

Schema XACML v0.11c.xsd

schema location: <C:\temp\XACML v0.11c.xsd>
targetNamespace: <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

Elements

[and](#)
[attributeFunction](#)
[divide](#)
[equal](#)
[greaterOrEqual](#)
[lessOrEqual](#)
[minus](#)
[nOf](#)
[nonNullSetIntersection](#)
[not](#)
[or](#)
[orderedOr](#)
[patternMatch](#)
[plus](#)
[policySetStatement](#)
[policyStatement](#)
[predicate](#)
[predicateExpression](#)
[present](#)
[rule](#)
[subset](#)
[superset](#)
[times](#)

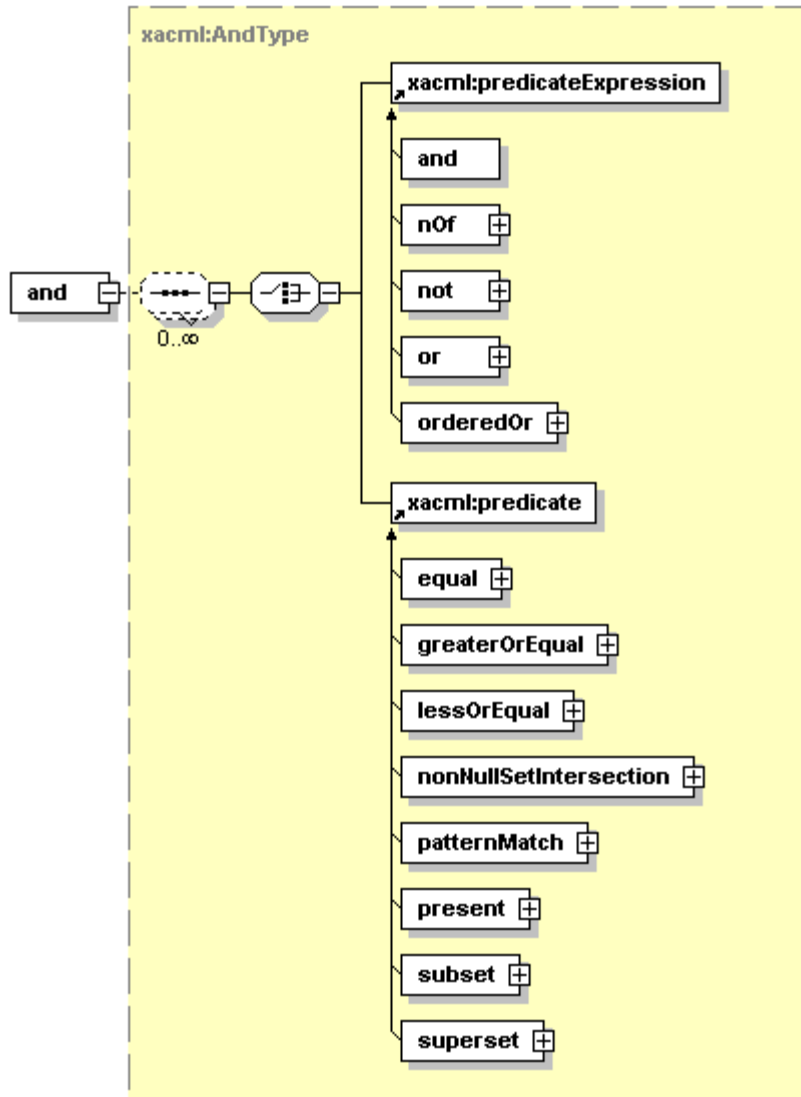
Complex types

[ActionsType](#)
[AndType](#)
[ArgumentListType](#)
[AttributeFunctionAbstractType](#)
[CompareType](#)
[NOFType](#)
[NotType](#)
[ObligationsType](#)
[ObligationType](#)
[OrderedOrType](#)
[OrType](#)
[PolicyDesignatorType](#)
[PolicySetDesignatorType](#)
[PolicySetStatementType](#)
[PolicySetType](#)
[PolicyStatementType](#)
[PredicateAbstractType](#)
[PredicateExpressionAbstractType](#)
[PredicateExpressionType](#)
[PresentType](#)
[ResourcesType](#)
[RuleDesignatorType](#)
[RuleSetType](#)
[RuleType](#)
[SubjectsType](#)
[TargetType](#)

Simple types

[EffectType](#)

element **and**
 diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

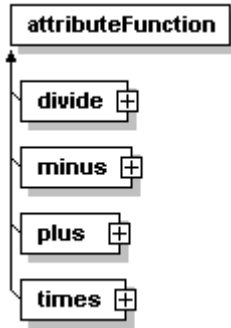
type [xacml:AndType](#)

children [xacml:predicateExpression](#) [xacml:predicate](#)

source `<xs:element name="and" type="xacml:AndType" substitutionGroup="xacml:predicateExpression"/>`

element **attributeFunction**

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

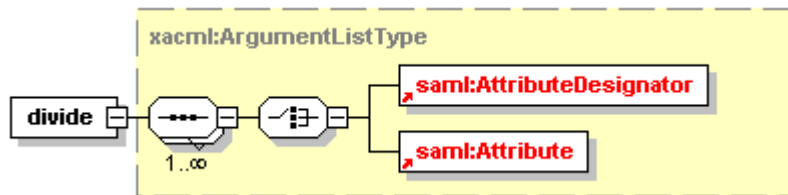
type [xacml:AttributeFunctionAbstractType](#)

used by complexType [CompareType](#)

source `<xs:element name="attributeFunction" type="xacml:AttributeFunctionAbstractType" abstract="true"/>`

element **divide**

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

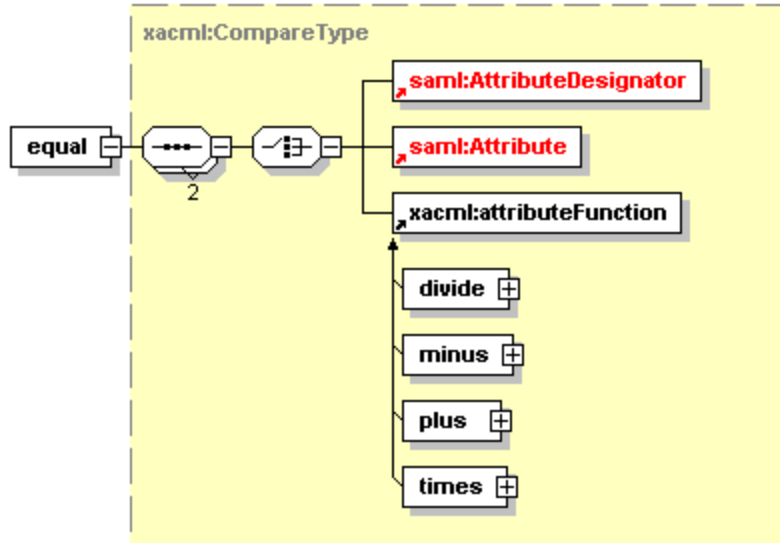
type [xacml:ArgumentListType](#)

children **saml:AttributeDesignator** **saml:Attribute**

source `<xs:element name="divide" type="xacml:ArgumentListType" substitutionGroup="xacml:attributeFunction"/>`

element equal

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

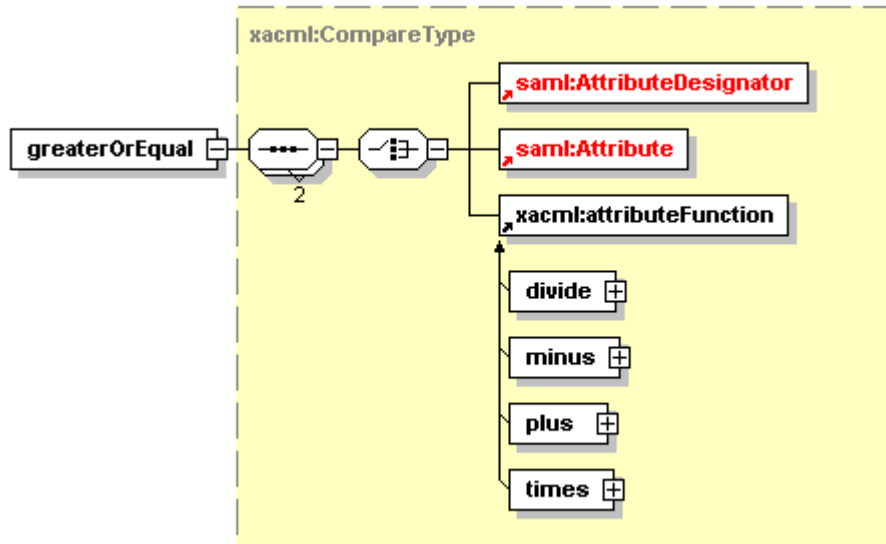
type [xacml:CompareType](#)

children `saml:AttributeDesignator` `saml:Attribute` [xacml:attributeFunction](#)

source `<xs:element name="equal" type="xacml:CompareType" substitutionGroup="xacml:predicate"/>`

element greaterOrEqual

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

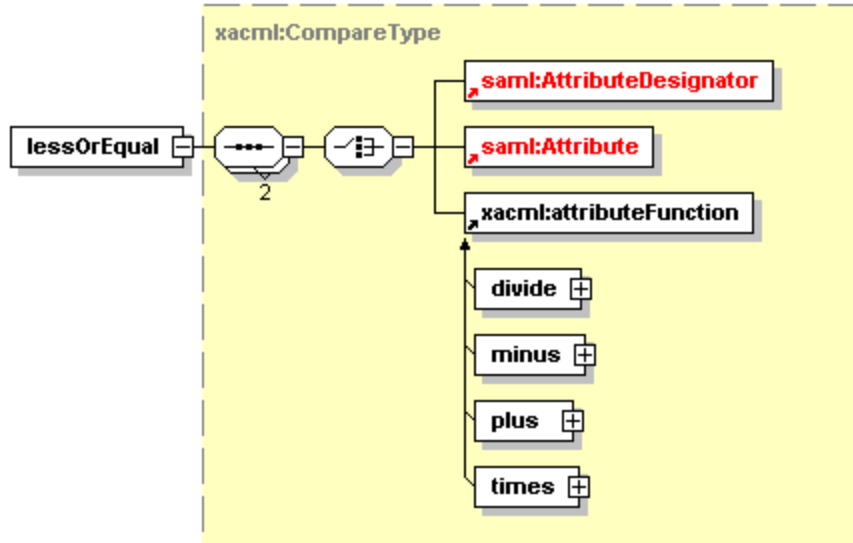
type [xacml:CompareType](#)

children `saml:AttributeDesignator` `saml:Attribute` [xacml:attributeFunction](#)

source `<xs:element name="greaterOrEqual" type="xacml:CompareType" substitutionGroup="xacml:predicate"/>`

element lessOrEqual

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

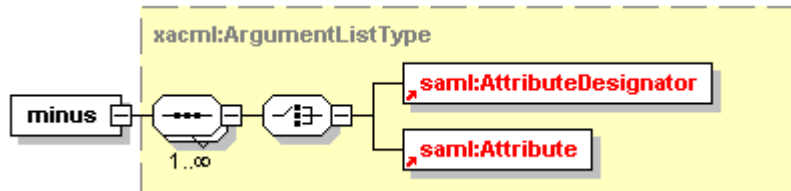
type [xacml:CompareType](#)

children **saml:AttributeDesignator** **saml:Attribute** [xacml:attributeFunction](#)

source `<xs:element name="lessOrEqual" type="xacml:CompareType" substitutionGroup="xacml:predicate"/>`

element minus

diagram



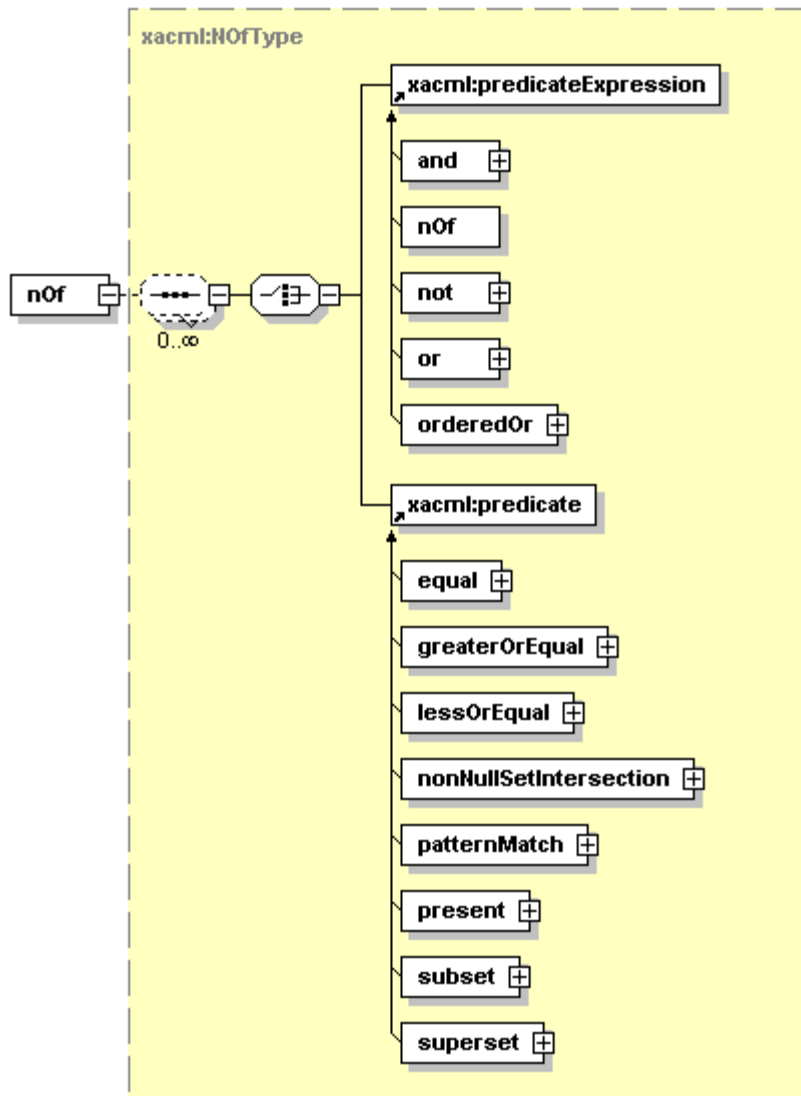
namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

type [xacml:ArgumentListType](#)

children **saml:AttributeDesignator** **saml:Attribute**

source `<xs:element name="minus" type="xacml:ArgumentListType" substitutionGroup="xacml:attributeFunction"/>`

element **nOf**
diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

type [xacml:NOType](#)

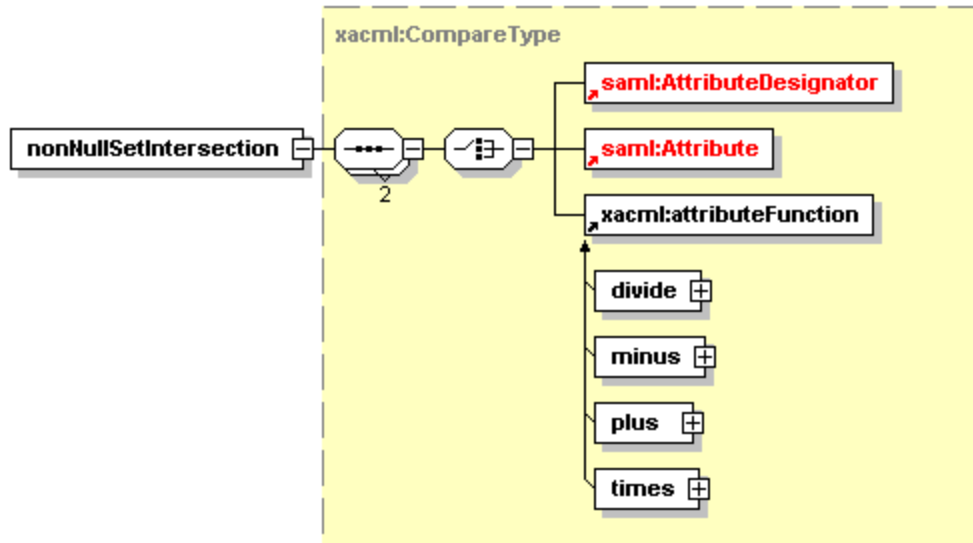
children [xacml:predicateExpression](#) [xacml:predicate](#)

attributes	Name	Type	Use	Default	Fixed	Annotation
	quorum	xs:positiveInteger				

source `<xs:element name="nOf" type="xacml:NOType" substitutionGroup="xacml:predicateExpression"/>`

element **nonNullSetIntersection**

diagram



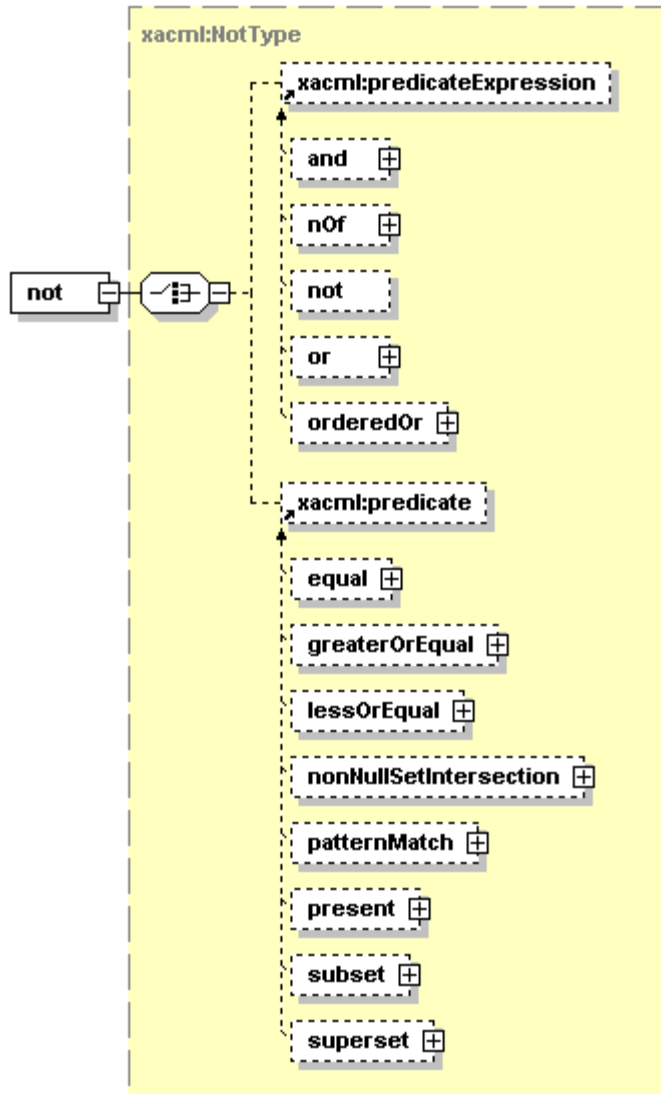
namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

type [xacml:CompareType](#)

children **saml:AttributeDesignator** **saml:Attribute** [xacml:attributeFunction](#)

source `<xs:element name="nonNullSetIntersection" type="xacml:CompareType" substitutionGroup="xacml:predicate"/>`

element **not**
diagram



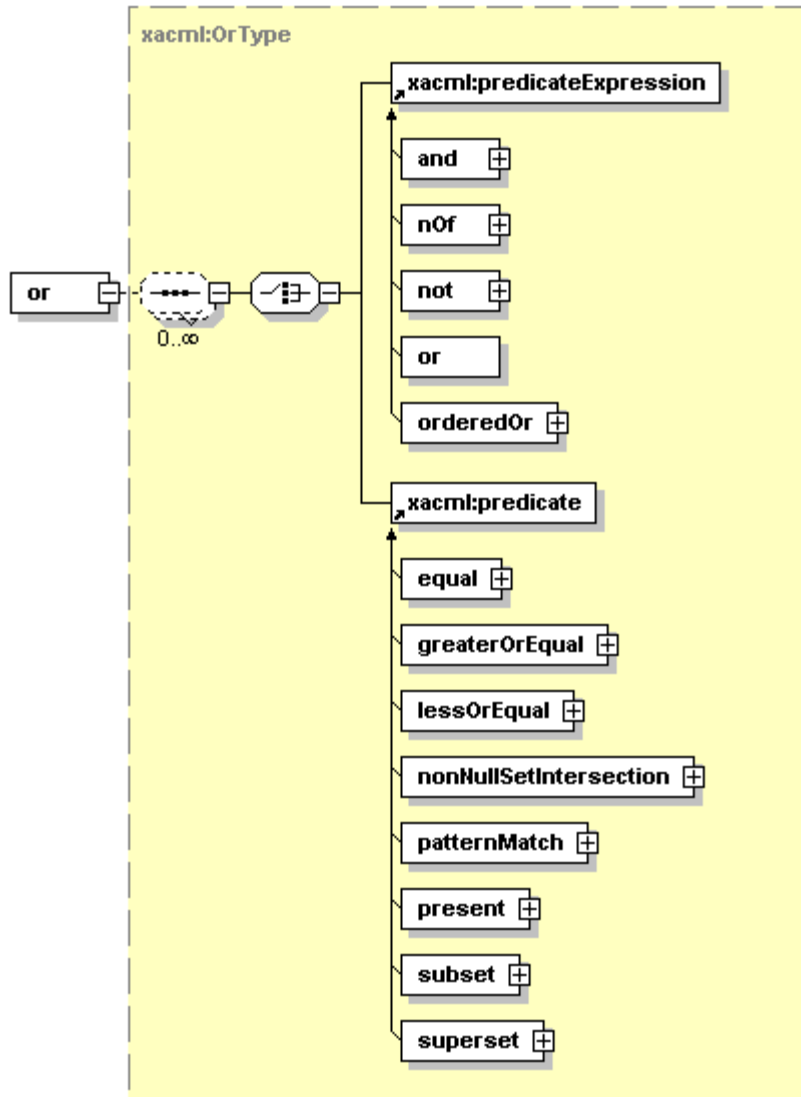
namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

type [xacml:NotType](#)

children [xacml:predicateExpression](#) [xacml:predicate](#)

source `<xs:element name="not" type="xacml:NotType" substitutionGroup="xacml:predicateExpression"/>`

element **or**
diagram



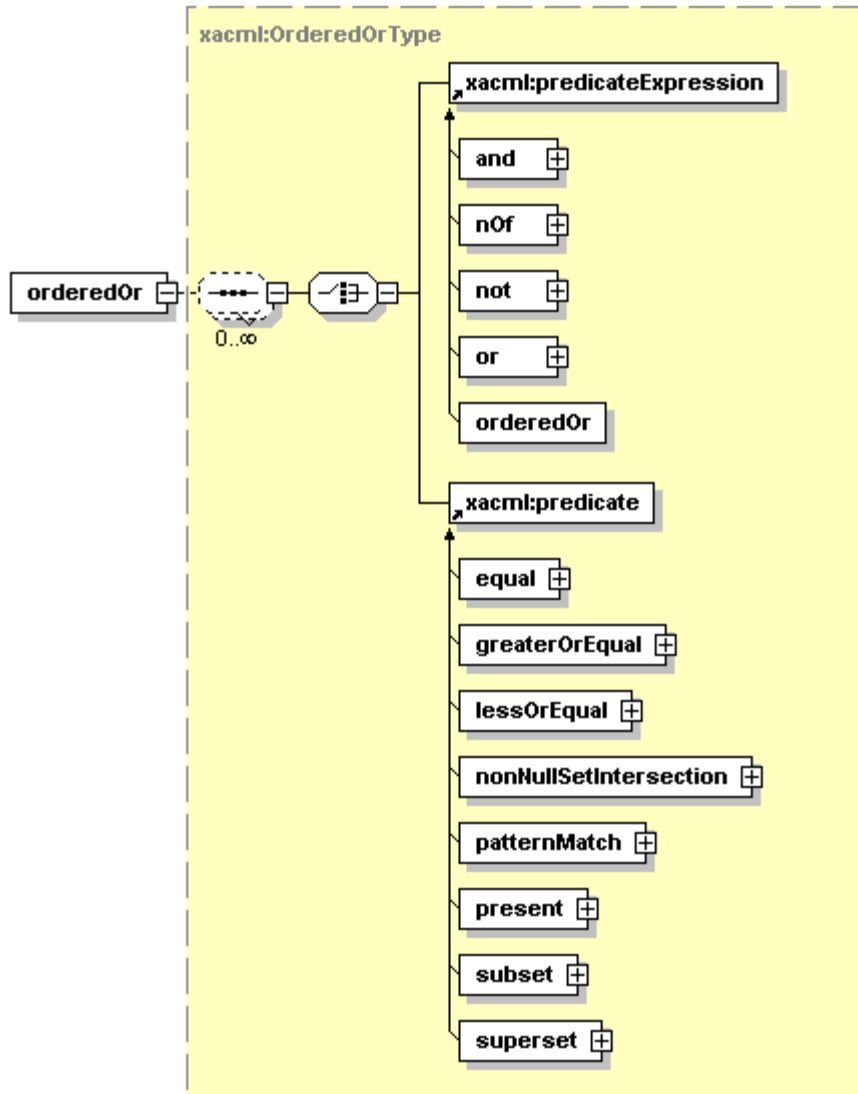
namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

type [xacml:OrType](#)

children [xacml:predicateExpression](#) [xacml:predicate](#)

source `<xs:element name="or" type="xacml:OrType" substitutionGroup="xacml:predicateExpression"/>`

element **orderedOr**
diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

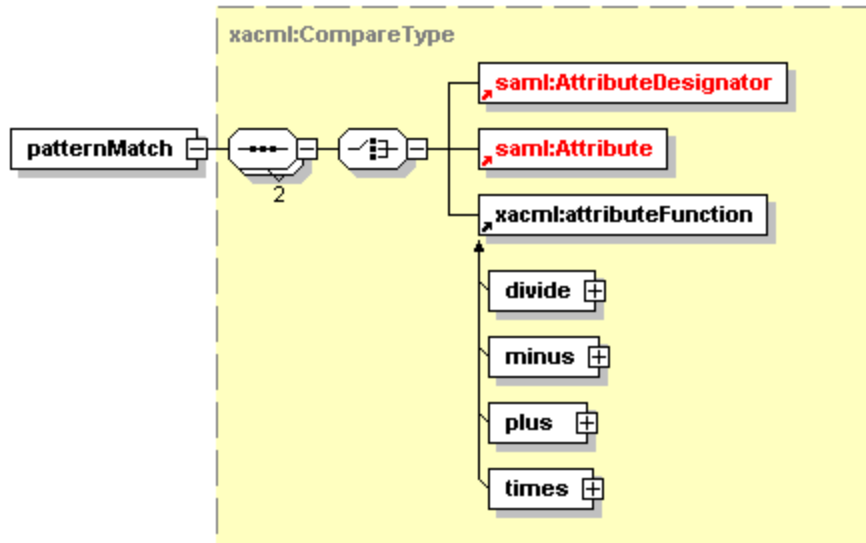
type [xacml:OrderedOrType](#)

children [xacml:predicateExpression](#) [xacml:predicate](#)

source `<xs:element name="orderedOr" type="xacml:OrderedOrType" substitutionGroup="xacml:predicateExpression"/>`

element **patternMatch**

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

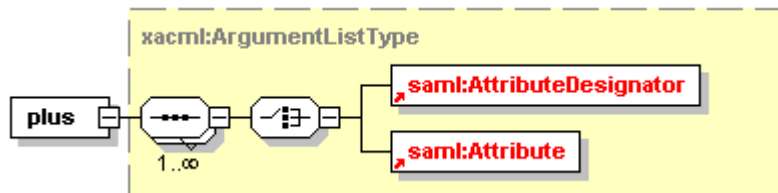
type [xacml:CompareType](#)

children **saml:AttributeDesignator** **saml:Attribute** [xacml:attributeFunction](#)

source `<xs:element name="patternMatch" type="xacml:CompareType" substitutionGroup="xacml:predicate"/>`

element **plus**

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

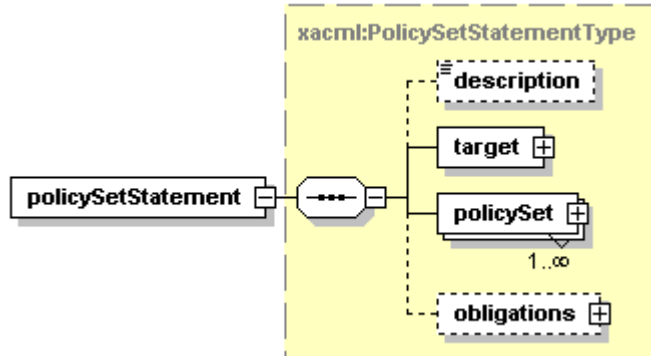
type [xacml:ArgumentListType](#)

children **saml:AttributeDesignator** **saml:Attribute**

source `<xs:element name="plus" type="xacml:ArgumentListType" substitutionGroup="xacml:attributeFunction"/>`

element **policySetStatement**

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

type [xacml:PolicySetStatementType](#)

children [description](#) [target](#) [policySet](#) [obligations](#)

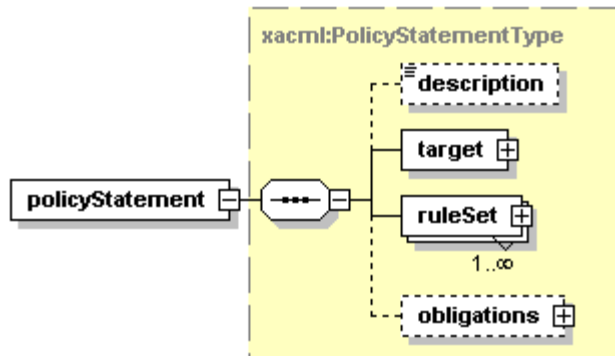
used by complexType [PolicySetType](#)

attributes	Name	Type	Use	Default	Fixed	Annotation
	policySetId	xs:anyURI	required			
	policySetName	xs:string	optional			
	policyCombiningAlgId	xs:anyURI	required			

source `<xs:element name="policySetStatement" type="xacml:PolicySetStatementType"/>`

element **policyStatement**

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

type [xacml:PolicyStatementType](#)

children [description](#) [target](#) [ruleSet](#) [obligations](#)

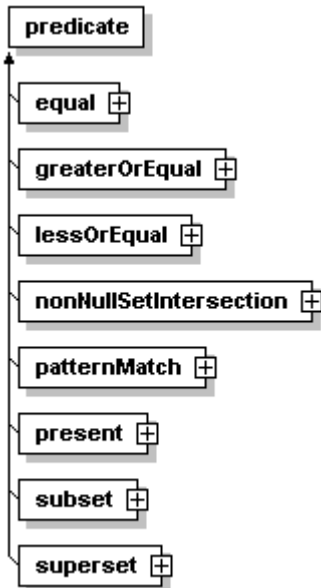
used by complexType [PolicySetType](#)

attributes	Name	Type	Use	Default	Fixed	Annotation
	policyId	xs:anyURI	required			
	policyName	xs:string	optional			
	ruleCombiningAlgId	xs:anyURI	required			

source `<xs:element name="policyStatement" type="xacml:PolicyStatementType"/>`

element **predicate**

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

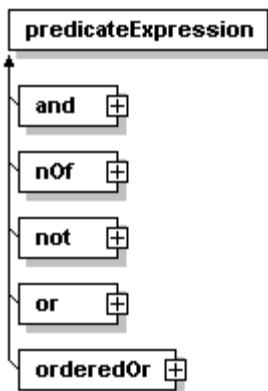
type [xacml:PredicateAbstractType](#)

used by complexTypes [AndType](#) [NOfType](#) [NotType](#) [OrderedOrType](#) [OrType](#) [PredicateExpressionType](#)

source `<xs:element name="predicate" type="xacml:PredicateAbstractType" abstract="true"/>`

element **predicateExpression**

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

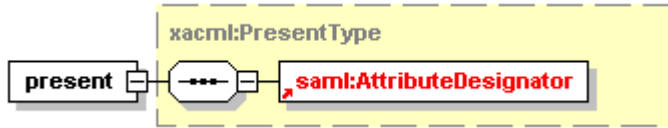
type [xacml:PredicateExpressionAbstractType](#)

used by complexTypes [AndType](#) [NOfType](#) [NotType](#) [OrderedOrType](#) [OrType](#) [PredicateExpressionType](#)

source `<xs:element name="predicateExpression" type="xacml:PredicateExpressionAbstractType" abstract="true"/>`

element present

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

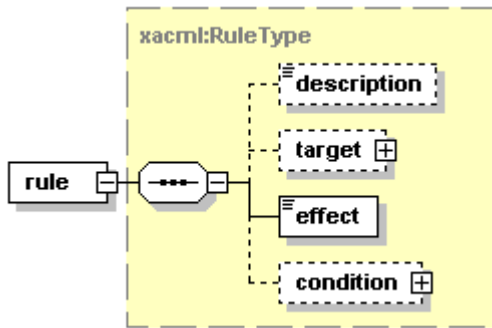
type [xacml:PresentType](#)

children **saml:AttributeDesignator**

source `<xs:element name="present" type="xacml:PresentType" substitutionGroup="xacml:predicate"/>`

element rule

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

type [xacml:RuleType](#)

children [description](#) [target](#) [effect](#) [condition](#)

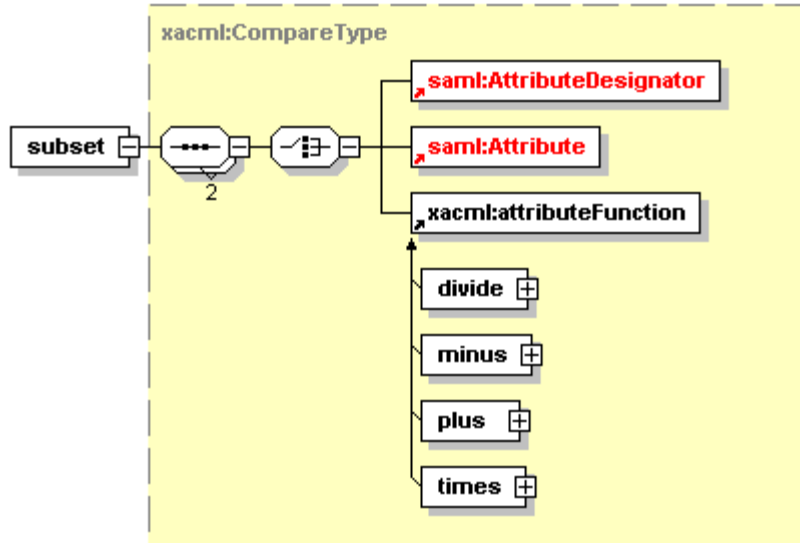
used by complexType [RuleSetType](#)

attributes	Name	Type	Use	Default	Fixed	Annotation
	<code>ruleId</code>	<code>xs:anyURI</code>	required			
	<code>ruleName</code>	<code>xs:string</code>	optional			

source `<xs:element name="rule" type="xacml:RuleType"/>`

element subset

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

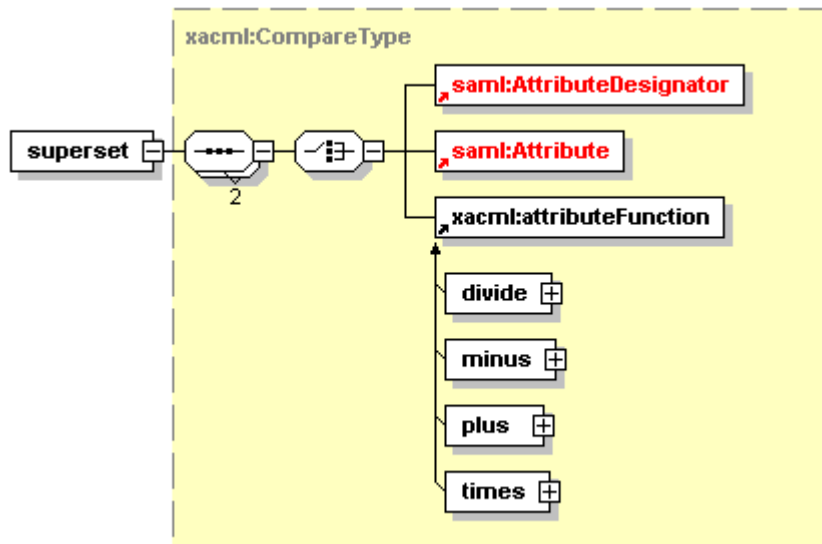
type [xacml:CompareType](#)

children `saml:AttributeDesignator` `saml:Attribute` [xacml:attributeFunction](#)

source `<xs:element name="subset" type="xacml:CompareType" substitutionGroup="xacml:predicate"/>`

element superset

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

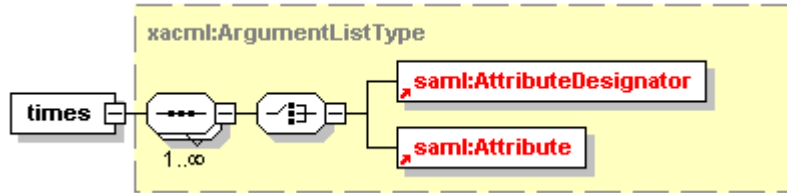
type [xacml:CompareType](#)

children `saml:AttributeDesignator` `saml:Attribute` [xacml:attributeFunction](#)

source `<xs:element name="superset" type="xacml:CompareType" substitutionGroup="xacml:predicate"/>`

element **times**

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

type [xacml:ArgumentListType](#)

children **saml:AttributeDesignator** **saml:Attribute**

source `<xs:element name="times" type="xacml:ArgumentListType" substitutionGroup="xacml:attributeFunction"/>`

complexType **ActionsType**

diagram



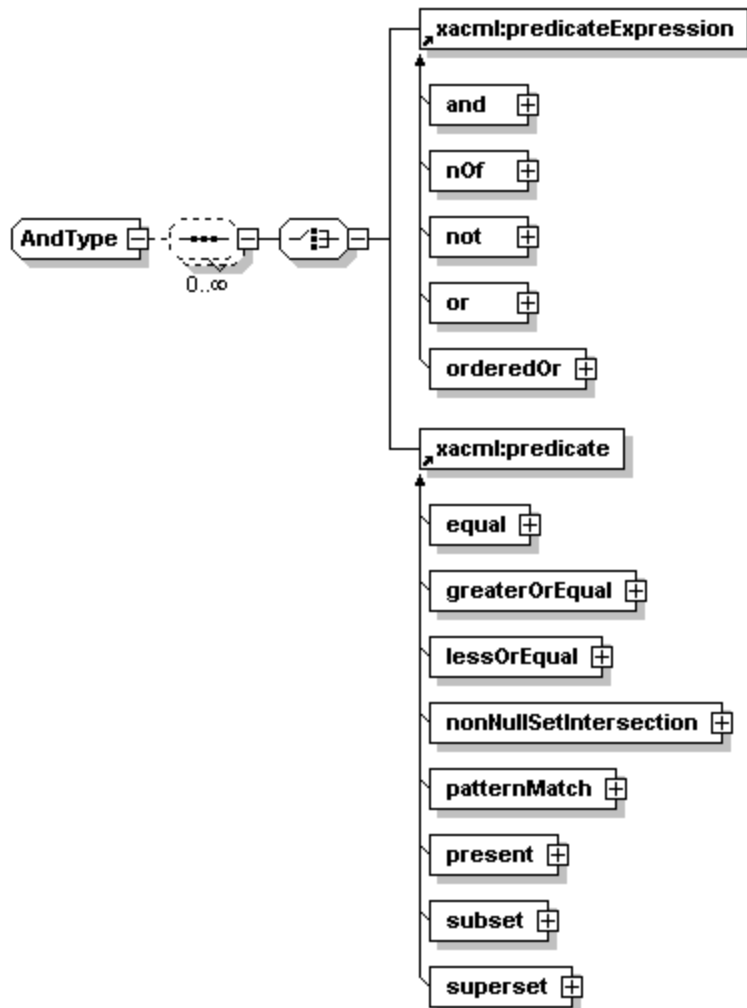
namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

children **saml:Actions**

used by element [TargetType/actions](#)

source `<xs:complexType name="ActionsType">
<xs:sequence>
<xs:element ref="saml:Actions"/>
</xs:sequence>
</xs:complexType>`

complexType **AndType**
diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

children [xacml:predicateExpression](#) [xacml:predicate](#)

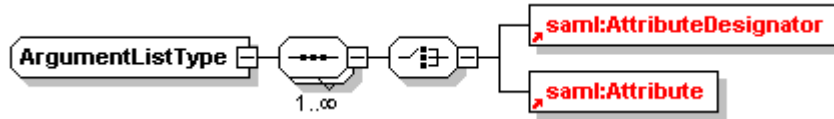
used by element [and](#)

```

source <xs:complexType name="AndType">
  <xs:sequence minOccurs="0" maxOccurs="unbounded">
    <xs:choice>
      <xs:element ref="xacml:predicateExpression"/>
      <xs:element ref="xacml:predicate"/>
    </xs:choice>
  </xs:sequence>
</xs:complexType>
  
```

complexType **ArgumentListType**

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

type extension of [xacml:AttributeFunctionAbstractType](#)

children **saml:AttributeDesignator** **saml:Attribute**

used by elements [divide](#) [minus](#) [plus](#) [times](#)

```
<xs:complexType name="ArgumentListType">
  <xs:complexContent>
    <xs:extension base="xacml:AttributeFunctionAbstractType">
      <xs:sequence maxOccurs="unbounded">
        <xs:choice>
          <xs:element ref="saml:AttributeDesignator"/>
          <xs:element ref="saml:Attribute"/>
        </xs:choice>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

complexType **AttributeFunctionAbstractType**

diagram



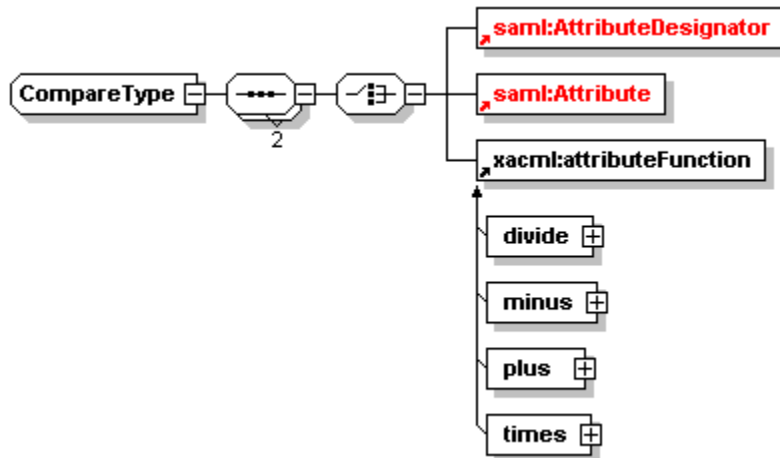
namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

used by element [attributeFunction](#)
complexType [ArgumentListType](#)

```
<xs:complexType name="AttributeFunctionAbstractType"/>
```

complexType **CompareType**

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

type extension of [xacml:PredicateAbstractType](#)

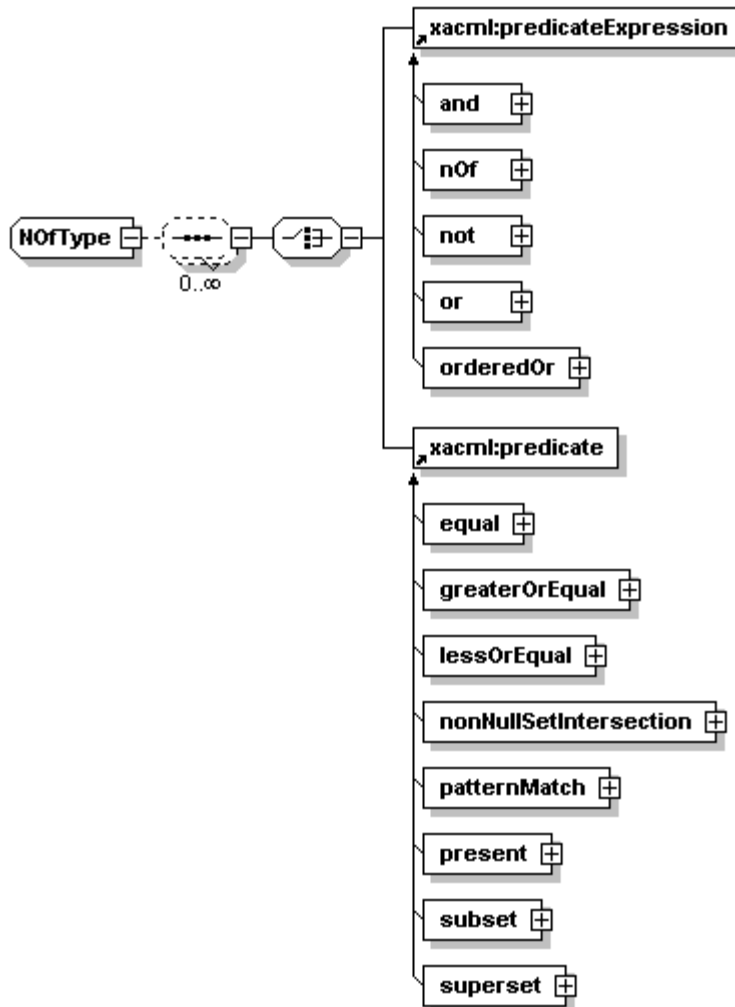
children **saml:AttributeDesignator** **saml:Attribute** [xacml:attributeFunction](#)
 used by elements [equal](#) [greaterOrEqual](#) [lessOrEqual](#) [nonNullSetIntersection](#) [patternMatch](#) [subset](#) [superset](#)

```

source <xs:complexType name="CompareType">
  <xs:complexContent>
    <xs:extension base="xacml:PredicateAbstractType">
      <xs:sequence minOccurs="2" maxOccurs="2">
        <xs:choice>
          <xs:element ref="saml:AttributeDesignator"/>
          <xs:element ref="saml:Attribute"/>
          <xs:element ref="xacml:attributeFunction"/>
        </xs:choice>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
  <!-- XML operands in "set" operations MUST be of xsi:type xs:list -->
  <!-- XML operands in "inequality" operations MUST contain an xsi:type attribute for which
  XACML defines a comparison algorithm -->
</xs:complexType>
  
```

complexType NOType

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

children [xacml:predicateExpression](#) [xacml:predicate](#)

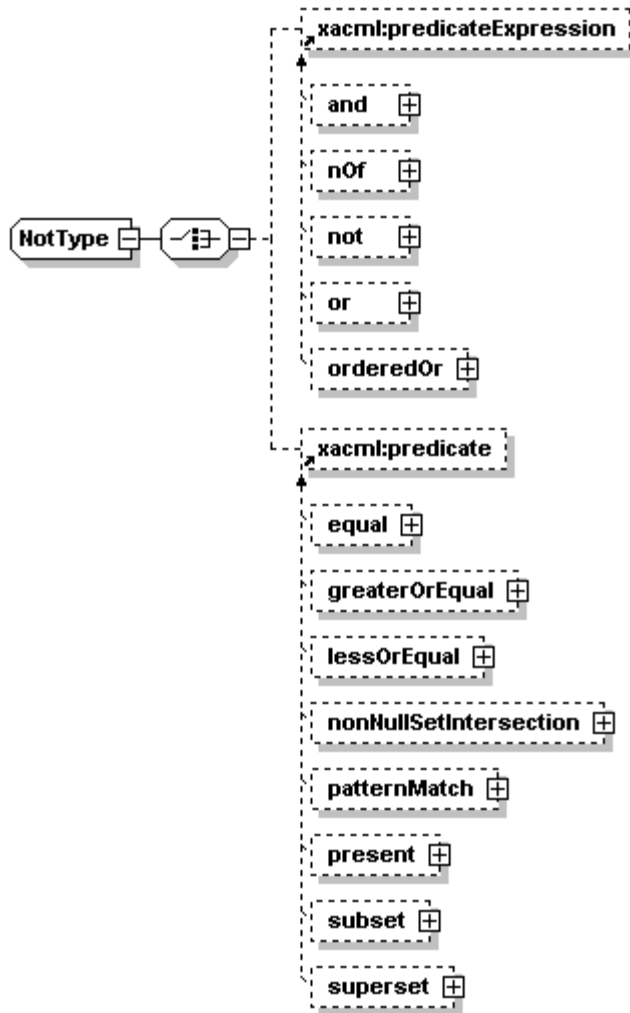
used by element [nOf](#)

attributes	Name	Type	Use	Default	Fixed	Annotation
	quorum	xs:positiveInteger				

```
<xs:complexType name="NOftype">  
<xs:sequence minOccurs="0" maxOccurs="unbounded">  
  <xs:choice>  
    <xs:element ref="xacml:predicateExpression"/>  
    <xs:element ref="xacml:predicate"/>  
  </xs:choice>  
</xs:sequence>  
<xs:attribute name="quorum" type="xs:positiveInteger"/>  
</xs:complexType>
```

complexType NotType

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

children [xacml:predicateExpression](#) [xacml:predicate](#)

used by element [not](#)

```
<xs:complexType name="NotType">
```

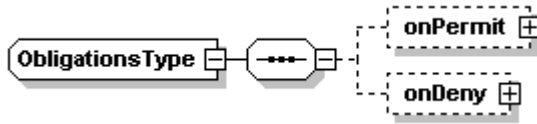
```

<xs:choice>
  <xs:element ref="xacml:predicateExpression" minOccurs="0"/>
  <xs:element ref="xacml:predicate" minOccurs="0"/>
</xs:choice>
</xs:complexType>

```

complexType ObligationsType

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

children [onPermit](#) [onDeny](#)

used by elements [PolicySetStatementType/obligations](#) [PolicyStatementType/obligations](#)

source

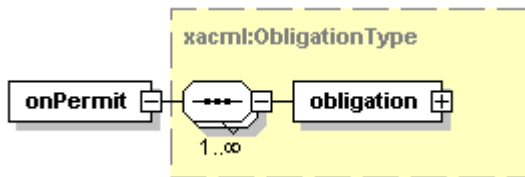
```

<xs:complexType name="ObligationsType">
  <xs:sequence>
    <xs:element name="onPermit" type="xacml:ObligationType" minOccurs="0"/>
    <xs:element name="onDeny" type="xacml:ObligationType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>

```

element ObligationsType/onPermit

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

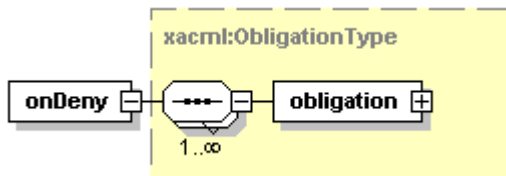
type [xacml:ObligationType](#)

children [obligation](#)

source `<xs:element name="onPermit" type="xacml:ObligationType" minOccurs="0"/>`

element ObligationsType/onDeny

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

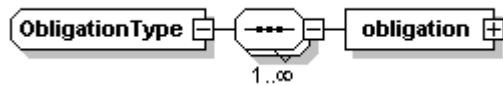
type [xacml:ObligationType](#)

children [obligation](#)

source `<xs:element name="onDeny" type="xacml:ObligationType" minOccurs="0"/>`

complexType **ObligationType**

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

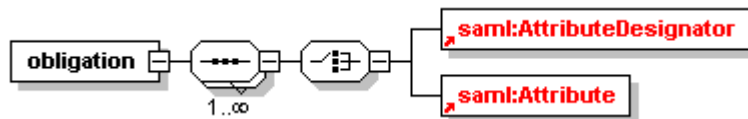
children [obligation](#)

used by elements [ObligationsType/onDeny](#) [ObligationsType/onPermit](#)

```
<xs:complexType name="ObligationType">
  <xs:sequence maxOccurs="unbounded">
    <xs:element name="obligation">
      <xs:complexType>
        <xs:sequence maxOccurs="unbounded">
          <xs:choice>
            <xs:element ref="saml:AttributeDesignator"/>
            <xs:element ref="saml:Attribute"/>
          </xs:choice>
        </xs:sequence>
        <xs:attribute name="ObligationId" type="xs:anyURI" use="required"/>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
</xs:complexType>
```

element **ObligationType/obligation**

diagram



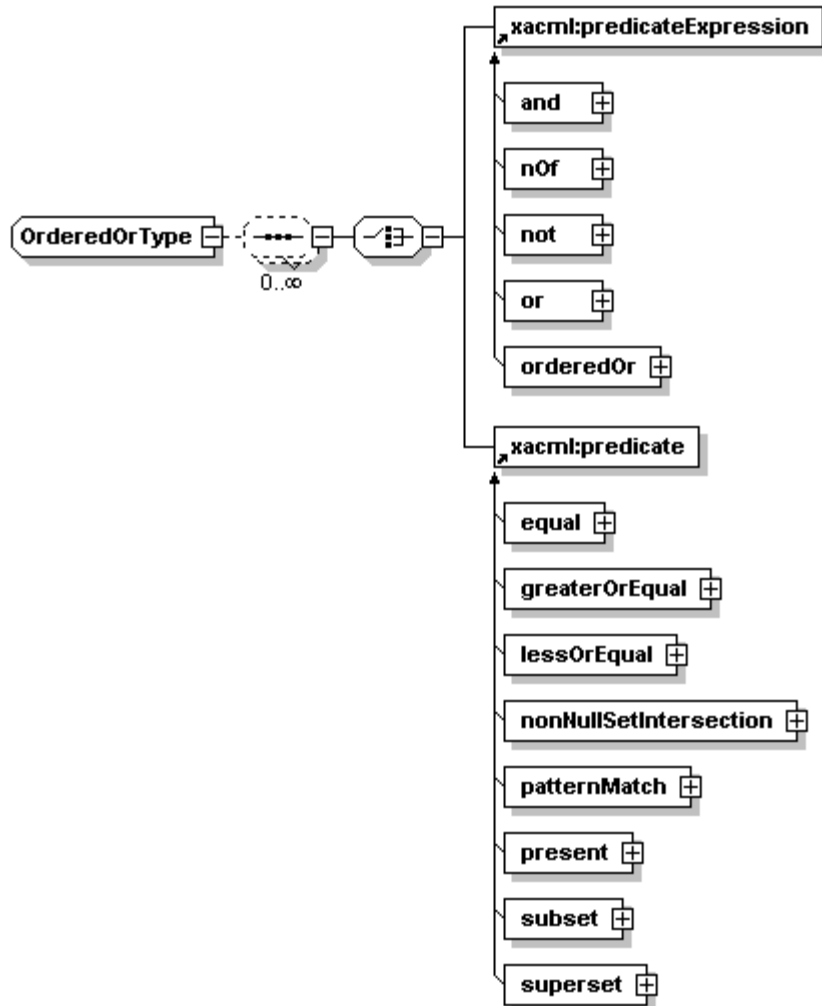
namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

children **saml:AttributeDesignator** **saml:Attribute**

attributes	Name	Type	Use	Default	Fixed	Annotation
	ObligationId	xs:anyURI	required			

```
<xs:element name="obligation">
  <xs:complexType>
    <xs:sequence maxOccurs="unbounded">
      <xs:choice>
        <xs:element ref="saml:AttributeDesignator"/>
        <xs:element ref="saml:Attribute"/>
      </xs:choice>
    </xs:sequence>
    <xs:attribute name="ObligationId" type="xs:anyURI" use="required"/>
  </xs:complexType>
</xs:element>
```

complexType **OrderedOrType**
diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

children [xacml:predicateExpression](#) [xacml:predicate](#)

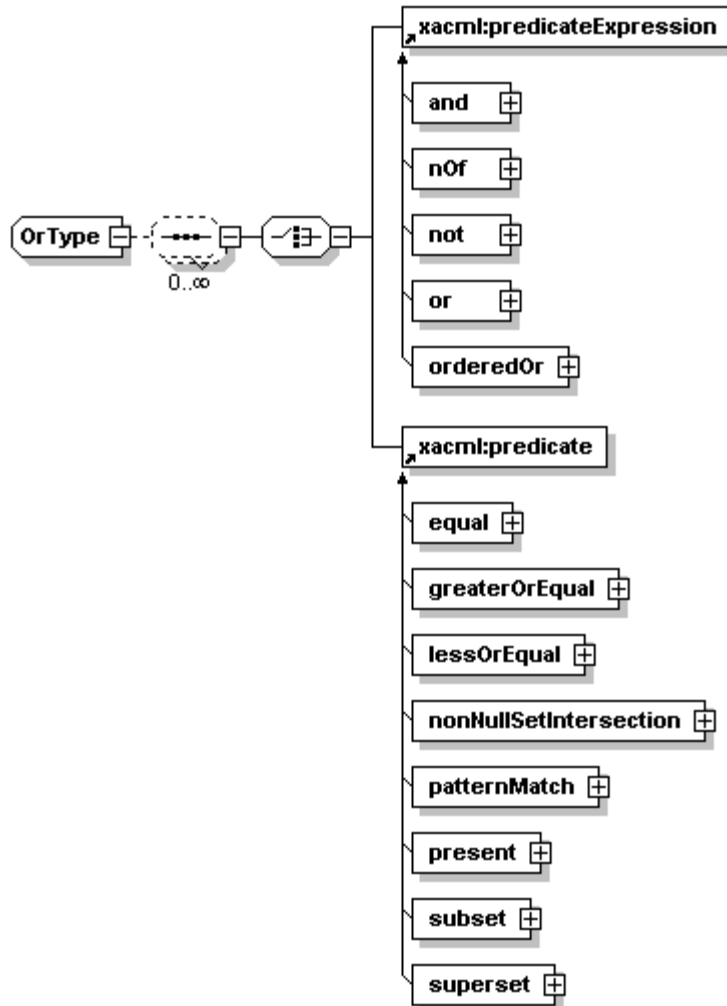
used by element [orderedOr](#)

```

source <xs:complexType name="OrderedOrType">
  <xs:sequence minOccurs="0" maxOccurs="unbounded">
    <xs:choice>
      <xs:element ref="xacml:predicateExpression"/>
      <xs:element ref="xacml:predicate"/>
    </xs:choice>
  </xs:sequence>
</xs:complexType>

```

complexType **OrType**
diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

children [xacml:predicateExpression](#) [xacml:predicate](#)

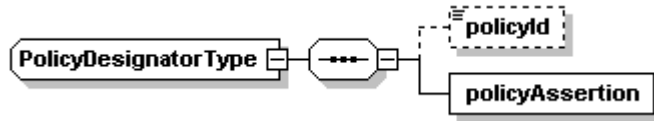
used by element [or](#)

```

source <xs:complexType name="OrType">
  <xs:sequence minOccurs="0" maxOccurs="unbounded">
    <xs:choice>
      <xs:element ref="xacml:predicateExpression"/>
      <xs:element ref="xacml:predicate"/>
    </xs:choice>
  </xs:sequence>
</xs:complexType>
  
```


complexType PolicyDesignatorType

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

children [policyId](#) [policyAssertion](#)

used by element [PolicySetType/policyDesignator](#)

```
<xs:complexType name="PolicyDesignatorType">
  <xs:sequence>
    <xs:element name="policyId" type="xs:anyURI" minOccurs="0"/>
    <xs:element name="policyAssertion" type="saml:AssertionType"/>
  </xs:sequence>
</xs:complexType>
```

element PolicyDesignatorType/policyId

diagram



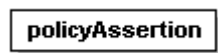
namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

type **xs:anyURI**

```
<xs:element name="policyId" type="xs:anyURI" minOccurs="0"/>
```

element PolicyDesignatorType/policyAssertion

diagram



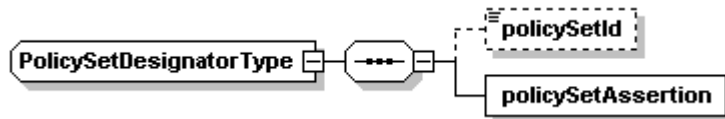
namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

type **saml:AssertionType**

```
<xs:element name="policyAssertion" type="saml:AssertionType"/>
```

complexType PolicySetDesignatorType

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

children [policySetId](#) [policySetAssertion](#)

used by element [PolicySetType/policySetDesignator](#)

```
<xs:complexType name="PolicySetDesignatorType">
  <xs:sequence>
    <xs:element name="policySetId" type="xs:anyURI" minOccurs="0"/>
    <xs:element name="policySetAssertion" type="saml:AssertionType"/>
  </xs:sequence>
</xs:complexType>
```

element PolicySetDesignatorType/policySetId

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

type **xs:anyURI**

source `<xs:element name="policySetId" type="xs:anyURI" minOccurs="0"/>`

element PolicySetDesignatorType/policySetAssertion

diagram



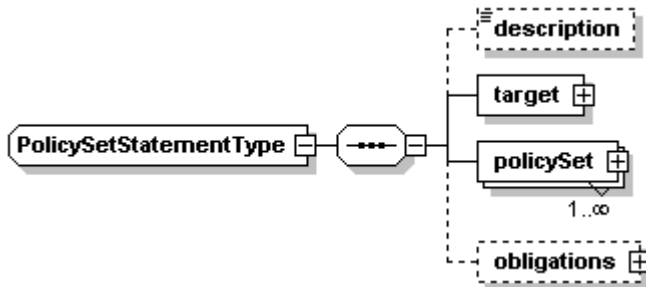
namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

type **saml:AssertionType**

source `<xs:element name="policySetAssertion" type="saml:AssertionType"/>`

complexType PolicySetStatementType

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

type extension of **saml:StatementAbstractType**

children [description](#) [target](#) [policySet](#) [obligations](#)

used by element [policySetStatement](#)

attributes	Name	Type	Use	Default	Fixed	Annotation
	policySetId	xs:anyURI	required			
	policySetName	xs:string	optional			
	policyCombiningAlgId	xs:anyURI	required			

source

```
<xs:complexType name="PolicySetStatementType">
  <xs:complexContent>
    <xs:extension base="saml:StatementAbstractType">
      <xs:sequence>
        <xs:element name="description" type="xs:string" minOccurs="0"/>
        <xs:element name="target" type="xacml:TargetType"/>
        <xs:element name="policySet" type="xacml:PolicySetType" maxOccurs="unbounded"/>
        <xs:element name="obligations" type="xacml:ObligationsType" minOccurs="0"/>
      </xs:sequence>
      <xs:attribute name="policySetId" type="xs:anyURI" use="required"/>
      <xs:attribute name="policySetName" type="xs:string" use="optional"/>
      <xs:attribute name="policyCombiningAlgId" type="xs:anyURI" use="required"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

element **PolicySetStatementType/description**

diagram



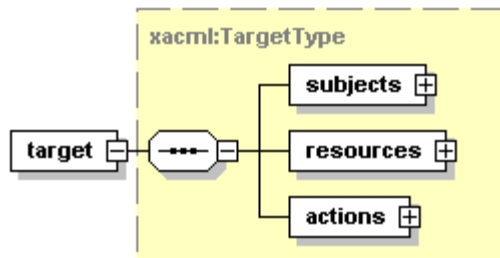
namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

type **xs:string**

source `<xs:element name="description" type="xs:string" minOccurs="0"/>`

element **PolicySetStatementType/target**

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

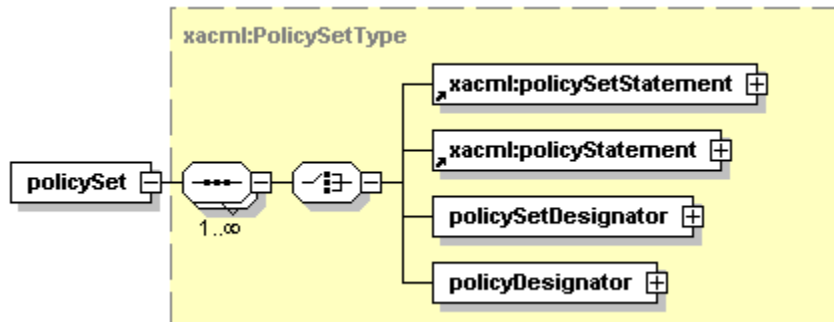
type [xacml:TargetType](#)

children [subjects](#) [resources](#) [actions](#)

source `<xs:element name="target" type="xacml:TargetType"/>`

element **PolicySetStatementType/policySet**

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

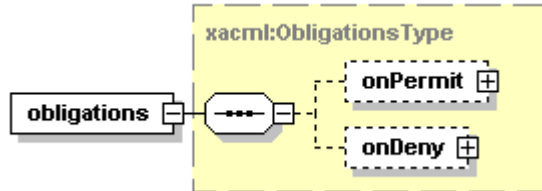
type [xacml:PolicySetType](#)

children [xacml:policySetStatement](#) [xacml:policyStatement](#) [policySetDesignator](#) [policyDesignator](#)

source `<xs:element name="policySet" type="xacml:PolicySetType" maxOccurs="unbounded"/>`

element PolicySetStatementType/obligations

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

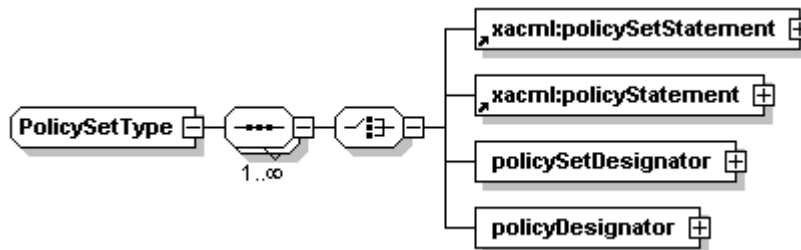
type [xacml:ObligationsType](#)

children [onPermit](#) [onDeny](#)

source `<xs:element name="obligations" type="xacml:ObligationsType" minOccurs="0"/>`

complexType PolicySetType

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

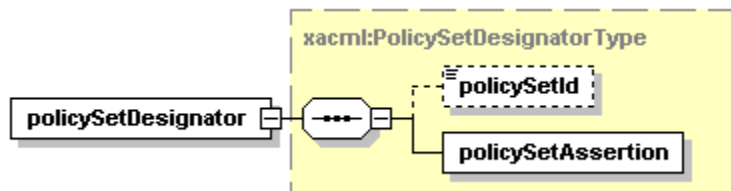
children [xacml:policySetStatement](#) [xacml:policyStatement](#) [policySetDesignator](#) [policyDesignator](#)

used by element [PolicySetStatementType/policySet](#)

```
<xs:complexType name="PolicySetType">
  <xs:sequence maxOccurs="unbounded">
    <xs:choice>
      <xs:element ref="xacml:policySetStatement"/>
      <xs:element ref="xacml:policyStatement"/>
      <xs:element name="policySetDesignator" type="xacml:PolicySetDesignatorType"/>
      <xs:element name="policyDesignator" type="xacml:PolicyDesignatorType"/>
    </xs:choice>
  </xs:sequence>
</xs:complexType>
```

element PolicySetType/policySetDesignator

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

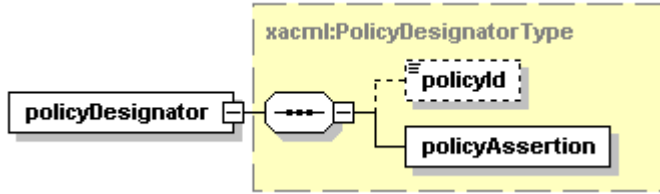
type [xacml:PolicySetDesignatorType](#)

children [policySetId](#) [policySetAssertion](#)

source `<xs:element name="policySetDesignator" type="xacml:PolicySetDesignatorType"/>`

element PolicySetType/policyDesignator

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

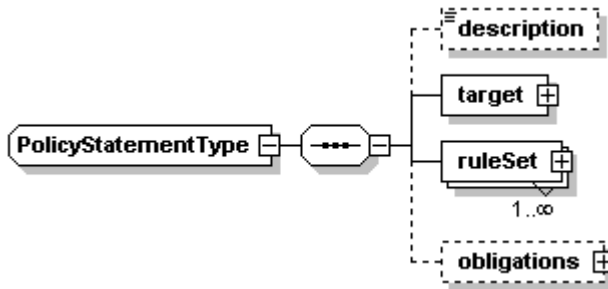
type [xacml:PolicyDesignatorType](#)

children [policyId](#) [policyAssertion](#)

source `<xs:element name="policyDesignator" type="xacml:PolicyDesignatorType"/>`

complexType PolicyStatementType

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

type extension of [saml:StatementAbstractType](#)

children [description](#) [target](#) [ruleSet](#) [obligations](#)

used by element [policyStatement](#)

attributes	Name	Type	Use	Default	Fixed	Annotation
	policyId	xs:anyURI	required			
	policyName	xs:string	optional			
	ruleCombiningAlgId	xs:anyURI	required			

source

```
<xs:complexType name="PolicyStatementType">
  <xs:complexContent>
    <xs:extension base="saml:StatementAbstractType">
      <xs:sequence>
        <xs:element name="description" type="xs:string" minOccurs="0"/>
        <xs:element name="target" type="xacml:TargetType"/>
        <xs:element name="ruleSet" type="xacml:RuleSetType" maxOccurs="unbounded"/>
        <xs:element name="obligations" type="xacml:ObligationsType" minOccurs="0"/>
      </xs:sequence>
      <xs:attribute name="policyId" type="xs:anyURI" use="required"/>
      <xs:attribute name="policyName" type="xs:string" use="optional"/>
      <xs:attribute name="ruleCombiningAlgId" type="xs:anyURI" use="required"/>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

element PolicyStatementType/description

diagram



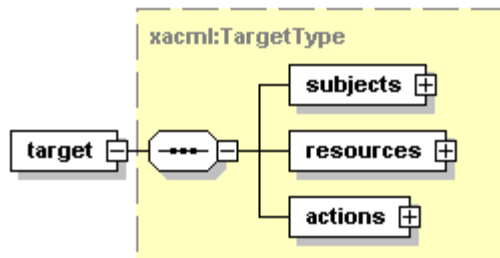
namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

type **xs:string**

source `<xs:element name="description" type="xs:string" minOccurs="0"/>`

element PolicyStatementType/target

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

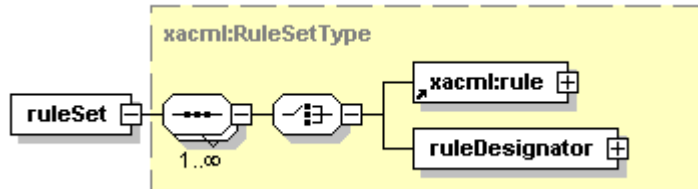
type [xacml:TargetType](#)

children [subjects](#) [resources](#) [actions](#)

source `<xs:element name="target" type="xacml:TargetType"/>`

element PolicyStatementType/ruleSet

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

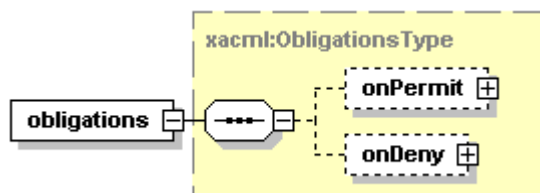
type [xacml:RuleSetType](#)

children [xacml:rule](#) [ruleDesignator](#)

source `<xs:element name="ruleSet" type="xacml:RuleSetType" maxOccurs="unbounded"/>`

element PolicyStatementType/obligations

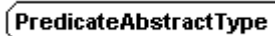
diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>
type [xacml:ObligationsType](#)
children [onPermit](#) [onDeny](#)
source `<xs:element name="obligations" type="xacml:ObligationsType" minOccurs="0"/>`

complexType **PredicateAbstractType**


diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>
used by element [predicate](#)
complexType [CompareType](#) [PresentType](#)
source `<xs:complexType name="PredicateAbstractType"/>`

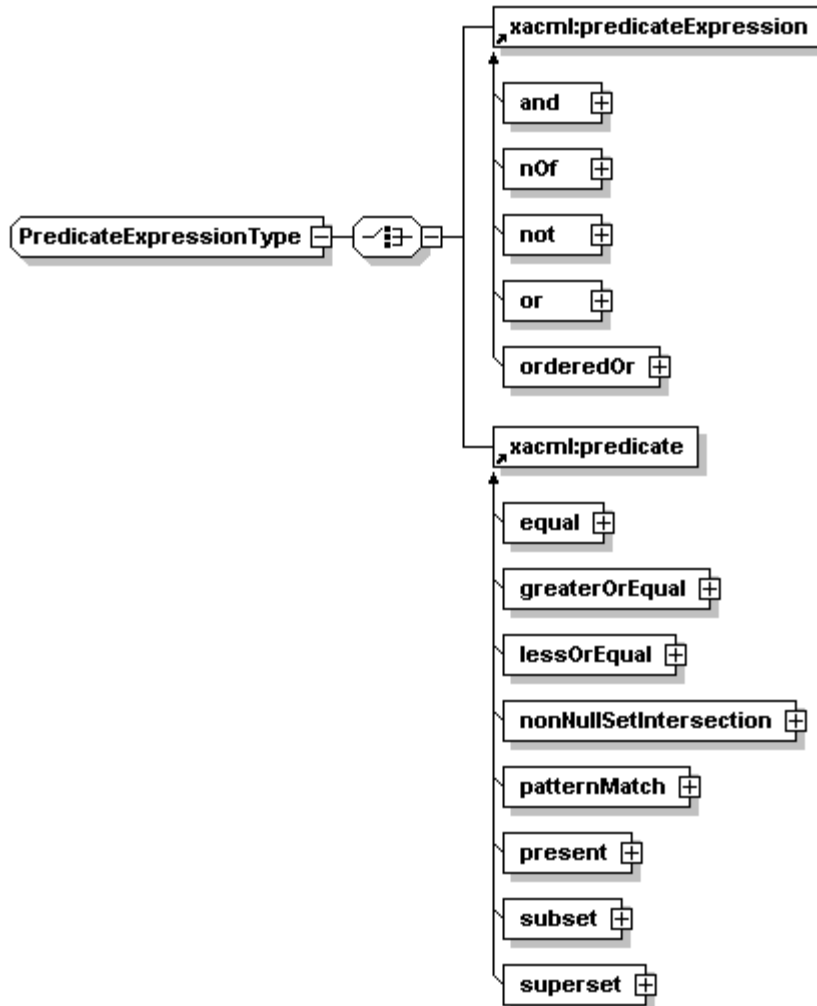
complexType **PredicateExpressionAbstractType**

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>
used by element [predicateExpression](#)
source `<xs:complexType name="PredicateExpressionAbstractType"/>`

complexType **PredicateExpressionType**
diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

children [xacml:predicateExpression](#) [xacml:predicate](#)

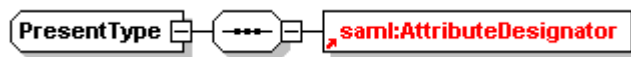
used by element [RuleType/condition](#)

```

source <xs:complexType name="PredicateExpressionType">
  <xs:choice>
    <xs:element ref="xacml:predicateExpression"/>
    <xs:element ref="xacml:predicate"/>
  </xs:choice>
</xs:complexType>
  
```

complexType **PresentType**

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

type extension of [xacml:PredicateAbstractType](#)

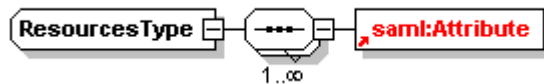
children **saml:AttributeDesignator**

used by element [present](#)

```
source <xs:complexType name="PresentType">
  <xs:complexContent>
    <xs:extension base="xacml:PredicateAbstractType">
      <xs:sequence>
        <xs:element ref="saml:AttributeDesignator"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

complexType ResourcesType

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

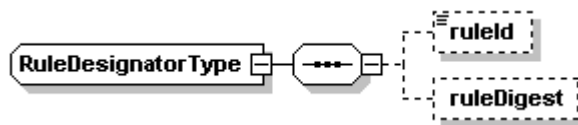
children **saml:Attribute**

used by element [TargetType/resources](#)

```
source <xs:complexType name="ResourcesType">
  <xs:sequence maxOccurs="unbounded">
    <xs:element ref="saml:Attribute"/>
  </xs:sequence>
</xs:complexType>
```

complexType RuleDesignatorType

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

children [ruleId](#) [ruleDigest](#)

used by element [RuleSetType/ruleDesignator](#)

```
source <xs:complexType name="RuleDesignatorType">
  <xs:sequence>
    <xs:element name="ruleId" type="xs:anyURI" minOccurs="0"/>
    <xs:element name="ruleDigest" minOccurs="0">
      <xs:complexType>
        <xs:attribute name="digestAlgId" type="xs:string" default="SHA-1"/>
        <xs:attribute name="base64Digest" type="xs:string"/>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
</xs:complexType>
```

element RuleDesignatorType/ruleId

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

type **xs:anyURI**

source `<xs:element name="ruleId" type="xs:anyURI" minOccurs="0"/>`

element **RuleDesignatorType/ruleDigest**

diagram



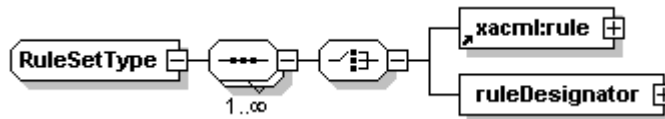
namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

attributes	Name	Type	Use	Default	Fixed	Annotation
	digestAlgId	xs:string		SHA-1		
	base64Digest	xs:string				

source `<xs:element name="ruleDigest" minOccurs="0">
<xs:complexType>
<xs:attribute name="digestAlgId" type="xs:string" default="SHA-1"/>
<xs:attribute name="base64Digest" type="xs:string"/>
</xs:complexType>
</xs:element>`

complexType **RuleSetType**

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

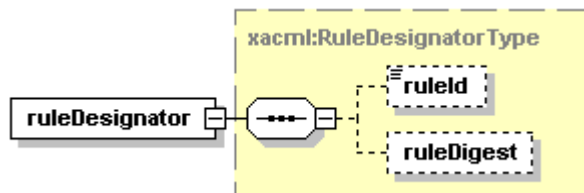
children [xacml:rule](#) [ruleDesignator](#)

used by element [PolicyStatementType/ruleSet](#)

source `<xs:complexType name="RuleSetType">
<xs:sequence maxOccurs="unbounded">
<xs:choice>
<xs:element ref="xacml:rule"/>
<xs:element name="ruleDesignator" type="xacml:RuleDesignatorType"/>
</xs:choice>
</xs:sequence>
</xs:complexType>`

element **RuleSetType/ruleDesignator**

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

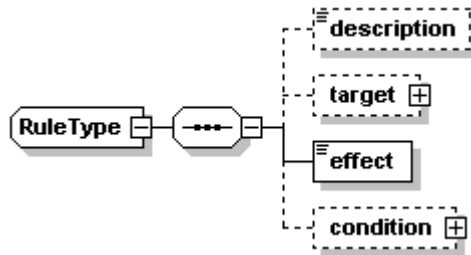
type [xacml:RuleDesignatorType](#)

children [ruleId](#) [ruleDigest](#)

source `<xs:element name="ruleDesignator" type="xacml:RuleDesignatorType"/>`

complexType RuleType

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

children [description](#) [target](#) [effect](#) [condition](#)

used by element [rule](#)

attributes	Name	Type	Use	Default	Fixed	Annotation
	ruleId	xs:anyURI	required			
	ruleName	xs:string	optional			

```
source <xs:complexType name="RuleType">
  <xs:sequence>
    <xs:element name="description" type="xs:string" minOccurs="0"/>
    <xs:element name="target" type="xacml:TargetType" minOccurs="0"/>
    <xs:element name="effect" type="xacml:EffectType"/>
    <xs:element name="condition" type="xacml:PredicateExpressionType" minOccurs="0"/>
  </xs:sequence>
  <xs:attribute name="ruleId" type="xs:anyURI" use="required"/>
  <xs:attribute name="ruleName" type="xs:string" use="optional"/>
</xs:complexType>
```

element RuleType/description

diagram



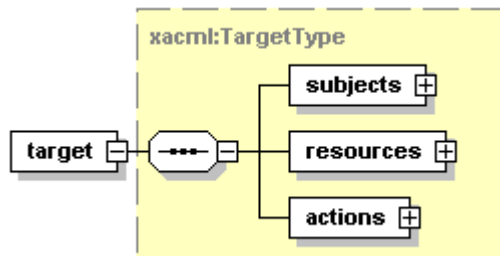
namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

type **xs:string**

```
source <xs:element name="description" type="xs:string" minOccurs="0"/>
```

element RuleType/target

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

type [xacml:TargetType](#)

children [subjects](#) [resources](#) [actions](#)

```
source <xs:element name="target" type="xacml:TargetType" minOccurs="0"/>
```

element RuleType/effect



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

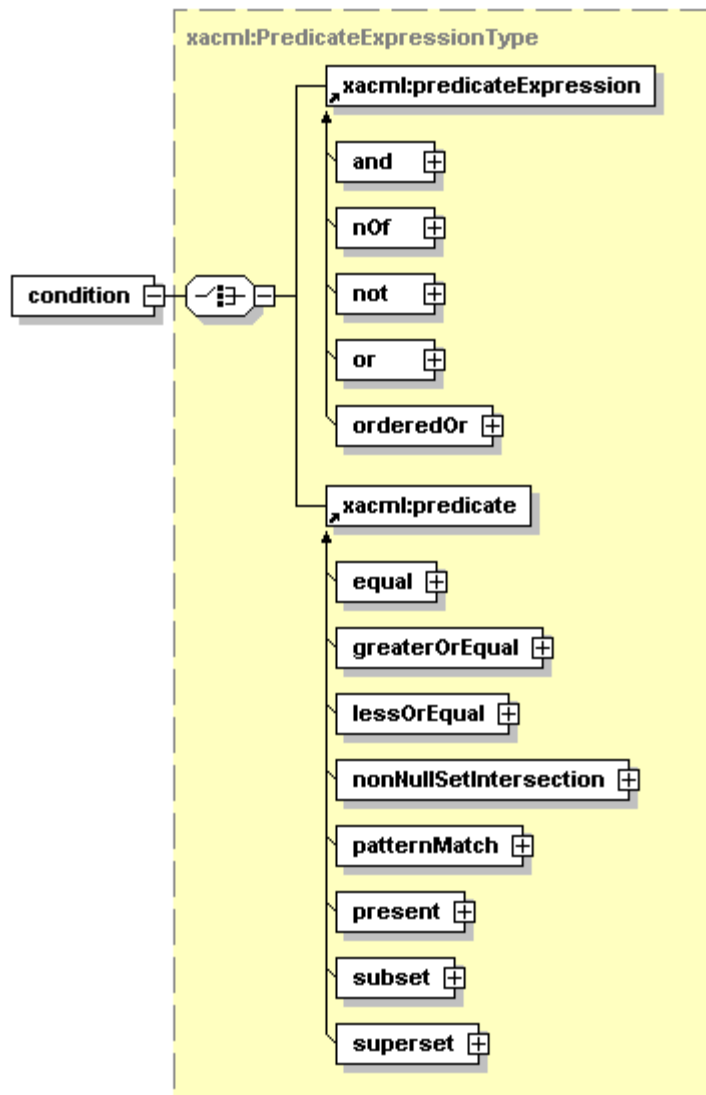
type [xacml:EffectType](#)

facets enumeration permit
enumeration deny

source `<xs:element name="effect" type="xacml:EffectType"/>`

element RuleType/condition

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

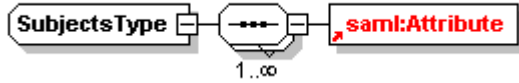
type [xacml:PredicateExpressionType](#)

children [xacml:predicateExpression](#) [xacml:predicate](#)

source `<xs:element name="condition" type="xacml:PredicateExpressionType" minOccurs="0"/>`

complexType SubjectsType

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

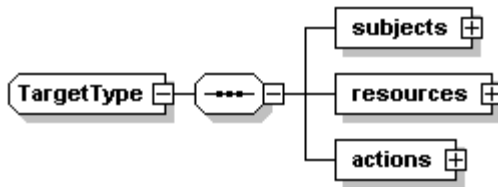
children **saml:Attribute**

used by element [TargetType/subjects](#)

```
<xs:complexType name="SubjectsType">
  <xs:sequence maxOccurs="unbounded">
    <xs:element ref="saml:Attribute"/>
  </xs:sequence>
</xs:complexType>
```

complexType TargetType

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

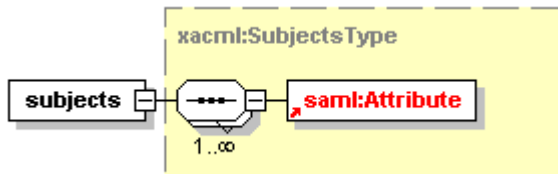
children [subjects](#) [resources](#) [actions](#)

used by elements [PolicySetStatementType/target](#) [PolicyStatementType/target](#) [RuleType/target](#)

```
<xs:complexType name="TargetType">
  <xs:sequence>
    <xs:element name="subjects" type="xacml:SubjectsType"/>
    <xs:element name="resources" type="xacml:ResourcesType"/>
    <xs:element name="actions" type="xacml:ActionsType"/>
  </xs:sequence>
</xs:complexType>
```

element TargetType/subjects

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

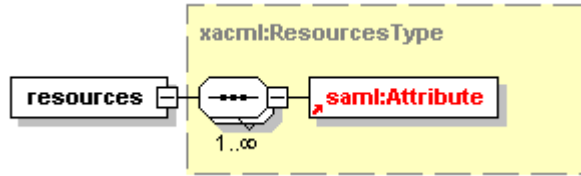
type [xacml:SubjectsType](#)

children **saml:Attribute**

```
<xs:element name="subjects" type="xacml:SubjectsType"/>
```

element TargetType/resources

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

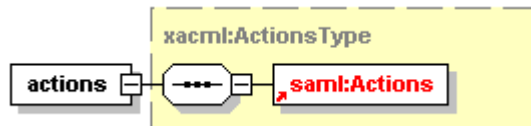
type [xacml:ResourcesType](#)

children **saml:Attribute**

source `<xs:element name="resources" type="xacml:ResourcesType"/>`

element TargetType/actions

diagram



namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

type [xacml:ActionsType](#)

children **saml:Actions**

source `<xs:element name="actions" type="xacml:ActionsType"/>`

simpleType EffectType

namespace <http://www.oasis-open.org/committees/xacml/docs/draft-xacml-schema-policy-11.xsd>

type restriction of **xs:string**

used by element [RuleType/effect](#)

facets
enumeration permit
enumeration deny

source

```
<xs:simpleType name="EffectType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="permit"/>
    <xs:enumeration value="deny"/>
  </xs:restriction>
</xs:simpleType>
```