Rocket Uniface Library 10.4

$tags

Get or set annotations for a Struct.

Struct `-> $tags`

Return Values

The value returned by `$tags` depends on whether *Struct* refers to a single Struct or to multiple Structs.

Table: Return Values

Return Value	When
Struct containing annotations	*Struct* refers to exactly one Struct.
Collection of references to the `$tags` of multiple Structs	*Struct* is a collection of references to multiple Structs
NULL	*Struct* does not refer to a Struct.

Table: Values of $procerror Commonly Returned Following Struct Functions

Value	Error Constant	Meaning
-84	UACTERR_NO_OBJECT	*Struct* refers to zero Structs
-1151	USTRUCTERR_NO_COMMON_CHARACTERISTICS	Collection of Structs that do not share a common parent or the specified characteristic
-1157	USTRUCTERR_ILLEGAL_MEMBER_TYPE	Not a valid Struct member type

Description

When a new Struct is created, a special child Struct is also created to hold annotations. In the string representation of the Struct returned by the `$dbgstring`, the `$tags` struct is visible as `[$tags]` beneath its parent Struct. For example:

```
[]
 [div]
 [$tags]
 [xmlClass] = element
 [class] = note
 [$tags]
 [xmlClass] = attribute
 Text can be bold
```

The annotation in the `$tags` Struct can be accessed using the `$tags` Struct function. For example:

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

Unlike normal Struct members, annotations have no specific position inside the Struct, and are therefore not counted, or treated as members of the Struct. This is in contrast to, for example, XML process instructions, which are treated as normal Struct members because their position in an XML document is relevant, even if they are not part of the document contents.

Annotations are specific to the format, so `componentToStruct` has different annotations than `xmlToStruct`.

When preparing Structs for conversion to another format, you can set the values of `$tags` to guide the conversion.

For more information, see the "Struct Annotations" topic.

Setting a Tag

The following code sets the `xmlClass` tag for a Struct to `element`:

```
vStruct->$tags->xmlClass="element"
```

Related concepts
> **Struct Annotations**
> **$istags**

Related tasks
> **Example: Tags Inheritance**