

Schema documentation for aclWSS.xsd

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Resource hierarchy:

Legend:  Import,  Include,  Redefine,  Cycle detected

aclWSS.xsd

  acl.xsd

  user.xsd

Namespace: "http://www.ime.iiasa.ac.at/aclWSS"

Schema(s)

Main schema aclWSS.xsd

Namespace	http://www.ime.iiasa.ac.at/aclWSS	
Properties	attribute form default:	unqualified
	element form default:	qualified

Element(s)

Element `aws:permissionRequest`

Namespace	http://www.ime.iiasa.ac.at/aclWSS
Diagram	
Properties	content: complex
Model	aws:securityID , aws:objectType , aws:idObject , aws:permission , aws:permissionRequestType
Children	aws:idObject, aws:objectType, aws:permission, aws:permissionRequestType, aws:securityID
Instance	<pre><aws:permissionRequest xmlns:aws="http://www.ime.iiasa.ac.at/aclWSS"> <aws:securityID>{1,1}</aws:securityID> <aws:objectType>{1,1}</aws:objectType> <aws:idObject>{1,1}</aws:idObject> <aws:permission>{1,1}</aws:permission> <aws:permissionRequestType>{1,1}</aws:permissionRequestType> </aws:permissionRequest></pre>
Source	<pre><xs:element name="permissionRequest"> <xs:complexType> <xs:sequence> <xs:element name="securityID" type="acl:securityID" minOccurs="1" maxOccurs="1"/> <xs:element name="objectType" type="acl:objectType" minOccurs="1" maxOccurs="1"/> <xs:element name="idObject" type="xs:int"> <xs:annotation> <xs:documentation>refer to the primary id of the domain object</xs:documentation> </xs:annotation> </xs:element> <xs:element name="permission" type="aws:permission" minOccurs="1" maxOccurs="1"/> <xs:element name="permissionRequestType" type="aws:permissionRequestType"/> </xs:sequence> </xs:complexType> </xs:element></pre>

Element `aws:permissionResponse`

Namespace	http://www.ime.iiasa.ac.at/aclWSS
Diagram	
Properties	content: complex
Model	aws:result
Children	aws:result
Instance	<pre><aws:permissionResponse xmlns:aws="http://www.ime.iiasa.ac.at/aclWSS"> <aws:result>{1,1}</aws:result> </aws:permissionResponse></pre>
Source	<pre><xs:element name="permissionResponse"> <xs:complexType> <xs:sequence> <xs:element name="result" type="xs:string" minOccurs="1" maxOccurs="1"/> </xs:sequence> </xs:complexType> </xs:element></pre>

Element aws:getObjectPermissionsRequest

Namespace	http://www.ime.iiasa.ac.at/aclWSS
Annotations	get all securityID permissions for an objects
Diagram	
Properties	content: complex
Model	aws:objectType , aws:idObject
Children	aws:idObject, aws:objectType
Instance	<pre><aws:getObjectPermissionsRequest xmlns:aws="http://www.ime.iiasa.ac.at/aclWSS"> <aws:objectType>{1,1}</aws:objectType> <aws:idObject>{1,1}</aws:idObject> </aws:getObjectPermissionsRequest></pre>
Source	<pre><xs:element name="getObjectPermissionsRequest"> <xs:annotation> <xs:documentation>get all securityID permissions for an objects</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="objectType" type="acl:objectType" minOccurs="1" maxOccurs="1"/> <xs:element name="idObject" type="xs:int"> <xs:annotation> <xs:documentation>refer to the primary id of the domain object</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>

Element aws:getObjectPermissionsResponse

Namespace	http://www.ime.iiasa.ac.at/aclWSS
Diagram	
Properties	content: complex
Model	aws:objectType , aws:idObject , aws:securityIDPermissions*
Children	aws:idObject, aws:objectType, aws:securityIDPermissions
Instance	<pre><aws:getObjectPermissionsResponse xmlns:aws="http://www.ime.iiasa.ac.at/aclWSS"> <aws:objectType>{1,1}</aws:objectType> <aws:idObject>{1,1}</aws:idObject> <aws:securityIDPermissions>{0,unbounded}</aws:securityIDPermissions> </aws:getObjectPermissionsResponse></pre>
Source	<pre><xs:element name="getObjectPermissionsResponse"> <xs:complexType> <xs:sequence> <xs:element name="objectType" type="acl:objectType" minOccurs="1" maxOccurs="1"/> <xs:element name="idObject" type="xs:int"/> <xs:element name="securityIDPermissions" type="aws:securityIDPermissions" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element></pre>

Element aws:getObjectsWithUserPermissionsRequest

Namespace	http://www.ime.iiasa.ac.at/aclWSS
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Annotations	get users permissions for a list of objects
Diagram	
Properties	content: complex
Model	aws:user , aws:objectType , aws:idObject+
Children	aws:idObject, aws:objectType, aws:user
Instance	<pre><aws:getObjectsWithUserPermissionsRequest xmlns:aws="http://www.ime.iiasa.ac.at/aclWSS"> <aws:user>{1,1}</aws:user> <aws:objectType>{1,1}</aws:objectType> <aws:idObject>{1,unbounded}</aws:idObject> </aws:getObjectsWithUserPermissionsRequest></pre>
Source	<pre><xs:element name="getObjectsWithUserPermissionsRequest"> <xs:annotation> <xs:documentation>get users permissions for a list of objects</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="user" type="u:user" minOccurs="1" maxOccurs="1"/> <xs:element name="objectType" type="acl:objectType" minOccurs="1" maxOccurs="1"/> <xs:element name="idObject" type="xs:int" minOccurs="1" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>list of the primary id of the domain object</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>

Element aws:getObjectsWithUserPermissionsResponse

Namespace	http://www.ime.iiasa.ac.at/aclWSS
Diagram	
Properties	content: complex
Model	aws:objectType , aws:user , aws:objectPermissions+
Children	aws:objectPermissions, aws:objectType, aws:user
Instance	<pre><aws:getObjectsWithUserPermissionsResponse xmlns:aws="http://www.ime.iiasa.ac.at/aclWSS"> <aws:objectType>{1,1}</aws:objectType> <aws:user>{1,1}</aws:user> <aws:objectPermissions>{1,unbounded}</aws:objectPermissions> </aws:getObjectsWithUserPermissionsResponse></pre>
Source	<pre><xs:element name="getObjectsWithUserPermissionsResponse"> <xs:complexType> <xs:sequence> <xs:element name="objectType" type="acl:objectType" minOccurs="1" maxOccurs="1"/> <xs:element name="user" type="u:user" minOccurs="1" maxOccurs="1"/> <xs:element name="objectPermissions" type="aws:objectPermissions" minOccurs="1" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element></pre>

Simple Type(s)

Simple Type `aws:permission`

Namespace	http://www.ime.iiasa.ac.at/aclWSS										
Diagram											
Type	restriction of xs:string										
Facets	<table border="1"> <tr><td>enumeration</td><td>READ</td></tr> <tr><td>enumeration</td><td>WRITE</td></tr> <tr><td>enumeration</td><td>CREATE</td></tr> <tr><td>enumeration</td><td>DELETE</td></tr> <tr><td>enumeration</td><td>ADMIN</td></tr> </table>	enumeration	READ	enumeration	WRITE	enumeration	CREATE	enumeration	DELETE	enumeration	ADMIN
enumeration	READ										
enumeration	WRITE										
enumeration	CREATE										
enumeration	DELETE										
enumeration	ADMIN										
Used by	Elements aws:objectPermissions/aws:permission, aws:permissionRequest/aws:permission, aws:securityIDPermissions/aws:permission										
Source	<pre> <xs:simpleType name="permission"> <xs:restriction base="xs:string"> <xs:enumeration value="READ"/> <xs:enumeration value="WRITE"/> <xs:enumeration value="CREATE"/> <xs:enumeration value="DELETE"/> <xs:enumeration value="ADMIN"/> </xs:restriction> </xs:simpleType> </pre>										

Simple Type `aws:permissionRequestType`

Namespace	http://www.ime.iiasa.ac.at/aclWSS						
Diagram							
Type	restriction of xs:string						
Facets	<table border="1"> <tr><td>enumeration</td><td>ADD</td></tr> <tr><td>enumeration</td><td>DELETE</td></tr> <tr><td>enumeration</td><td>CHANGE</td></tr> </table>	enumeration	ADD	enumeration	DELETE	enumeration	CHANGE
enumeration	ADD						
enumeration	DELETE						
enumeration	CHANGE						
Used by	Element aws:permissionRequest/aws:permissionRequestType						
Source	<pre> <xs:simpleType name="permissionRequestType"> <xs:restriction base="xs:string"> <xs:enumeration value="ADD"/> <xs:enumeration value="DELETE"/> <xs:enumeration value="CHANGE"/> </xs:restriction> </xs:simpleType> </pre>						

Complex Type(s)

Complex Type `aws:securityIDPermissions`

Namespace	http://www.ime.iiasa.ac.at/aclWSS
Diagram	
Used by	Element aws:getObjectPermissionsResponse/aws:securityIDPermissions
Model	aws:securityID , aws:permission+

Children	aws:permission, aws:scurityID
Source	<pre><xs:complexType name="securityIDPermissions"> <xs:sequence> <xs:element name="scurityID" type="acl:scurityID" minOccurs="1" maxOccurs="1"/> <xs:element name="permission" type="aws:permission" minOccurs="1" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType></pre>

Complex Type aws:objectPermissions

Namespace	http://www.ime.iiasa.ac.at/aclWSS
Diagram	
Used by	Element aws:getObjectsWithUserPermissionsResponse/aws:objectPermissions
Model	aws:idObject , aws:permission+
Children	aws:idObject, aws:permission
Source	<pre><xs:complexType name="objectPermissions"> <xs:sequence> <xs:element name="idObject" type="xs:int" minOccurs="1" maxOccurs="1"/> <xs:element name="permission" type="aws:permission" minOccurs="1" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType></pre>

Namespace: "http://www.ime.iiasa.ac.at/acl"

Schema(s)

Imported schema acl.xsd

Namespace	http://www.ime.iiasa.ac.at/acl
Properties	attribute form default: unqualified element form default: qualified

Complex Type(s)

Complex Type acl:scurityID

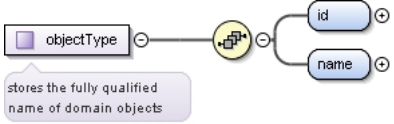
Namespace	http://www.ime.iiasa.ac.at/acl
Annotations	stores the name of the users which can be principal (like user's login: hongtao) or a group (like group name: ENE) or an authority (like roles: ROLE_ADMIN, ROLE_USER, etc)
Diagram	
Used by	Elements acl:aclEntry/acl:scurityID, acl:objectIdentity/acl:ownerID, aws:permissionRequest/aws:scurityID, aws:securityIDPermissions/aws:scurityID
Model	acl:id , acl:type , acl:name
Children	acl:id, acl:name, acl:type
Source	<pre><xs:complexType name="scurityID"> <xs:annotation> <xs:documentation>stores the name of the users which can be principal (like user's login: hongtao) or a group (like group name: ENE) or an authority (like roles: ROLE_ADMIN, ROLE_USER, etc)</xs:documentation> </xs:annotation> <xs:sequence></pre>

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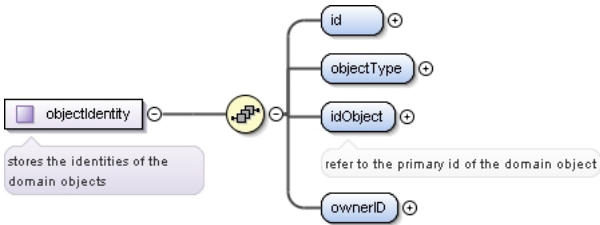
<xs:element name="id" type="xs:int"/>
<xs:element name="type" type="acl:sidType"/>
<xs:element name="name" type="xs:string"/>
</xs:sequence>
</xs:complexType>

```

Complex Type `acl:objectType`

Namespace	http://www.ime.iiasa.ac.at/acl	
Annotations	stores the fully qualified name of domain objects	
Diagram		
Used by	Elements	acl:objectIdentity/acl:objectType , aws:getObjectPermissionsRequest/aws:objectType , aws:getObjectPermissionsResponse/aws:objectType , aws:getObjectsWithUserPermissionsRequest/ aws:objectType , aws:getObjectsWithUserPermissionsResponse/aws:objectType , aws:permissionRequest/aws:objectType
Model	acl:id , acl:name	
Children	acl:id, acl:name	
Source	<pre> <xs:complexType name="objectType"> <xs:annotation> <xs:documentation>stores the fully qualified name of domain objects</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="id" type="xs:int"/> <xs:element name="name" type="xs:string"/> </xs:sequence> </xs:complexType> </pre>	

Complex Type `acl:objectIdentity`

Namespace	http://www.ime.iiasa.ac.at/acl	
Annotations	stores the identities of the domain objects	
Diagram		
Used by	Element	acl:aclEntry/acl:objectIdentity
Model	acl:id , acl:objectType , acl:idObject , acl:ownerID	
Children	acl:id, acl:idObject, acl:objectType, acl:ownerID	
Source	<pre> <xs:complexType name="objectIdentity"> <xs:annotation> <xs:documentation>stores the identities of the domain objects</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="id" type="xs:int"/> <xs:element name="objectType" type="acl:objectType"/> <xs:element name="idObject" type="xs:int"> <xs:annotation> <xs:documentation>refer to the primary id of the domain object</xs:documentation> </xs:annotation> </xs:element> <xs:element name="ownerID" type="acl:securityID"/> </xs:sequence> </xs:complexType> </pre>	

Complex Type `acl:aclEntry`

Namespace	http://www.ime.iiasa.ac.at/acl	
Annotations	stores the actual permissions assigned for each securityID and domain object	

Diagram	
Model	acl:id , acl:objectIdentity , acl:securityID , acl:mask
Children	acl:id, acl:mask, acl:objectIdentity, acl:securityID
Source	<pre> <xs:complexType name="aclEntry"> <xs:annotation> <xs:documentation>stores the actual permissions assigned for each securityID and domain object</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="id" type="xs:int"/> <xs:element name="objectIdentity" type="acl:objectIdentity"/> <xs:element name="securityID" type="acl:securityID"/> <xs:element name="mask" type="xs:int"> <xs:annotation> <xs:documentation>bitwise mask to indicate the permissions: 1:read,2:write,4:create,8:delete,16:admin</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </pre>

Simple Type(s)

Simple Type acl:sidType

Namespace	http://www.ime.iiasa.ac.at/acl						
Diagram							
Type	restriction of xs:string						
Facets	<table> <tr> <td>enumeration</td><td>USER</td></tr> <tr> <td>enumeration</td><td>GROUP</td></tr> <tr> <td>enumeration</td><td>ROLE</td></tr> </table>	enumeration	USER	enumeration	GROUP	enumeration	ROLE
enumeration	USER						
enumeration	GROUP						
enumeration	ROLE						
Used by	Element acl:securityID/acl:type						
Source	<pre> <xs:simpleType name="sidType"> <xs:restriction base="xs:string"> <xs:enumeration value="USER"/> <xs:enumeration value="GROUP"/> <xs:enumeration value="ROLE"/> </xs:restriction> </xs:simpleType> </pre>						

Namespace: "http://www.ime.iiasa.ac.at/user"

Schema(s)

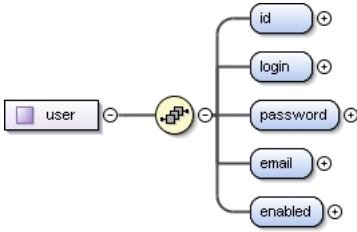
Imported schema user.xsd

Namespace	http://www.ime.iiasa.ac.at/user				
Properties	<table> <tr> <td>attribute form default:</td><td>unqualified</td></tr> <tr> <td>element form default:</td><td>qualified</td></tr> </table>	attribute form default:	unqualified	element form default:	qualified
attribute form default:	unqualified				
element form default:	qualified				

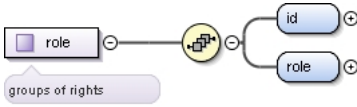
Complex Type(s)

Complex Type u:user

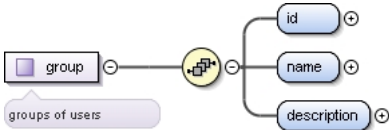
Namespace	http://www.ime.iiasa.ac.at/user
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Diagram		
Used by	Elements	aws:getObjectsWithUserPermissionsRequest/aws:user, aws:getObjectsWithUserPermissionsResponse/aws:user, u:groupMember/u:user, u:userAuthority/u:user
Model	u:id , u:login , u:password , u:email , u:enabled	
Children	u:email, u:enabled, u:id, u:login, u:password	
Source	<pre> <xs:complexType name="user"> <xs:sequence> <xs:element name="id" type="xs:int"/> <xs:element name="login" type="xs:string"/> <xs:element name="password" type="xs:string"/> <xs:element name="email" type="xs:string"/> <xs:element name="enabled" type="xs:boolean"/> </xs:sequence> </xs:complexType> </pre>	

Complex Type u:role

Namespace	http://www.ime.iiasa.ac.at/user	
Annotations	groups of rights	
Diagram		
Used by	Elements	u:groupAuthority/u:role, u:groupMember/u:role, u:userAuthority/u:role
Model	u:id , u:role	
Children	u:id, u:role	
Source	<pre> <xs:complexType name="role"> <xs:annotation> <xs:documentation>groups of rights</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="id" type="xs:int"/> <xs:element name="role" type="xs:string"/> </xs:sequence> </xs:complexType> </pre>	

Complex Type u:group

Namespace	http://www.ime.iiasa.ac.at/user	
Annotations	groups of users	
Diagram		
Used by	Elements	u:groupAuthority/u:group, u:groupMember/u:group
Model	u:id , u:name , u:description	
Children	u:description, u:id, u:name	
Source	<pre> <xs:complexType name="group"> <xs:annotation> <xs:documentation>groups of users</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="id" type="xs:int"/> <xs:element name="name" type="xs:string"/> <xs:element name="description" type="xs:string"/> </xs:sequence> </xs:complexType> </pre>	

```
</xs:complexType>
```

Complex Type u:groupMember

Namespace	http://www.ime.iiasa.ac.at/user
Diagram	
Model	u:group , u:user , u:role{0,1}
Children	u:group, u:role, u:user
Source	<pre><xs:complexType name="groupMember"> <xs:sequence> <xs:element name="group" type="u:group" minOccurs="1" maxOccurs="1"/> <xs:element name="user" type="u:user" minOccurs="1" maxOccurs="1"/> <xs:element name="role" type="u:role" minOccurs="0" maxOccurs="1"/> </xs:sequence> </xs:complexType></pre>

Complex Type u:userAuthority

Namespace	http://www.ime.iiasa.ac.at/user
Diagram	
Model	u:user , u:role
Children	u:role, u:user
Source	<pre><xs:complexType name="userAuthority"> <xs:sequence> <xs:element name="user" type="u:user" minOccurs="1" maxOccurs="1"/> <xs:element name="role" type="u:role" minOccurs="1" maxOccurs="1"/> </xs:sequence> </xs:complexType></pre>

Complex Type u:groupAuthority

Namespace	http://www.ime.iiasa.ac.at/user
Diagram	
Model	u:group , u:role
Children	u:group, u:role
Source	<pre><xs:complexType name="groupAuthority"> <xs:sequence> <xs:element name="group" type="u:group" minOccurs="1" maxOccurs="1"/> <xs:element name="role" type="u:role" minOccurs="1" maxOccurs="1"/> </xs:sequence> </xs:complexType></pre>