Article

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JSONfile-to-Global #1

The similarity between JSON objects + arrays and Globals in IRIS or Caché is evident
With small and medium size JSON objects navigation across %Dynamic Objects is comfortable.
But with large and/or deep cascaded objects it becomes a challenge.

The presented tool offers 3 variants

- loading an already existing %Dyamic object or Array into a global of your choice
- loading a %Stream containing a JSON object into a global of your choice
- loading an external File containing a JSON object into a global of your choice

How to use it

```
USER>read str
{"id":306904,"last_star_ts":0,"completion_day_level":{},"global_score":0,"local_score
":0,"stars":0,"name":"name_1"}
USER>set jsn={}.%FromJSON(str)
USER>write ##class(rcc.jstog).toglobal(jsn,"^jsn")
1
USER>zwrite ^jsn
^jsn("global_score")=0
^jsn("id")=306904
^jsn("last_star_ts")=0
^jsn("local_score")=0
^jsn("name")="name_1"
^jsn("stars")=0

USER>zzjson jsn
{
  "id":306904,
  "last_star_ts":0,
  "completion_day_level":{
  },
  "global_score":0,
  "local_score":0,
  "stars":0,
  "name":"name_1"
}
USER>
```

from an already existing Stream, it's like this

```
USER>write ##class(rcc.jstog).stream(jsonstream,"^jsstr")
1
```

and from a file it is this method:

```
USER>set filename="/opt/irisbuild/src/data/demo.json"
USER>write ##class(rcc.jstog).file(filename)  ; using default gloabel ^jsom
1
USER>
```

File content

```
16 lines (16 sloc)   292 Bytes

 1   {
 2     "name": "GitHub",
 3     "version": "1.0.0",
 4     "description": "",
 5     "main": "index.js",
 6     "scripts": {
 7       "test": "echo \"Error: no test specified\" && exit 1"
 8     },
 9     "keywords": [],
10     "author": "",
11     "number": 123456,
12     "license": "ISC",
13     "dependencies": {
14       "websocket": "^1.0.34"
15     }
16   }
```

Global content

```
USER>zw ^json
^json("author")=""
^json("dependencies","websocket")="^1.0.34"
^json("description")=""
^json("license")="ISC"
^json("main")="index.js"
^json("name")="GitHub"
^json("number")=123456
^json("scripts","test")="echo ""Error: no test specified"" && exit 1"
^json("version")="1.0.0"

USER>
```

This might not look so spectacular.
But see and try the difference with a 6 MB sized JSON Object.

Video

GitHub

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Source URL:https://community.intersystems.com/post/jsonfile-global-1

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