

## easySDI - Defect #1153

### Catalog CSW filter can be wrong depending on configuration

10/01/2015 03:18 PM - Blatti Yves

|                          |         |                        |            |
|--------------------------|---------|------------------------|------------|
| <b>Status:</b>           | New     | <b>Start date:</b>     | 10/01/2015 |
| <b>Priority:</b>         | Normal  | <b>Due date:</b>       |            |
| <b>Assignee:</b>         |         | <b>% Done:</b>         | 0%         |
| <b>Category:</b>         | CATALOG | <b>Estimated time:</b> | 0.00 hour  |
| <b>Target version:</b>   |         |                        |            |
| <b>Affected version:</b> | 4.0.0   |                        |            |

#### Description

Catalog CSW filter can be wrong (xsd validation fails) depending on configuration:

#### Example 1:

If the configured catalog has one (and only one) resource type specified, the output filter will contain:

```
[...]  
<ogc:PropertyIsEqualTo>  
  <ogc:PropertyName>harvested</ogc:PropertyName>  
  <ogc:Literal>>false</ogc:Literal>  
</ogc:PropertyIsEqualTo>  
<ogc:Or>  
  <ogc:PropertyIsEqualTo>  
    <ogc:PropertyName>resourcetype</ogc:PropertyName>  
    <ogc:Literal>geoproduit</ogc:Literal>  
  </ogc:PropertyIsEqualTo>  
</ogc:Or>  
<ogc:PropertyIsEqualTo>  
  <ogc:PropertyName>metadatastate</ogc:PropertyName>  
  <ogc:Literal>published</ogc:Literal>  
</ogc:PropertyIsEqualTo>  
[...]
```

You can see an ogc:Or element containing only one element.

#### Example 2:

The filter contains a 'top level' ogc:And for any catalog level filter. If it is empty, the ogc:And contains only one element ogc:And.

#### Reason :

<http://schemas.opengis.net/filter/1.1.0/filter.xsd>

```
[...]  
<xsd:element name="logicOps" type="ogc:LogicOpsType" abstract="true"/>  
<xsd:element name="And"  
  type="ogc:BinaryLogicOpType"  
  substitutionGroup="ogc:logicOps"/>  
<xsd:element name="Or"  
  type="ogc:BinaryLogicOpType"  
  substitutionGroup="ogc:logicOps"/>  
[...]  
<xsd:complexType name="BinaryLogicOpType">  
  <xsd:complexContent>  
    <xsd:extension base="ogc:LogicOpsType">  
      <xsd:choice minOccurs="2" maxOccurs="unbounded">  
        <xsd:element ref="ogc:comparisonOps"/>  
      </xsd:choice>  
    </xsd:extension>  
  </xsd:complexContent>  
</xsd:complexType>
```

```
<xsd:element ref="ogc:spatialOps"/>
<xsd:element ref="ogc:logicOps"/>
</xsd:choice>
</xsd:extension>
</xsd:complexContent>
</xsd:complexType>
[...]
```

ogc:And and ogc:or are BinaryLogicOpType and have to contain at least 2 elements of type : ogc:comparisonOps, ogc:spatialOps or ogc:logicOps

### **Solution :**

Any BinaryLogicOp element (or/and) should be dropped if it only contains one element, and its content should be placed in the direct parent.