

IRIS-Docker-micro-Durability

Article

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IRIS-Docker-micro-Durability

During the development of a container-based demo I found the need to access a fresh docker instance of IRIS image (e.g intersystems/iris-community:2020.2.0.199.0) over and over. To bypass setting passwords and loading my code repeatedly I developed this workaround.

It is a reduced variant of [Docker - light weight durability](#)

I want

- passwords without the need to change
- my classes, routines, globals without repeated reload

The base facts:

- docker offers external volumes (eg. needed for the license)
- iris-main allows running scripts before IRIS starts

OK so far! I have a directory for external data in docker.

It contains

- an IRIS.DAT (with my code and my globals)
- an adapted iris.cpf
 - refers to my IRIS.DAT as Database, mount required at startup
 - replaces the DB for namespace USER to the new DB
 - maps routine ^%ZSTART also to the new DB
 - ^%ZSTART cleans the property for PasswordChange for some accounts
- a script to copy iris.cpf into my container

Once the script is executed

- IRIS starts
- ^%ZSTART is executed and I'm ready to work.

Important:

The external directory should allow **rwX** access (chmod 777) as the docker image is just a nobody to your local system. But it wants to write his iris.lck file

Shutdown requires no action as your DB is already outside the docker image located

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and next time you have a virgin IRIS **system** again with your USER DB unchanged.

You may say: It's dirty.

But I can confirm my development speed and fun was significantly increasing.

And a got rid of the boring acts with virgin container images.

How to use:

This is a coding example working on IRIS 2020.2
It will not be kept in sync with new versions
It is also **NOT** serviced by InterSystems **Support** !

Have a docker instance for IRIS >>> iris-community:2020.2.0.199.0

Download and untar the archiv [micro-durability.tar.gz](#)

chmod 777 to direcorey demo/

run your container:

```
docker run --name iris1 --init -it \  
-p 52773:52773 -p 51773:51773 \  
-v $(pwd):/external \  
--rm \  
intersystems/iris-community:2020.2.0.199.0 \  
-b /external/pre.copy
```

Late warning. always check the version of your image!

I just fell into intersystems/iris-community:2020.2.0.204.0

NOTICE: ALL SCRIPTS ARE FOR LINUX ONLY !

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