

Smooks Resource

A "Smooks Resource" is anything that can be used by Smooks in the process of analyzing or transforming a data stream. They could be pieces of Java logic ([DOMElementVisitor](#)), some text or script resource, or perhaps simply a configuration parameter.

Resource Configuration Properties

- **selector**: Selector string. Used by Smooks to "lookup" a resource configuration. This is typically the message fragment name, but as mentioned above, not all resources are transformation/analysis resources targeted at a message fragment - this is why we didn't call this attribute "target-fragment".
- **selector-namespace**: The XML namespace of the selector target for this resource. This is used to target ContentDeliveryUnits at XML elements from a specific XML namespace e.g. "http://www.w3.org/2002/xforms". If not defined, the resource is targeted at all namespaces.
- **target-profile**: A list of 1 or more [profile targeting expressions](#). (supports wildcards "**").

Example selectors:

1. The target fragment name (e.g. for HTML - table, tr, pre etc). This type of selector can be contextual in a similar way to contextual selectors in CSS e.g. "td ol li" will target the resource at all "li" elements nested inside an "ol" element, which is in turn nested inside a "td" element. See sample configurations above. Also supports wildcard based fragment selection ("**").
2. "\$document" is a special selector that targets a resource at the "document" fragment i.e. the whole document, or document root node fragment.
3. Targeting a specific [SmooksXMLReader](#) at a specific profile. See the [csv-to-xml](#) and [edi-to-xml](#) tutorials.

XML Based Configuration

Smooks can be manually configured (through code), but the easiest way of working is through XML.

Basic Sample:

Note that it is not using any profiling. The resource-config element maps directly to an instance of this class.

```
<?xml version='1.0'?>
  <smooks-resource-list xmlns="http://www.milyn.org/xsd/smooks-1.0.xsd">
    <resource-config selector="order order-header">
      <resource
type="xsl">/com/acme/transform/OrderHeaderTransformer.xsl</resource>
    </resource-config>
    <resource-config selector="order-items order-item">
      <resource>com.acme.transform.MyJavaOrderItemTransformer</resource>
    </resource-config>
  </smooks-resource-list>
```

More Complex Sample:

This sample uses profiling. So resource 1 is targeted at both "message-exchange-1" and "message-exchange-2", whereas resource 2 is only targeted at "message-exchange-1" and resource 3 at "message-exchange-2" (see [Smooks.createExecutionContext\(String\)](#)).

```
<?xml version='1.0'?>
  <smooks-resource-list xmlns="http://www.milyn.org/xsd/smooks-1.0.xsd">
    <profiles>
      <profile base-profile="message-exchange-1"
sub-profiles="message-producer-A, message-consumer-B" />
      <profile base-profile="message-exchange-2"
sub-profiles="message-producer-A, message-consumer-C" />
    </profiles>
    (1) <resource-config selector="order order-header"
target-profile="message-producer-A">
      <resource>com.acme.transform.AddIdentityInfo</resource>
    </resource-config>
    (2) <resource-config selector="order-items order-item"
target-profile="message-consumer-B">
      <resource>com.acme.transform.MyJavaOrderItemTransformer</resource>
      <param name="execution-param-X">param-value-forB</param>
    </resource-config>
    (3) <resource-config selector="order-items order-item"
target-profile="message-consumer-C">
      <resource>com.acme.transform.MyJavaOrderItemTransformer</resource>
      <param name="execution-param-X">param-value-forC</param>
    </resource-config>
  </smooks-resource-list>
```

For more examples, check out the [tutorials](#).

Java Based Configuration

TODO!!