Rocket software

Rocket Uniface Library 10.4

jsonToStruct

Convert a JSON text to a Struct.

`jsonToStruct` *StructTarget* `,` *JsonSource*

Example: `jsonToStruct vStruct, myjson.txt`

Parameters

Table: Parameters

Parameter	Data Type	Description
StructTarget	`struct` or `any`	Variable, parameter, or non-database field to hold the generated Struct.
JsonSource	`string`	JSON text to parse. It can be a string, variable, or field, or the name of a file containing the JSON text. The JSON text must begin with an opening bracket (`[`) or brace (`{`), optionally preceded by whitespace. If a file is specified, it must be Unicode-encoded. If this is not the case, use `fileload` to first read the file into a Uniface variable or field, and then provide it as the *JsonDocument* parameter.

Return Values

If the conversion was successful, a Struct representing the JSON text is returned in *StructTarget* (replacing the existing Struct it may have held).

Table: Values returned in `$status`

Value	Meaning
0	Conversion was successful.
<0	Conversion failed. `$procerror` contains the exact error.

Common Errors

Table: Values Commonly Returned by `$procerror` after `jsonToStruct`

Error Number	Error Constant	Meaning
-4	`IOSERR_OPEN_FAILURE`	The file specified by *JsonSource* could not be opened.

Error Number	Error Constant	Meaning
-13	UIOSERR_OS_COMMAND	The specified file name specified by *JsonDocument* is too long.
-1900	JSONERR_NO_CONTENT	Failed to load JSON string. Occurs if the contents of the file are empty or if no JSON string is available after stripping leading and trailing whitespace.
-1901	JSONERR_NO_TEXT	JSON text does not start with object or array. A JSON text must begin with { or [.
-1902	UJSONERR_PARSER	JSON parser returned an error. Additional information is provided by the parser in `$procErrorContext`. Non-fatal warnings about conditions that may be errors are returned in the `DETAIL` sublist of `$procReturnContext`. For example, JSON text should normally not have members with the same name in one object, but there may be valid reasons for doing this.

Use

Allowed in all component types.

Related concepts

Structs for JSON Data
structToJson
Transforming Complex Data Using Structs