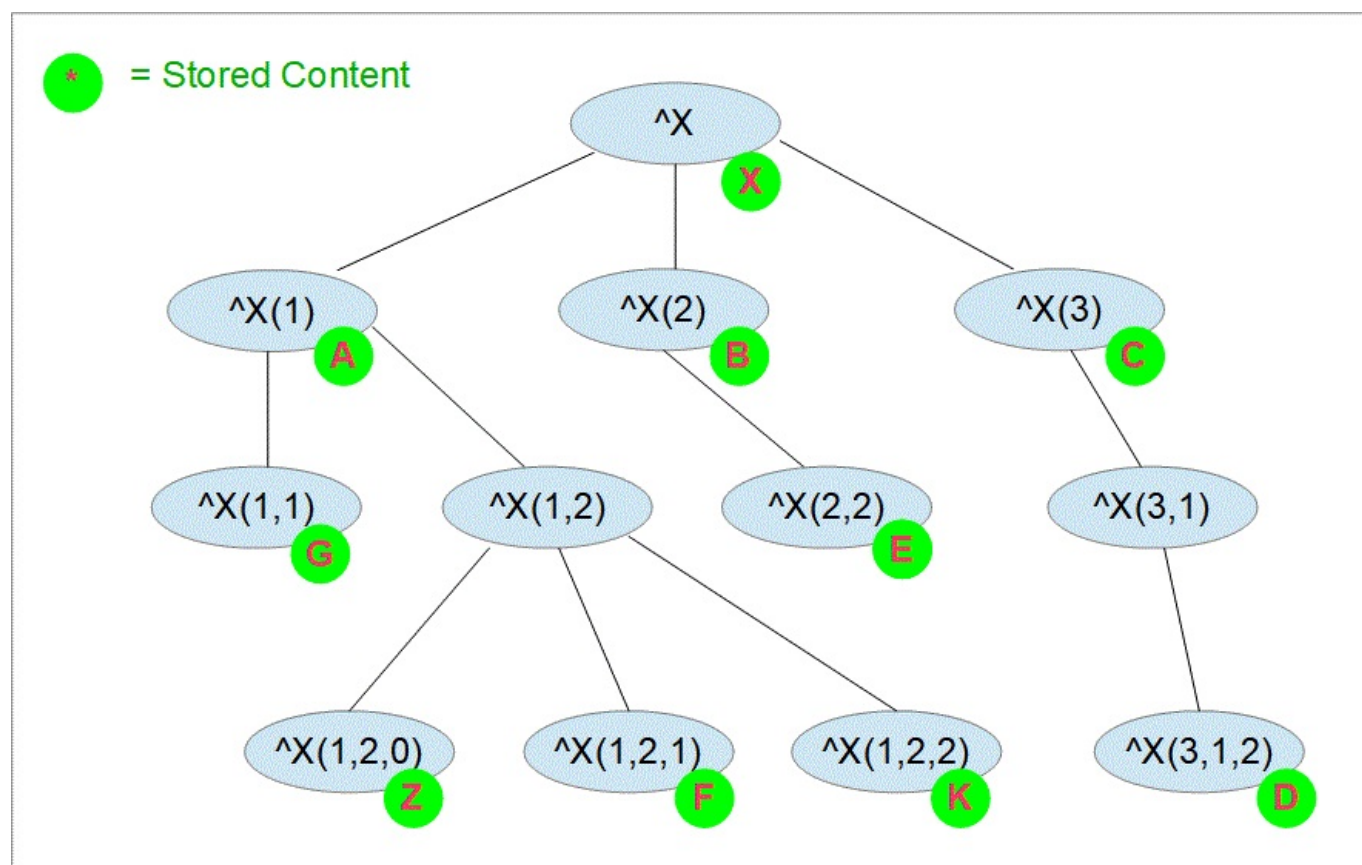Article

[Robert Cemper](#) · Jan 24, 2022 1m read

GlobalToJSON-Academic

I have created a package that offers a utility to load a Global into JSON object and reverse
to create a Global from this type of JSON object. *Academic* refers to the structure created.
Each logical node of the Global is presented separately with all its descendants.
Even if they don't contain any stored data.

The export of this Global

View global in namespace USER:

Global Search Mask:	^dc.MultiD		Display	Cancel

Search History:	^dc.MultiD ⌄ ⌃	Maximum Rows:	100	☐ Allow Edit

```
1:      ^dc.MultiD                        = 5
2:      ^dc.MultiD(1)                     = $lb("Braam,Ted Q.",51353)
3:      ^dc.MultiD(1,"mJSON")             = "{}"
4:      ^dc.MultiD(2)                     = $lb("Klingman,Uma C.",62459)
5:      ^dc.MultiD(2,2,"Multi","a")       = 1
6:      ^dc.MultiD(2,2,"Multi","rob",1)   = "rcc"
7:      ^dc.MultiD(2,2,"Multi","rob",2)   = 2222
8:      ^dc.MultiD(2,"Multi","a")         = 1
9:      ^dc.MultiD(2,"Multi","rob",1)     = "rcc"
10:     ^dc.MultiD(2,"Multi","rob",2)     = 2222
11:     ^dc.MultiD(2,"mJSON")             = "{""A"":""ahahah"",""Rob"":""VIP"",""Rob2"":1111,""Rob3"":true}"
12:     ^dc.MultiD(3)                     = $lb("Goldman,Kenny H.",45831)
13:     ^dc.MultiD(3,"mJSON")             = "{}"
14:     ^dc.MultiD(4)                     = $lb("","")
15:     ^dc.MultiD(4,"mJSON")             = "{""rcc"":122}"
16:     ^dc.MultiD(5)                     = $lb("","")
17:     ^dc.MultiD(5,"mJSON")             = "{}"
Total: 17 [End of global]
```

Generates a JSON object that covers all Global nodes

```
USER>write $$Do^ZPretty(json)
{
  "node":"^dc.MultiD",
  "val":"5",
  "sub":[
    {
      "node":"1",
      "val":"$lb(\"Braam,Ted Q.\",51353)",
      "sub":[
        {
          "node":"mJSON",
          "val":"{}"
        }
      ]
    },
    {
      "node":"2",
      "val":"$lb(\"Klingman,Uma C.\",62459)",
      "sub":[
        {
          "node":"2",
          "sub":[
            {
              "node":"Multi",
              "sub":[
                {
                  "node":"a",
                  "val":"1"
                },
                {
                  "node":"rob",
                  "sub":[
                    {
                      "node":"1",
                      "val":"rcc"
                    },
                    {
                      "node":"2",
                      "val":"2222"
                    }
                  ]
                }
              ]
            }
          ]
        },
        {
          "node":"Multi",
          "sub":[
            {
              "node":"a",
              "val":"1"
            },
            {
              "node":"rob",
              "sub":[
                {
                  "node":"1",
                  "val":"rcc"
                },
                {
                  "node":"2",
                  "val":"2222"
                }
              ]
            }
          ]
        },
        {
          "node":"mJSON",
          "val":"{\"A\":\"ahahah\",\"Rob\":\"VIP\",\"Rob2\":1111,\"Rob3\":true}"
        }
      ]
    },
    {
      "node":"3",
      "val":"$lb(\"Goldman,Kenny H.\",45831)",
      "sub":[
        {
          "node":"mJSON",
          "val":"{}"
        }
      ]
    },
    {
      "node":"4",
      "val":"$lb(\"\",\"\")",
      "sub":[
        {
          "node":"mJSON",
          "val":"{\"rcc\":122}"
        }
      ]
    },
    {
      "node":"5",
      "val":"$lb(\"\",\"\")",
      "sub":[
        {
          "node":"mJSON",
          "val":"{}"
        }
      ]
    }
  ]
}
USER>
```

And the related Loader creates exactly the same Global

[Online Demo Terminal](#)
[Online Demo SMP](#)

[Video](#)

[GitHub](#)

[#Globals](#) [#JSON](#) [#InterSystems IRIS](#)

Source URL:https://community.intersystems.com/post/globaltojson-academic