

# Schema

Maps to a UML Class with the stereotype XSDschema.

All schema global attributes and elements are mapped to the UML Attributes of this class.

The name of this class should match the file name or must be assigned to the component representing the file. The "xmlns" xml tags maps to a permission link with the stereotype «xmlns» and name, representing a given prefix.

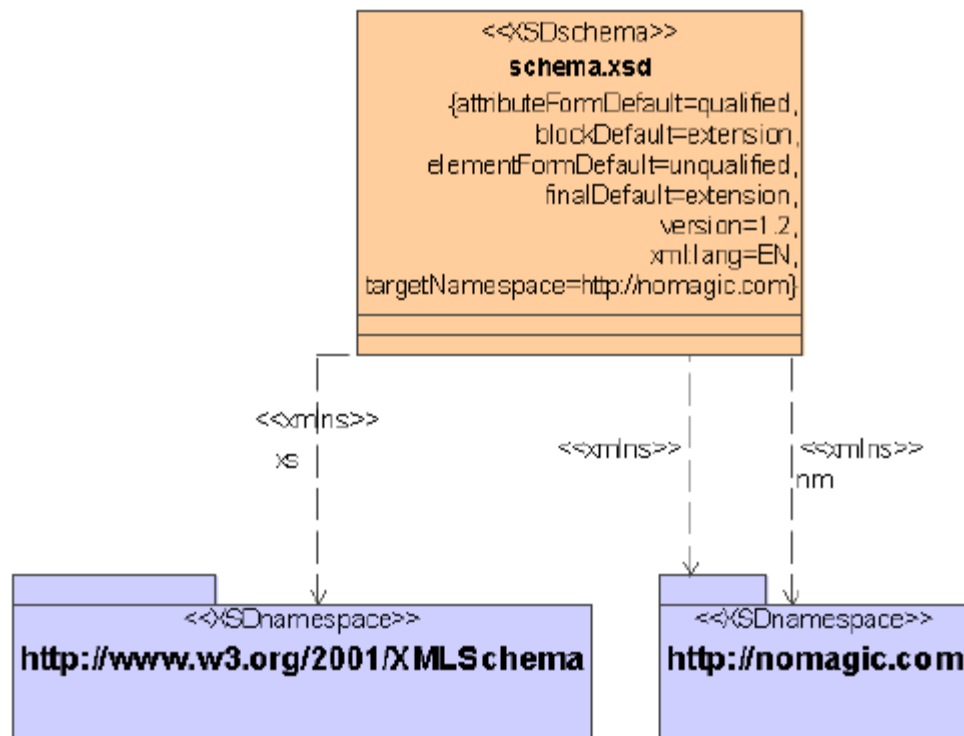
The permission client is the schema class and supplier package with its name equal to the "xmlns" value.

## schema XML representation summary

```
<schema
    attributeFormDefault = (qualified | unqualified) : unqualified
    blockDefault = (#all | List of (extension | restriction | substitution)) : ''
    elementFormDefault = (qualified | unqualified) : unqualified
    finalDefault = (#all | List of (extension | restriction)) : ''
    id = ID
    targetNamespace = anyURI
    version = token
    xml:lang = language
    {any attributes with non-schema namespace...}>
    Content: (((include | import | redefine | annotation)*, (((simpleType | complexType | group |
attributeGroup) | element |
attribute | notation), annotation*)*)
</schema>
```

## XML representation of the skeleton of a schema

```
<xs:schema
    xmlns:xs="http://www.w3.org/2001/XMLSchema"
    targetNamespace="http://www.example.com/example">
    ...
</xs:schema>
```



schema UML model example.

#### schema XML code sample

```

<xs:schema xmlns:nm = "http://nomagic.com"
  xmlns:xs = "http://www.w3.org/2001/XMLSchema"
  xmlns = "http://nomagic.com"
  attributeFormDefault = "qualified"
  blockDefault = "extension"

  elementFormDefault = "unqualified"
  finalDefault = "extension"

  targetNamespace = "http://nomagic.com"
  version = "1.2"

  xml:lang = "EN" />
  
```