sailjson

Pure Powerbuilder script tool to parse json

sailjson is a none visual user object for powerbuilder. This demo writted in Powerbuilder 9.

You can free download sailjson and use it, but please keep the site address mark in script.

/*

Sailjson:from www.pblsoft.com

Please reserve this information

Version:2.2

Release date:2016-6-27

Fixed bug of read string which include "\".

Version:2.1

Release date:2016-1-9

Fixed bug to parse pure array like "[1,2,3,4]" json string.

Version:2.0

Release date:2016-1-1

Add function to parse array of string or number,not only the object

*/

sailjson provide follow functions to parse json data.

//the four function to parse json data and get values

public function string parse (string as_json)

public function integer getarray (string itemname, ref any va[])

public function boolean isarray (any value)

public function any getattribute (string itemname)

//this function to display json format in treeview

public subroutine buildtree (treeview atree, long handle, integer aobjectpcxidx, integer

aarraypcxidx, integer aitempcxidx)

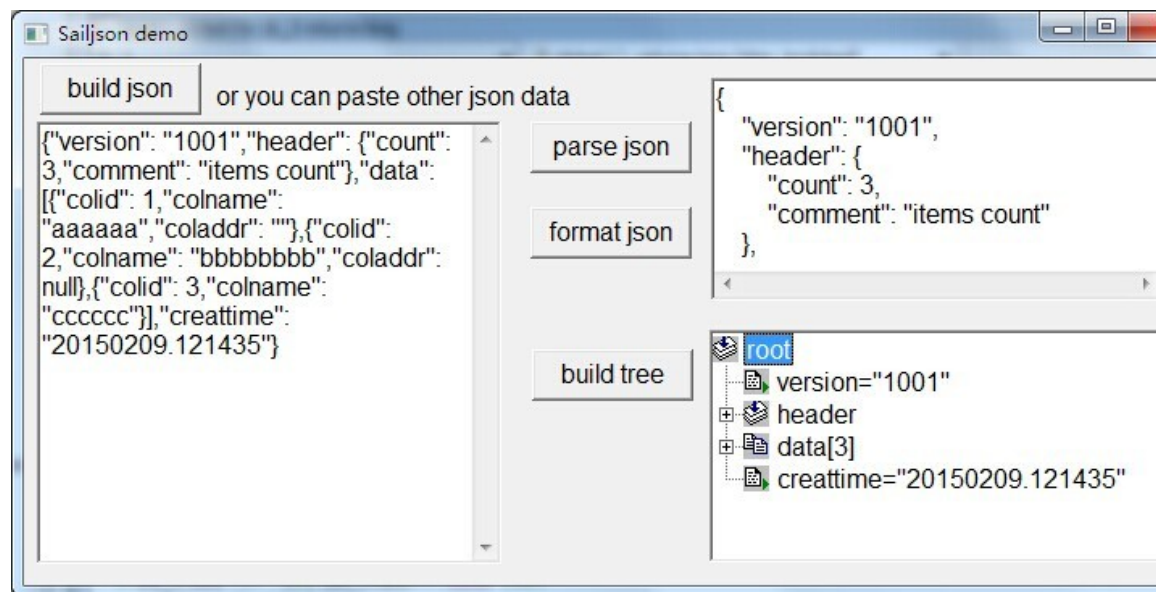//the four function modify json data structure and get json data

public subroutine setattribute (string as_name, any aa_value)

public function any addarrayitem (string arrayname)

public function any addobject (string objname)

public function string getformatjson (string ident) //if ident=", will get packed json data

Please down load the demo to see details using.

Example Scripts

Example json data:

```
{
    "version": "1001",
    "header": {
    "count": 3,
    "comment": "items count"
    },
    "data": [
    {
        "colid": 1,
        "colname": "aaaaaa",
        "coladdr": ""
    },
    {
        "colid": 2,
        "colname": "bbbbbbbb",
```

```
        "coladdr": null
    },
    {
        "colid": 3,
        "colname": "cccccc"
    }
    ],
    "creattime": "20150213.084829"
}
```

demo powerbuilder script to parse the json data:

```
//this demo script parse the json data

sailjson json, ljson

string ls_json, ls

ls_json = '{"version":"1001","header":{"count":3,"comment":"itemscount"},"data":
[{"colid":1,"colname":"aaaaaa","coladdr":""},
{"colid":2,"colname":"bbbbbbbb","coladdr":null},
{"colid":3,"colname":"cccccc"}],"creattime":"20150213.084829"}'


json = create sailjson


json.parse( ls_json )

//get version

ls = json.getattribute( 'version')

//get header, header is an object in json data

ljson = json.getattribute('header')

ls = string(ljson.getattribute('count'))

ls = ljson.getattribute('comment')


integer i,li_count

any larray[]
```

```
//get data, data is array of objects

li_count = json.getarray( 'data', larray)

for i = 1 to li_count

        ljson = larray[i]

        ls = string(ljson.getattribute( 'colid'))

        ls = ljson.getattribute( 'colname')

    if isnull(ljson.getattribute( 'coladdr') ) then

        ls = 'null'

    else

        ls = ljson.getattribute( 'coladdr')

    end if

next


ls = json.getattribute( 'createtime')

//to display json format in treeview

integer handle

handle = tv_1.insertitemfirst(0, 'root', 2)

json.buildtree( tv_1, handle, 2,3,1)

tv_1.expanditem( handle)

destroy json
```