

RTI_JSON Function

Description

The RTI_JSON function allows you to evaluate either a javascript function or a JSON (JavaScript Object Notation) expression. After passing in a javascript function or a JSON expression, you can invoke the function or evaluate the expression, and retrieve results.

Syntax

RTI_JSON(handle, action, param1, param2, param3)

Parameters

The function has the following parameters:

Parameter	Description
<i>Action = Parse:</i>	Handle: variable that will hold the created javascript or JSON object Param1: the javascript function or JSON expression Return value: 0 if successful, or OLE error code
<i>Action = GetValue:</i>	Handle: the variable that contains the previously-created javascript or JSON object Param1: the name of the variable whose value should be retrieved. This can be an array element (enclosed in square braces, ie, "[1]") if accessing an array object. Return value: the specified variable's value
<i>Action = SetValue:</i>	Handle: the variable that contains the previously-created javascript or JSON object Param1: the name of the variable whose value should be set. This can be an array element (enclosed in square braces, ie, "[1]") if accessing an array object. Param2: the value to which the variable should be set Param3: "1" if the value represents an object rather than a simple string Return value: 0 if successful, or OLE error code
<i>Action = Stringify:</i>	Handle: the variable that contains the previously-created javascript or JSON object Return value: the string representation of the JSON object
<i>Action = GetProperties:</i>	Handle: the variable that contains the previously-created javascript or JSON object Return value: @VM delimited list of the properties of the javascript or JSON object
<i>Action = GetMethods:</i>	Handle: the variable that contains the previously-created javascript or JSON object Return value: @VM delimited list of the methods of the javascript or JSON object
<i>Action = Eval:</i>	Handle: unused, pass in empty string ("") Param1: javascript source or JSON string Return value: the evaluated object
<i>Action = New:</i>	Handle: unused, pass in empty string ("") Param1: the type of variable to create. Valid types include "OBJECT" (for a generic object), "NUMBER", "STRING", "BOOLEAN", "DATE", "REGEXP", and "ARRAY" Param2: the initial value of the created variable Return value: the evaluated variable object

Example 1

```
myObject = RTI_JSON('', 'New', 'OBJECT') ; * generic object
myNumber = RTI_JSON('', 'New', 'Number', '21')
myString = RTI_JSON('', 'New', 'String', 'Hello World')
myBool = RTI_JSON('', 'New', 'Boolean', '1')
mydate = RTI_JSON('', 'New', 'Date', date(), time()) ; * javascript date object
myRegex = RTI_JSON('', 'New', 'REGEXP', "\bt[a-z]+\b") ; * regular expression
myArray = RTI_JSON('', 'New', 'ARRAY', '"A","B","C"')
x = Rti_JSON(MyArray, 'SetValue', '[3]', 'D')
v1 = Rti_JSON(MyArray, 'GetValue', '[0]') ;* v1 should now contain "A"
```

Example 2

```

* given the following JSON string:
{ "rti_table":"BOOKS", "id":"1021","BOOK_ID":"1021","TITLE":"China%20and%20the%20Manchus","AUTHOR":"Herbert%
20A.%20Giles",
"CHECK_OUT_DATE":"","RESERVED_BY":"","COMMENTS":"","CHECKED_OUT_BY":"","LAST_UPDATE_BY":"","
LAST_UPDATE_DATE":"","
"COVER_IMAGE":"","ISBN":"","BLERT":"","TM":"","COLUMN_13":"","COLUMN_14":"","COLUMN_15":"","COLUMN_16":"","
COLUMN_17":"","
"COLUMN_18":"","EMAIL_ADDRESS":"","PICTURE":"","DC":"E","ZZ1":"567","LISS":"","JW":"","COLUMN_25":"","
COLUMN_26":"","
"COLUMN_27":"","IS_AVAILABLE":"","COLUMN_29":"","DATETIMEWRITTEN":""}
oRec = RTI_JSON( jString, 'Parse')
table = RTI_JSON(oRec, 'GetValue', "rti_table")  ;* should return BOOKS
If table = '' Then
    Return ''
End
id  = RTI_JSON(oRec, 'GetValue', "id") ;* should return 1021

```

Example 3

```

myGrid = rti_json('','New', 'ARRAY') ;* create a new, empty array object
list = Get_Property(@window:'.GRID', 'LIST') ;* get the elements of a list
cnt = count(list, @fm) + ( list # '' )
k = 0
for i = 1 to cnt
    item = list<i,1>
    val = list<i,2>
    if item # '' then
        obj = rti_json('','New', 'STRING', val)    ;* create a new string object for each value
        x = rti_json(myGrid, 'SetObject', '[':k:']', obj, 1) ;* store it into the array
        k+=1
    end
end
next
myobj = rti_json('','New', 'OBJECT') ;* create a new empty object
x = rti_json(myobj,'SetObject', 'myGrid', myGrid, 1) ;* put the previously-created grid into the object
JString = rti_json(myobj, "Stringify") ;* return the JSON string

```