



Rocket Uniface Library 10.4

Struct Annotations for XML

When converting between XML and Structs using `xmlToStruct` or `structToXml`, you can set and retrieve annotations that provide information that guides the conversion (or reverse conversion).

Use the `$tags` function to set or get the value of an annotation for a specific Struct. For example:

- Get the value of the `xmlClass` annotation for Struct member `div`:

```
vClass = MyStruct->div->$tags->xmlClass
```

- Set the `xmlClass` of Struct member `div` to `element`:

```
MyStruct->div->$tags->xmlClass = "element"
```

Table: Annotation Tags for XML-Struct Conversions

Tag	Values	Comments
<code>xmlClass</code>	<ul style="list-style-type: none">• <code>document</code>• <code>element</code>• <code>attribute</code>• <code>process-instruction</code>• <code>comment</code>• <code>doctype</code>• <code>entity-declaration</code>• <code>element-declaration</code>• <code>attlist-declaration</code>• <code>attribute-declaration</code>• <code>notation-declaration</code>• <code>namespace-declaration</code>• <code>CDATA</code>	XML construct from which, or to which, the Struct member is converted.
<code>xmlNamespaceURI</code>	Value of the namespace string	URI of the namespace of this element or attribute
<code>xmlNamespaceAlias</code>	Value of the alias string	Alias (or prefix) used on this element to specify the namespace.

Tag	Values	Comments
xmlVersion	Value of the version attribute in the <code><?xml ... ?></code> declaration	On top level Struct only
xmlEncoding	Value of the encoding <code><?xml ... ?></code> attribute in the declaration	On top level Struct only; optional.
xmlStandAlone	Value of the standalone attribute in the <code><?xml ... ?></code> declaration	On top level Struct only; optional.
xmlDataType	Data type	<p>On Structs for attributes and attribute declarations, unless it is CDATA, which is the default.</p> <p>Set on elements, only if <code>/schema</code> is specified and the schema has defined a data type for it.</p> <div>  Note: During conversion from Struct to XML it is possible to influence the output format by setting <code>xmlDataType</code>, unless the schema dictates it. </div>
xmlTypeNamespace	Namespace of URI of a schema-defined data type	On attributes and elements when <code>/schema</code> is used and the schema has defined the data type with a namespace.
xmlTypeCategory	simple complex	On attributes and elements when <code>/schema</code> is used and the data type comes from a schema.
xmlAttrMode	#IMPLIED #REQUIRED #FIXED	On Structs for attribute list declarations
xmlPublicID	Formal Public Id used to identify the DTD	On Structs for DOCTYPE, entity declarations, and notation declarations
xmlSystemID	URI for the file containing the DTD	On Structs for DOCTYPE, entity declarations, and notation declarations
xmlNotation	Name of notation declaration	On Structs for unparsed external entity declaration

Namespace declarations also affect the annotations for elements and attributes. For more information, see [XML](#)

[Namespace Declaration.](#)

Related concepts

[Struct Annotations](#)

[xmlToStruct](#)

[structToXml](#)

[\\$tags](#)

[\\$istags](#)