



Rocket Uniface Library 10.4

\$memberCount

Get the number of members in a Struct.

Struct -> **\$memberCount**

Return Values

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

Return Value	Meaning
0	Struct has no members
>=0	Number of members in the Struct.
1	Struct has 1 member, or Struct has 1 member and 1 scalar member that holds the value of the Struct itself (only applicable for mixed content).
-1	<i>Struct</i> refers to a collection of Structs, or is not a Struct

Table: Values of \$procerror Commonly Returned Following Struct Functions

Value	Error Constant	Meaning
-84	UACTERR_NO_OBJECT	<i>Struct</i> 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

The **\$memberCount** function is intended for use with a **struct** variable or parameter that refers to a single Struct.

The value returned by **\$memberCount** does not include annotations; these can be accessed using **\$tags**.

If *Struct* refers to more than one Struct, you can use the **\$collSize** function to get the number of Structs in the collection.

Check for Struct Nodes before Iterating

You can use **\$isLeaf** to check whether a member is a nested Struct, before using **\$membercount**. For example:

```
if (!vStruct->$isLeaf)  If vStruct refers to the node
                        of a nested Struct.
    i = 1
    while (i <= vStruct->$membercount)  Get the number of members in the node.
        putmess "Member %I have name %%(vStruct->{*i}->$name)"  Put the name of each member in the message
                                                                    frame.
        i = i + 1
    endwhile
endif
```

1. If vStruct refers to the node of a nested Struct.
2. Get the number of members in the node.
3. Put the name of each member in the message frame.

Related concepts

[\\$collSize](#)

[\\$tags](#)