <xs:sequence> <xs:element minOccurs="0" maxOccurs="unbounded" ref="person"/> <xs:element minOccurs="0" maxOccurs="unbounded" ref="organization"/> </xs:sequence> </xs:group>