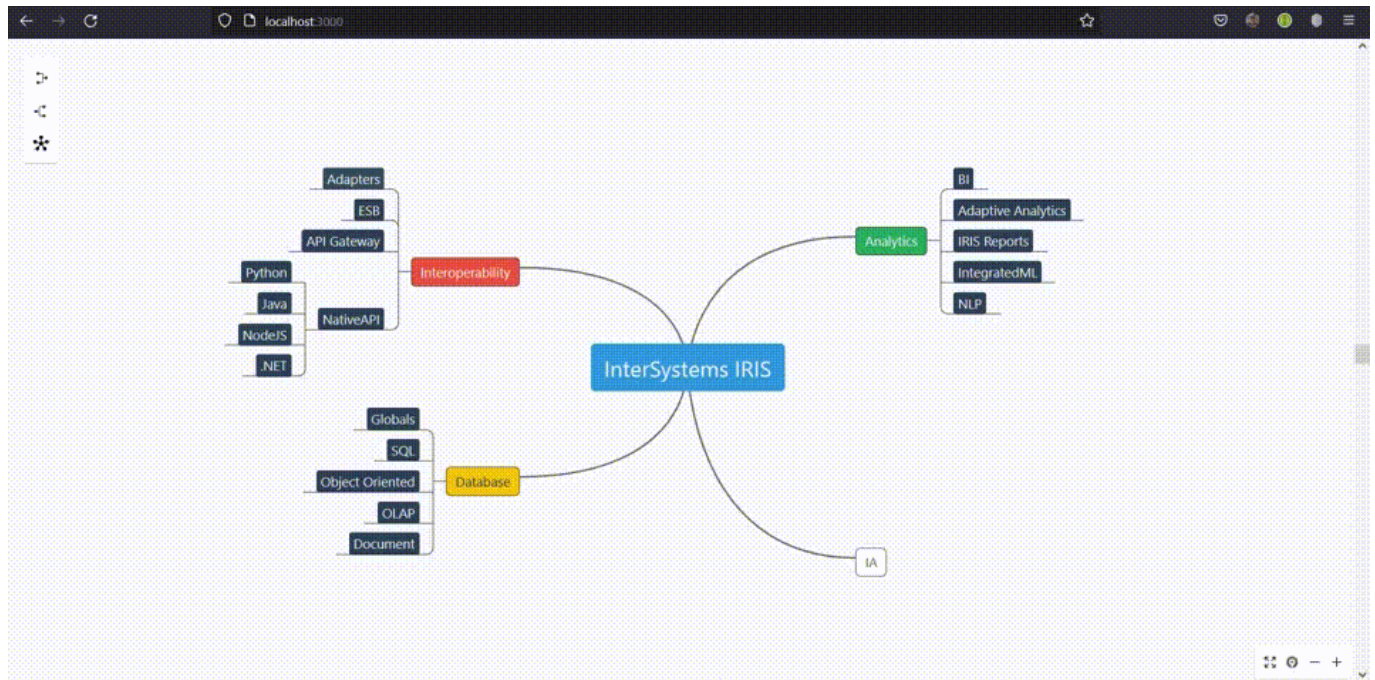


Article

[Yuri Marx](#) · Apr 4, 2022 12m read

[Open Exchange](#)

Store Mindmaps using Globals



Globals are the core of the InterSystems IRIS for data persistence. It is flexible, allowing store JSON documents, relational data, object oriented data, OLAP cubes and custom data models, like Mindmaps. To see how to store, delete and get mindmap data using globals, follow these steps:

1. Clone/git pull the repo into any local directory

```
$ git clone https://github.com/yurimarx/global-mindmap.git
```

2. Open a Docker terminal in this directory and run:

```
$ docker-compose build
```

3. Run the IRIS container:

```
$ docker-compose up -d
```

4. Go to <http://localhost:3000> to use the Mindmap frontend and create mindmaps like above mindmap.

The source code for this sample

Data to be stored (see more in: <https://www.npmjs.com/package/mind-elixir>):

```
{
  topic: 'node topic',
  id: 'bd1c24420cd2c2f5',
  style: { fontSize: '32', color: '#3298db', background: '#ecf0f1' },
  parent: null,
  tags: ['Tag'],
  icons: ['?'],
  hyperlink: 'https://github.com/ssshooter/mind-elixir-core',
}
```

Pay attention to the parent property, it is used to build parent/children relationships between mindmap nodes.

Source code to store mindmap node using global

ClassMethod StoreMindmapNode

It was created a global called ^mindmap. For each mindmap property it is stored in a global subscript. The subscript key is the mindmap id property.

Source Code to Delete Mindmap node - kill the global

ClassMethod DeleteMindmapNode

This sample used mindmap.id to be the mindmap global key, so to delete is easy: call Kill ^mindmap(<mindmap id>)

Source code to Get all content stored - Looping globals with \$ORDER

ClassMethod GetMindmap - return all mindmap global nodes

It was used \$Order(^mindmap("")) - empty "" - to get the first mindmap global occurrence (root node). For each property value it was used ^mindmap(Key,<property name>). Finally, it was called \$Order(^mindmap(Key)) to get the next occurrence.

Frontend

Mind-elixir and React were used for render and edit the mindmap, consuming API backend built using IRIS. See the mindmap react component:

Mindmap React component - consuming IRIS REST API

If you liked - vote in my app on Globals Contest. Thanks!

[#Globals #InterSystems IRIS](#)

[Check the related application on InterSystems Open Exchange](#)

Source URL: <https://community.intersystems.com/post/store-mindmaps-using-globals>