Schema documentation
for archimate3_View.xsd

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Namespace: "http://www.opengroup.org/xsd/archimate/3.0/"

Schema(s)

Main schema `archimate3_View.xsd`

Namespace	http://www.opengroup.org/xsd/archimate/3.0/	
Properties	attribute form default:	`unqualified`
	element form default:	`qualified`
	version:	`3.1`

Complex Type(s)

Redefines Complex Type ModelType

Namespace	http://www.opengroup.org/xsd/archimate/3.0/
Type	extension of ModelType

Type hierarchy	• ReferenceableType
	   • NamedReferenceableType
	      • ModelType
	         • ModelType

Model	name+ , documentation* , ANY element from ANY namespace OTHER than 'http://www.opengroup.org/xsd/archimate/3.0/' , properties{0,1} , metadata{0,1} , elements{0,1} , relationships{0,1} , organizations* , propertyDefinitions{0,1} , views{0,1}

Children	documentation, elements, metadata, name, organizations, properties, propertyDefinitions, relationships, views

Attributes	QName	Type	Use	
	identifier	xs:ID	required	
	version	xs:string	optional	
		Specifies the version of the model.		
	Wildcard: ANY attribute from ANY namespace OTHER than 'http://www.opengroup.org/xsd/archimate/3.0/'			

Source	

```xml
<xs:complexType name="ModelType">
  <xs:complexContent>
    <xs:extension base="ModelType">
      <xs:sequence>
        <xs:element name="views" type="ViewsType" minOccurs="0" maxOccurs="1">
          <xs:key name="ViewKey">
            <xs:selector xpath=".//archimate:view"/>
            <xs:field xpath="@identifier"/>
          </xs:key>
          <xs:key name="ViewpointKey">
            <xs:selector xpath="./archimate:viewpoints/archimate:viewpoint"/>
            <xs:field xpath="@identifier"/>
          </xs:key>
          <xs:keyref name="ViewRef" refer="ViewKey">
            <xs:selector xpath=".//archimate:viewRef"/>
            <xs:field xpath="@ref"/>
          </xs:keyref>
          <xs:keyref name="ViewRefAttribute" refer="ViewKey">
            <xs:selector xpath=".//archimate:*"/>
            <xs:field xpath="@viewRef"/>
          </xs:keyref>
          <xs:keyref name="ViewpointRef" refer="ViewpointKey">
            <xs:selector xpath=".//archimate:viewpointRef"/>
            <xs:field xpath="@ref"/>
          </xs:keyref>
          <xs:keyref name="ViewpointRefAttribute" refer="ViewpointKey">
            <xs:selector xpath=".//archimate:*"/>
            <xs:field xpath="@viewpointRef"/>
          </xs:keyref>
        </xs:element>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Complex Type `ViewsType`

Namespace	http://www.opengroup.org/xsd/archimate/3.0/
Used by	Element ModelType/views
Model	viewpoints{0,1}
Children	viewpoints
Source	

```xml
<xs:complexType name="ViewsType">
  <xs:annotation>
    <xs:documentation>This is a container for all of the Views in the model.</xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="viewpoints" type="ViewpointsType" minOccurs="0" maxOccurs="1">
      <xs:annotation>
        <xs:documentation>viewpoints is optional and is a container for any viewpoints.</xs:documentation>
      </xs:annotation>
    </xs:element>
  </xs:sequence>
</xs:complexType>
```

Complex Type `ViewpointsType`

Namespace	http://www.opengroup.org/xsd/archimate/3.0/
Used by	Element ViewsType/viewpoints
Model	viewpoint+
Children	viewpoint
Source	

```xml
<xs:complexType name="ViewpointsType">
  <xs:annotation>
```

```
          <xs:documentation>This is a container for all of the Viewpoints in the model.</xs:documentation>
        </xs:annotation>
        <xs:sequence>
          <xs:element name="viewpoint" type="ViewpointType" minOccurs="1" maxOccurs="unbounded"/>
        </xs:sequence>
      </xs:complexType>
```

Complex Type `ViewpointType`

Namespace	http://www.opengroup.org/xsd/archimate/3.0/
Type	extension of NamedReferenceableType

Type hierarchy	• ReferenceableType
	    • NamedReferenceableType
	       • ViewpointType

Used by	Element ViewpointsType/viewpoint
Model	name+ , documentation* , ANY element from ANY namespace OTHER than 'http://www.opengroup.org/xsd/archimate/3.0/' , properties{0,1} , concern* , viewpointPurpose{0,1} , viewpointContent{0,1} , allowedElementType* , allowedRelationshipType* , modelingNote*
Children	allowedElementType, allowedRelationshipType, concern, documentation, modelingNote, name, properties, viewpointContent, viewpointPurpose

Attributes				
	QName	**Type**	**Use**	
	identifier	xs:ID	required	

Wildcard: ANY attribute from ANY namespace OTHER than 'http://www.opengroup.org/xsd/archimate/3.0/'

Source:
```
<xs:complexType name="ViewpointType">
  <xs:complexContent>
    <xs:extension base="NamedReferenceableType">
      <xs:sequence>
        <xs:group ref="PropertiesGroup"/>
        <xs:element name="concern" type="ConcernType" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="viewpointPurpose" type="ViewpointPurposeType" minOccurs="0" maxOccurs="1"/>
        <xs:element name="viewpointContent" type="ViewpointContentType" minOccurs="0" maxOccurs="1"/>
        <xs:element name="allowedElementType" type="AllowedElementTypeType" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="allowedRelationshipType" type="AllowedRelationshipTypeType" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element name="modelingNote" type="ModelingNoteType" minOccurs="0" maxOccurs="unbounded"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Complex Type `ConcernType`

Namespace	http://www.opengroup.org/xsd/archimate/3.0/
Used by	Element ViewpointType/concern
Model	label+ , documentation* , stakeholders{0,1}
Children	documentation, label, stakeholders
Source	

```
<xs:complexType name="ConcernType">
  <xs:annotation>
    <xs:documentation>document attribute holds all the concern information.</xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:group ref="LabelGroup" minOccurs="1" maxOccurs="unbounded"/>
    <xs:group ref="DocumentationGroup" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="stakeholders" type="StakeholdersType" minOccurs="0" maxOccurs="1"/>
  </xs:sequence>
</xs:complexType>
```

Complex Type `StakeholdersType`

Namespace	http://www.opengroup.org/xsd/archimate/3.0/
Used by	Element ConcernType/stakeholders

Model	stakeholder+
Children	stakeholder

Source	```xml
	<xs:complexType name="StakeholdersType">
	  <xs:annotation>
	    <xs:documentation>This is a container for all of the Stakeholders in the Concern.</xs:documentation>
	  </xs:annotation>
	  <xs:sequence>
	    <xs:element name="stakeholder" type="StakeholderType" minOccurs="1" maxOccurs="unbounded"/>
	  </xs:sequence>
	</xs:complexType>
	``

Complex Type `StakeholderType`

Namespace	http://www.opengroup.org/xsd/archimate/3.0/	
Used by	Element	StakeholdersType/stakeholder
Model	label+	
Children	label	

Source	```xml
	<xs:complexType name="StakeholderType">
	  <xs:sequence>
	    <xs:group ref="LabelGroup" minOccurs="1" maxOccurs="unbounded"/>
	  </xs:sequence>
	</xs:complexType>
	``	

Complex Type `AllowedElementTypeType`

Namespace	http://www.opengroup.org/xsd/archimate/3.0/		
Used by	Element	ViewpointType/allowedElementType	
Attributes	**QName**	**Type**	**Use**
	type	ElementEnumType	required

Source	```xml
	<xs:complexType name="AllowedElementTypeType">
	  <xs:attribute name="type" type="ElementEnumType" use="required"/>
	</xs:complexType>
	``		

Complex Type `AllowedRelationshipTypeType`

Namespace	http://www.opengroup.org/xsd/archimate/3.0/		
Used by	Element	ViewpointType/allowedRelationshipType	
Attributes	**QName**	**Type**	**Use**
	type	RelationshipTypeEnum	required

Source	```xml
	<xs:complexType name="AllowedRelationshipTypeType">
	  <xs:attribute name="type" type="RelationshipTypeEnum" use="required"/>
	</xs:complexType>
	``		

Complex Type `ModelingNoteType`

Namespace	http://www.opengroup.org/xsd/archimate/3.0/		
Used by	Element	ViewpointType/modelingNote	
Model	documentation*		
Children	documentation		
Attributes	**QName**	**Type**	**Use**
	type	xs:string	optional
		This attribute expresses a type for the notes, e.g. OCL for OCL rules.	

Source	```xml
	<xs:complexType name="ModelingNoteType">
	  <xs:annotation>
	    <xs:documentation>This is a set of notes to the modeler on how to use and model with this viewpoint. Could contain rules or constraints. The part hold the information for this element.</xs:documentation>
	  </xs:annotation>
	  <xs:sequence>
	``		

```
        <xs:group ref="DocumentationGroup" minOccurs="1" maxOccurs="unbounded"/>
      </xs:sequence>
      <xs:attribute name="type" type="xs:string" use="optional">
        <xs:annotation>
          <xs:documentation>This attribute expresses a type for the notes, e.g. OCL for OCL rules.</
xs:documentation>
        </xs:annotation>
      </xs:attribute>
    </xs:complexType>
```

Complex Type `ViewType`

Namespace	http://www.opengroup.org/xsd/archimate/3.0/
Type	extension of NamedReferenceableType

Type hierarchy	• ReferenceableType
	  • NamedReferenceableType
	    • ViewType

Properties	abstract: true
Model	name+ , documentation* , ANY element from ANY namespace OTHER than 'http://www.opengroup.org/xsd/archimate/3.0/' , properties{0,1}
Children	documentation, name, properties

QName	Type	Use	
identifier	xs:ID	required	
viewpoint	ViewpointTypeType	optional	
viewpointRef	xs:IDREF	optional	

Wildcard: ANY attribute from ANY namespace OTHER than 'http://www.opengroup.org/xsd/archimate/3.0/'

Source:
```
<xs:complexType name="ViewType" abstract="true">
  <xs:annotation>
    <xs:documentation>Container for View type. Note that View itself is abstract so one must
 have a derived type. the xml example must look like a tag name "view" with an attribute of
 xsi:type="Diagram", if Diagram is a derived type from ViewType.</xs:documentation>
  </xs:annotation>
  <xs:complexContent>
    <xs:extension base="NamedReferenceableType">
      <xs:sequence>
        <xs:group ref="PropertiesGroup"/>
      </xs:sequence>
      <xs:attribute name="viewpoint" type="ViewpointTypeType" use="optional"/>
      <xs:attribute name="viewpointRef" type="xs:IDREF" use="optional"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Simple Type(s)

Simple Type `ViewpointPurposeType`

Namespace	http://www.opengroup.org/xsd/archimate/3.0/
Type	list of ViewpointPurposeEnum
Used by	Element ViewpointType/viewpointPurpose

Source	`<xs:simpleType name="ViewpointPurposeType">`
	  `<xs:list itemType="ViewpointPurposeEnum"/>`
	`</xs:simpleType>`

Simple Type `ViewpointContentType`

Namespace	http://www.opengroup.org/xsd/archimate/3.0/
Type	list of ViewpointContentEnum
Used by	Element ViewpointType/viewpointContent

Source	`<xs:simpleType name="ViewpointContentType">`
	  `<xs:list itemType="ViewpointContentEnum"/>`
	`</xs:simpleType>`

Simple Type `ViewpointTypeType`

Namespace	http://www.opengroup.org/xsd/archimate/3.0/
Type	union of(xs:string, ViewpointsEnum)
Used by	Attribute ViewType/@viewpoint

Source	`<xs:simpleType name="ViewpointTypeType">`
	  `<xs:union memberTypes="xs:string ViewpointsEnum"/>`
	`</xs:simpleType>`

Simple Type `ViewpointPurposeEnum`

Namespace	http://www.opengroup.org/xsd/archimate/3.0/	
Type	restriction of xs:NMTOKEN	
Facets	enumeration	Designing
	enumeration	Deciding
	enumeration	Informing

Source	`<xs:simpleType name="ViewpointPurposeEnum">`
	  `<xs:restriction base="xs:NMTOKEN">`
	    `<xs:enumeration value="Designing"/>`
	    `<xs:enumeration value="Deciding"/>`
	    `<xs:enumeration value="Informing"/>`
	  `</xs:restriction>`
	`</xs:simpleType>`	

Simple Type `ViewpointContentEnum`

Namespace	http://www.opengroup.org/xsd/archimate/3.0/	
Type	restriction of xs:NMTOKEN	
Facets	enumeration	Details
	enumeration	Coherence
	enumeration	Overview

Source	`<xs:simpleType name="ViewpointContentEnum">`
	  `<xs:restriction base="xs:NMTOKEN">`
	    `<xs:enumeration value="Details"/>`
	    `<xs:enumeration value="Coherence"/>`
	    `<xs:enumeration value="Overview"/>`
	  `</xs:restriction>`
	`</xs:simpleType>`	

Simple Type `ViewpointsEnum`

Namespace	http://www.opengroup.org/xsd/archimate/3.0/	
Type	restriction of xs:token	
Facets	enumeration	Organization
	enumeration	Application Platform
	enumeration	Application Structure
	enumeration	Information Structure
	enumeration	Technology
	enumeration	Layered
	enumeration	Physical
	enumeration	Product
	enumeration	Application Usage
	enumeration	Technology Usage
	enumeration	Business Process Cooperation
	enumeration	Application Cooperation
	enumeration	Service Realization

	enumeration	Implementation and Deployment
	enumeration	Goal Realization
	enumeration	Goal Contribution
	enumeration	Principles
	enumeration	Requirements Realization
	enumeration	Motivation
	enumeration	Strategy
	enumeration	Capability Map
	enumeration	Outcome Realization
	enumeration	Resource Map
	enumeration	Value Stream
	enumeration	Project
	enumeration	Migration
	enumeration	Implementation and Migration
	enumeration	Stakeholder
Source		

```xml
<xs:simpleType name="ViewpointsEnum">
  <xs:annotation>
    <xs:documentation>Enumeration of Viewpoint types (informative).</xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:token">
    <!-- Basic Viewpoints -->
    <!-- Category:Composition Viewpoints that defines internal compositions and aggregations of
 elements. -->
    <xs:enumeration value="Organization"/>
    <xs:enumeration value="Application Platform"/>
    <xs:enumeration value="Application Structure"/>
    <xs:enumeration value="Information Structure"/>
    <xs:enumeration value="Technology"/>
    <xs:enumeration value="Layered"/>
    <xs:enumeration value="Physical"/>
    <!-- Category:Support Viewpoints where you are looking at elements that are supported by other
 elements. Typically from one layer and upwards to an above layer. -->
    <xs:enumeration value="Product"/>
    <xs:enumeration value="Application Usage"/>
    <xs:enumeration value="Technology Usage"/>
    <!-- Category:Cooperation Towards peer elements which cooperate with each other. Typically
 across aspects. -->
    <xs:enumeration value="Business Process Cooperation"/>
    <xs:enumeration value="Application Cooperation"/>
    <!-- Category:Realization Viewpoints where you are looking at elements that realize other
 elements. Typically from one layer and downwards to a below layer. -->
    <xs:enumeration value="Service Realization"/>
    <xs:enumeration value="Implementation and Deployment"/>
    <xs:enumeration value="Goal Realization"/>
    <xs:enumeration value="Goal Contribution"/>
    <xs:enumeration value="Principles"/>
    <xs:enumeration value="Requirements Realization"/>
    <xs:enumeration value="Motivation"/>
    <!-- Strategy Viewpoints -->
    <xs:enumeration value="Strategy"/>
    <xs:enumeration value="Capability Map"/>
    <xs:enumeration value="Outcome Realization"/>
    <xs:enumeration value="Resource Map"/>
    <xs:enumeration value="Value Stream"/>
    <!-- Implementation and Migration Viewpoints -->
    <xs:enumeration value="Project"/>
    <xs:enumeration value="Migration"/>
    <xs:enumeration value="Implementation and Migration"/>
    <!-- Other Viewpoints -->
    <xs:enumeration value="Stakeholder"/>
  </xs:restriction>
</xs:simpleType>
```

Element Group(s)

Element Group `ViewRefGroup`

Namespace	http://www.opengroup.org/xsd/archimate/3.0/

Model	viewRef
Children	viewRef

Source	```xml
	<xs:group name="ViewRefGroup">
	  <xs:sequence>
	    <xs:element name="viewRef" type="ReferenceType" minOccurs="1" maxOccurs="1"/>
	  </xs:sequence>
	</xs:group>
	``

Element Group `ViewpointRefGroup`

Namespace	http://www.opengroup.org/xsd/archimate/3.0/
Model	viewpointRef
Children	viewpointRef

Source	```xml
	<xs:group name="ViewpointRefGroup">
	  <xs:sequence>
	    <xs:element name="viewpointRef" type="ReferenceType" minOccurs="1" maxOccurs="1"/>
	  </xs:sequence>
	</xs:group>
	``

Attribute Group(s)

Attribute Group `ViewRefAttributeGroup`

Namespace	http://www.opengroup.org/xsd/archimate/3.0/			
Attributes	**QName**	**Type**	**Use**	
	viewRef	xs:IDREF	required	

Source	```xml
	<xs:attributeGroup name="ViewRefAttributeGroup">
	  <xs:attribute name="viewRef" type="xs:IDREF" use="required"/>
	</xs:attributeGroup>
	``			

Attribute Group `ViewpointRefAttributeGroup`

Namespace	http://www.opengroup.org/xsd/archimate/3.0/			
Attributes	**QName**	**Type**	**Use**	
	viewpointRef	xs:IDREF	required	

Source	```xml
	<xs:attributeGroup name="ViewpointRefAttributeGroup">
	  <xs:attribute name="viewpointRef" type="xs:IDREF" use="required"/>
	</xs:attributeGroup>
	``			