# DocSimilar constraint

## Summary

…

## Element

<docSimilar>

## Example

<docSimilar foxpath="..\executionSummary-reference.xml"   
 countTargetResources="1" countTargetResourcesMsg="Reference document missing">  
 <skipItem kind="element" localName="articleNumber"/>  
 <skipItem kind="element" localName="timestamp"/>  
 <skipItem kind="attribute" localName="fileSize" parentLocalName="articleBook"/>  
</docSimilar>

## Summary

Compares the target resource as a document with other resources. Documents are judged similar if the deep-equals function applied to *modified copies* of the documents to be compared yields true. Modification can consist in removing selected nodes, editing their text content (replacing substrings) and rounding their numeric value.

## Link Definition

The current target resource of the containing file shape – or a subtree of it - is compared with other resources (or subtrees of other resources) identified as link targets of a Link Definition. The Link Definition may be provided locally, as part of the constraint element, or referenced by name.

The node tree to be compared is a subtree of the current target resource if the constraint is a child of a focusNode selection, or if the Link Definition contains a link context expression selecting nodes from the link context document. In the following examples, the node tree compared with other node trees are the subtrees rooted in <airport> elements:

<focusNode xpath="//airport">

<docSimilar linkName="… ">…</docSimilar>

</focusNode>

<docSimilar contextXP="//airport" linkName="… ">…</docSimilar>

### Link Name reference

The Link Definition may be referenced by name:

<docSimilar linkName="refDoc">…</docSimilar>

In this case there must be a global Link Defintion with a @name attribute matching the @linkName attribute on <docSimilar>.

### Local Link Definition

The Link Definition may be local, that is, a part of the <docSimilar> constraint. Note that the attributes available for local Link Defintions are independent of the kind of constraint. In fact, they are the same attributes available in global Link Definitions (<linkDef> , excepting the @name element which is not allowed in the constraint element. The available attributes are:

@foxpath

@hrefXP

@uriXP

@uriTemplate

(To be continued)

## Evaluation context

The Link Definition is resolved in the context of the current target resource of the containing resource shape.

## Expression variable bindings

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## Check nodes

Table 1: Check nodes supported by DocSimilar constraints.

|  |  |  |  |
| --- | --- | --- | --- |
| Check node path | Semantics | Example | Notes |
| docSimilar |  |  |  |
| @countTargetResources |  |  |  |
| @minCountTargetResources |  |  |  |
| @maxCountTargetResources |  |  |  |
| … |  |  |  |