

Resource Data Module

This module references external resource data that may need to be **modified** or used as contextual reference during translation.

Module Specification

Module Namespace

The namespace for the Resource Data module is: urn:oasis:names:tc:xliff:resourceData:2.0

Module Elements

The elements defined in the Resource Data module are: <resourceData>, <source>, <target>, and <reference>.

Tree Structure

Legend:

1 = one

+ = one or more

? = zero or one

* = zero, one or more

```
<resourceData> *  
|  
+---<source> 1  
|  
+---<target> ?  
|  
+---<reference> *
```

resourceData

Specifies the references to external resource data that may need to be **modified** or used as contextual reference during translation.

Contains:

- One <source> element followed by
- Zero or one <target> element
- Zero or one <reference> element

Parents:

<file>

Attributes:

- id, optional
- mime-type, required
- **context, optional**
- attributes from any namespace, optional

Processing Requirements

- If a user agent does not understand how to process the mime-type, or the file it references, the Resource Data module can be ignored, but still must be preserved.
- The value of the optional id attribute must be unique among all <resourceData> children of the enclosing <file> element.
- The required mime-type attribute should only be modified or removed if the referenced files are modified or removed.
- For each instance of <resourceData> containing only <source>:
 - User agents may leave <resourceData> unchanged, e.g. they are not required to create <target> or <reference>.
 - User agents may create <target> or <reference> as a siblings of <source>

source

References the actual resource data that may need to be **modified** or used as contextual reference during translation.

Contains:

- This element is always empty

Parents:

<resourceData>

Attributes:

- href, required
- xml:lang, optional
- attributes from any namespace, optional

Processing Requirements

- When the optional xml:lang attribute is present, its value must be equal to the value of the srcLang attribute of the enclosing <xliff> element.
- User agents may create <source> if not already present
- When the context attribute of <resourceData> is set to yes:
 - User agents should not modify <source>
 - User agents may remove <source>
- When the context attribute of <resourceData> is set to no:
 - User agents must not modify <source>
 - User agents must not remove <source>

target

References the localized counterpart of the sibling <source> element

Contains:

- This element is always empty

Parents:

<resourceData>

Attributes:

- href, required
- xml:lang, optional
- attributes from any namespace, optional

Processing Requirements

- When the optional xml:lang attribute is present, its value must be equal to the value of the tgtLang attribute of the enclosing <xliff> element.
- User agents may create <target> if not already present
- When the context attribute of <resourceData> is set to yes:
 - User agents should not modify <target>
 - User agents may remove <target>
- When the context attribute of <resourceData> is set to no:
 - User agents may leave <target> unchanged
 - User agents may modify <target>
 - User agents may delete <target> and start over as if working without an existing target. However <target> cannot be deleted without being replaced.

reference

References contextual data relating to the sibling <source> and <target> elements, such as a German screenshot for a Luxembourgish translator

Contains:

- This element is always empty

Parents:

<resourceData>

Attributes:

- href, required
- xml:lang, optional
- attributes from any namespace, optional

Processing Requirements

- When the optional xml:lang attribute is present, its value does not need to be equal to the value of the srcLang or tgtLang attribute of the enclosing <xliff> element.
- User agents may create <reference> if not already present
- User agents should not modify <reference>
- User agents may remove <reference>

Module Attributes

The attributes defined in the Resource Data module are: id, mime-type, context, href, and ResourceDataRef

id

Identifier - A character string used to identify a <resourceData> element.

Value description: NMTOKEN.

Default value: undefined

The value must be unique within the enclosing <resourceData> element.

Used in: <resourceData>.

mime-type

Mime Type - Indicates the type of a resource object. This generally corresponds to the content-type of [RFC 2045](#), the MIME specification; e.g. mime-type="text/xml" indicates the resource data is a text file of XML format.

Value description: A mime-type. An existing mime-type may be used from a [list of standard values](#) or a new one may be registered according to [RFC 2048](#).

Default value: undefined.

Used in: <resourceData>

context

Indicates whether an external resource is to be used for context only and not modified

Value description: Yes or No

Default value: Yes

Used in: <resourceData>

href

Hypertext Reference - IRI referencing an external resource

Value description: Text.

Default value: Undefined.

Used in: <source>, <target>, and <reference>

resourceDataRef

Resource Data Reference – Holds a reference to an associated <resourceData> element

Value description: A value of the XSD type anyURI.

Default value: Undefined.

Used in: <xf:unit>

Example:

In this example, referenced XML contains resource data for a user interface control. The control is the container for the text "Load Registry Config" and needs to be resized to accommodate the increased length of the string due to translation. The res:ResourceDataRef attribute in the <unit> element refers to the appropriate <res:resourceData> element, which references the data to be modified. The name attribute of the <unit> element serves as the key for a user agent to associate <source> and <target> text with resource data contained in the referenced XML.

```
<file id="1">
  <res:resourceData id="r1" mime-type="text/xml" context="no">
    <res:source href="resources\en\registryconfig.resources.xml" />
    <res:target href="resources\de\registryconfig.resources.xml" />
  </res:resourceData>
  <unit id="1" name="130;WIN_DLG_CTRL_" res:resourceDataRef="#r1">
    <segment id="1" state="translated">
      <source>Load Registry Config</source>
    </segment>
  </unit>
</file>
```

```
    <target>Registrierungskonfiguration laden</target>
  </segment>
</unit>
</file>
```

In this example, referenced images are used for context when translating. The `res:ResourceDataRef` attribute in the `<unit>` element refers to the appropriate `<res:resourceData>` element, which references the image to be displayed to the user.

```
<file id="1">
  <res:resourceData id="r1" mime-type="image/jpeg" context="yes">
    <res:source href="resources\en\registryconfig.resources.jpg" />
    <res:target href="resources\de\registryconfig.resources.jpg" />
  </res:resourceData>
  <unit id="1" name="133;WIN_DLG_CTRL_" res:ResourceDataRef="#r1">
    <segment id="1" state="translated">
      <source>Remove Registry Config</source>
      <target>Registrierungskonfiguration entfernen</target>
    </segment>
  </unit>
</file>
```