Article
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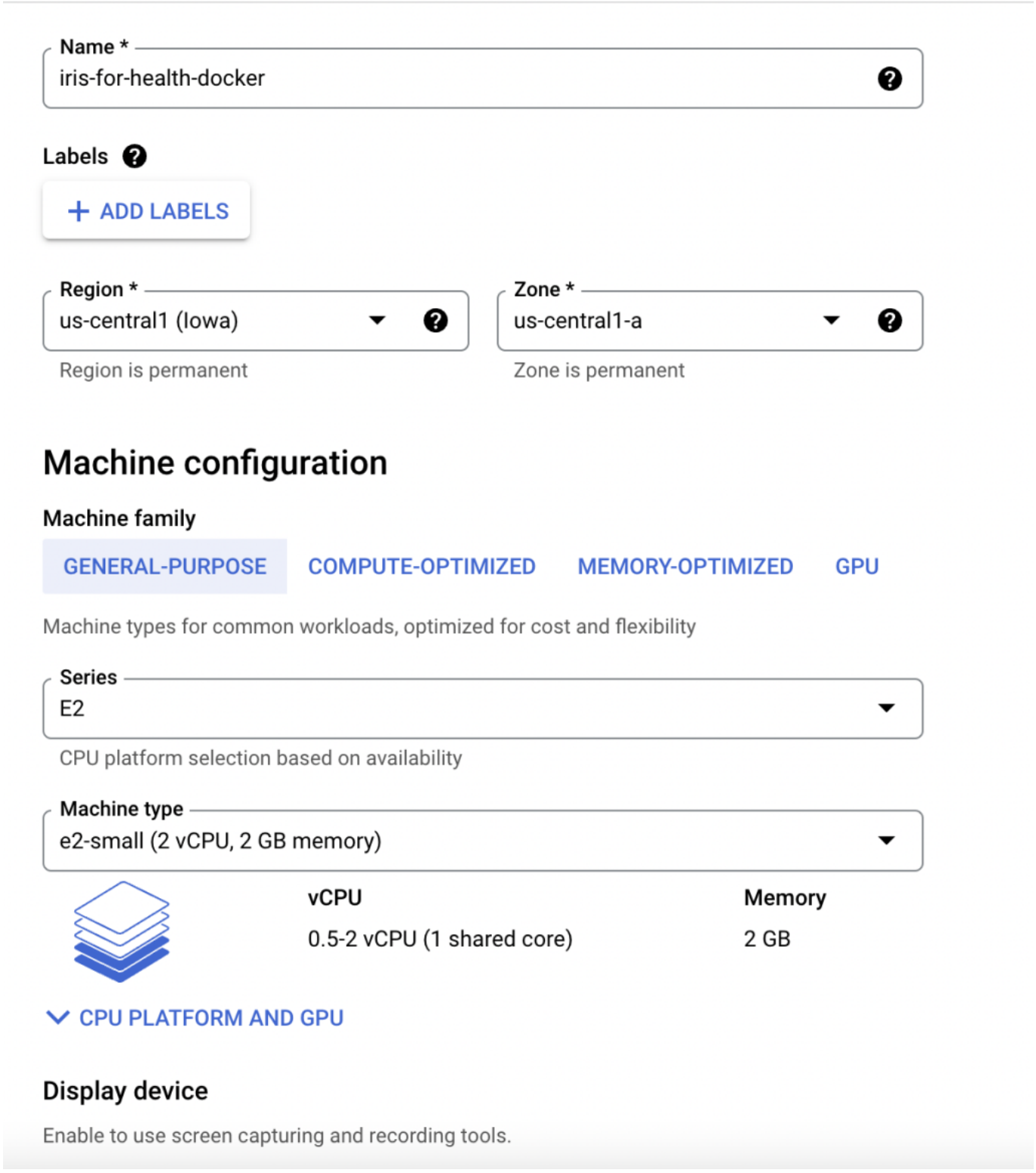
Open Exchange

Guide how to run and use IRIS for Health docker image in GCloud

Hi, I would like to tell you how easy it is to spin up IRIS for Health docker container in compute engine(VPS) in google cloud.

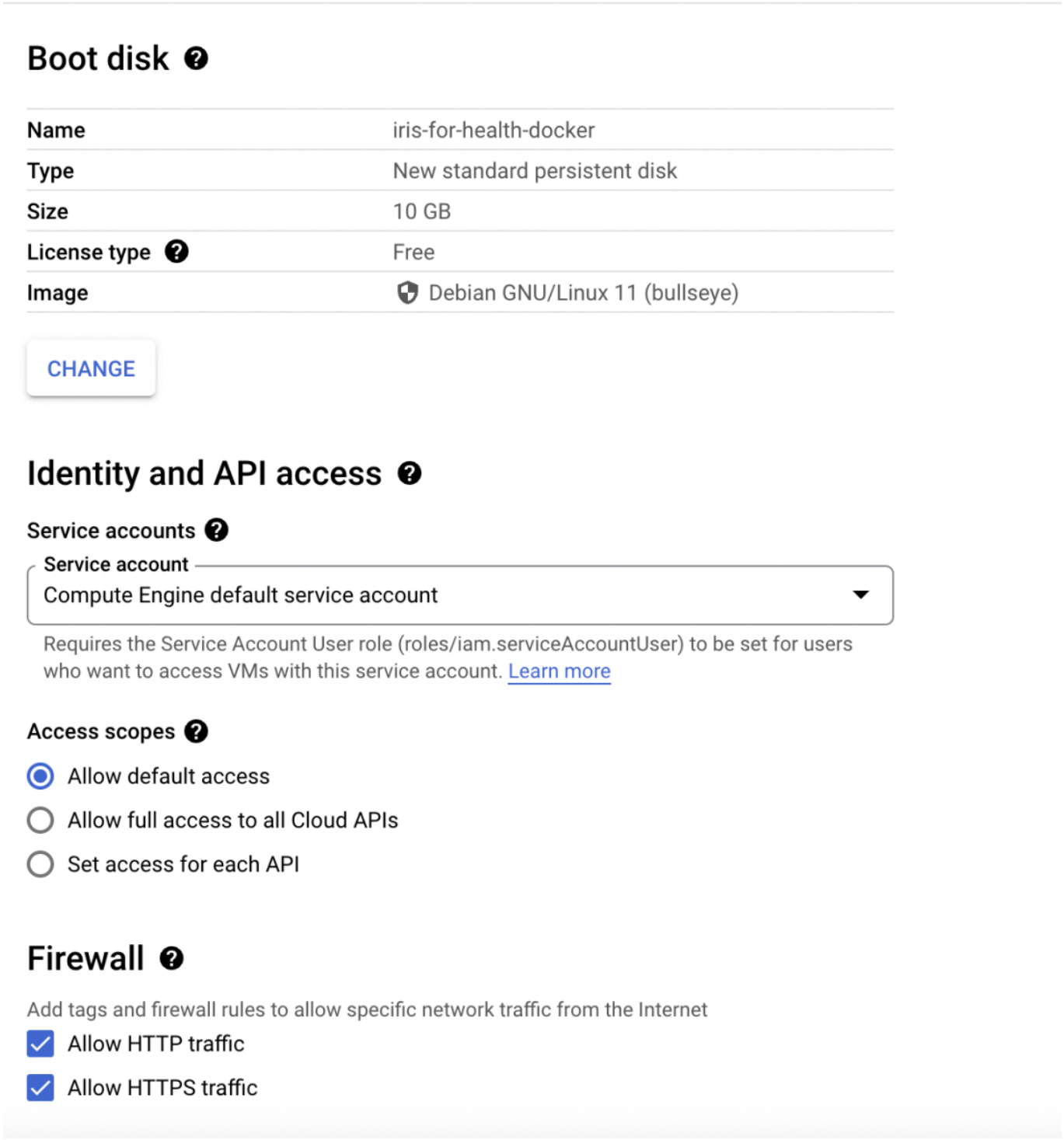
I know that to run IRIS for Health in AWS is pretty simple and straightforward, but I wanted to tried if its same easy in GCP environment.

Create vm instance. 2GB RAM is more than enough.



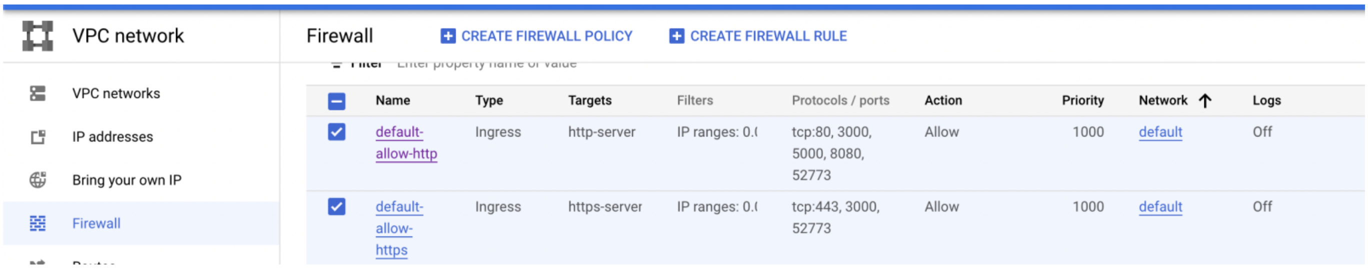
I used Debian 11 as Linux distro.

Standart persistent disk is cheaper.



Don ' t forget to allow http, https traffic

Last thing for setting up virtual machine is allow external ports in firewall rules.



I allow here only 52773 which is for web user interface. My Kotlin app will run on same vm and use 1972 internally, so I didn ' t allow it too.

Let ' s Install docker-compose then run IRIS:

sudo apt install docker-compose

sudo docker run --name iris -d --publish 1972:1972 --publish 52773:52773 containers.intersystems.com/intersystems/iris-community:2022.1.0.209.0 --check-caps false

I found that command in InterSystems documentation pages here:
https://docs.intersystems.com/irislatest/csp/docbook/DocBook.UI.Page.cls?KEY=ACLOUD

I only added 2 things:

1. " -d " after name of container " iris " which means run in detached mode. So container will still run on background after you close SSH shell.

2. " - -check-caps false " at the end. I immediately found it in this article which was very helpful.
https://community.intersystems.com/post/using-intersystems-iris-containers-docker-201014

```
[redacted]@iris-for-health-docker:~$ sudo docker run --name iris -d --publish 1972:1972 --publish 52773:52773 c
ontainers.intersystems.com/intersystems/iris-community:2022.1.0.209.0 --check-caps false
Unable to find image 'containers.intersystems.com/intersystems/iris-community:2022.1.0.209.0' locally
2022.1.0.209.0: Pulling from intersystems/iris-community
08c01a0ec47e: Pull complete
f88269600f2d: Downloading [============================================>      ]  212.5MB/229MB
e2e720c7d229: Download complete
9575f8200941: Downloading [========>                                          ]  72.98MB/437.7MB
7c9053886ee1: Download complete
2bc3734ecca3: Download complete
a9cc57efa4e0: Download complete
```

sudo docker ps

Container is up and running just with 1 command:

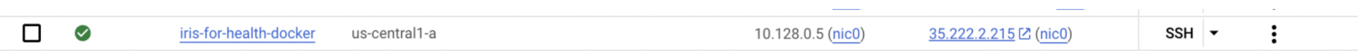
```
[redacted]@iris-for-health-docker:~$ sudo docker ps
CONTAINER ID   IMAGE                                                                  COMMAND                  CREATED         STATUS                   PORTS
                                          NAMES
f4be4d26b01b   containers.intersystems.com/intersystems/iris-community:2022.1.0.209.0   "/tini -- /iris-main…"   8 minutes ago   Up 8 minutes (healthy)   0.0.0.0:1972->1972/tcp, 2188/tcp, 5
3773/tcp, 0.0.0.0:52773->52773/tcp, 54773/tcp   iris
```

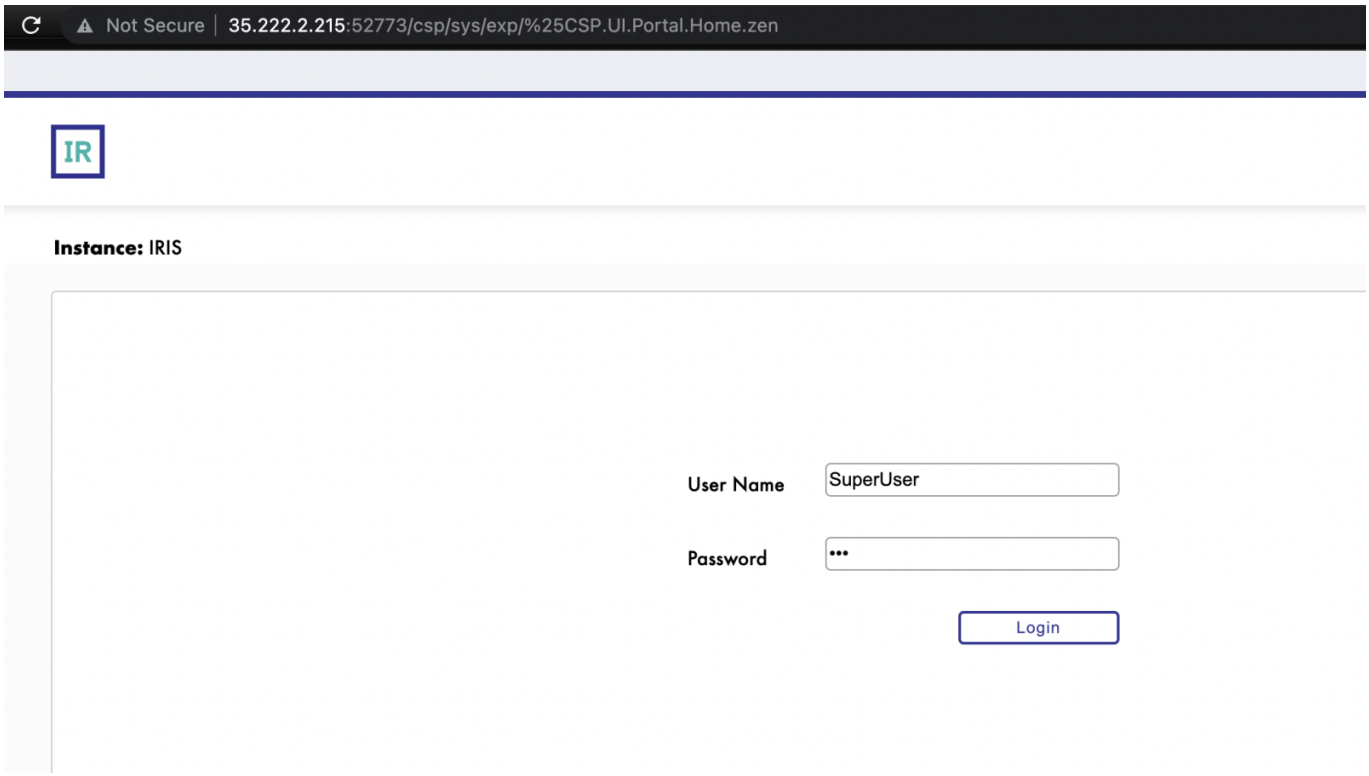
Now check UI in browser:

This link I found at Intersystems documentation pages:
https://docs.intersystems.com/irisforhealthlatest/csp/docbook/DocBook.UI.Page.cls?KEY=GSAUSINGPORTAL
http://35.222.2.215:52773/csp/sys/UtilHome.csp

35.222.2.215 is external ip of my Virtual machine.

52773 port we exposed with docker run command.

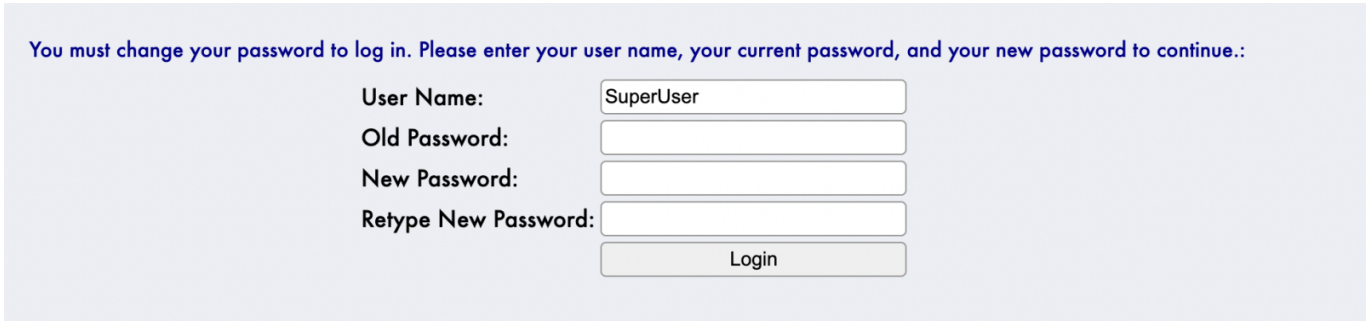




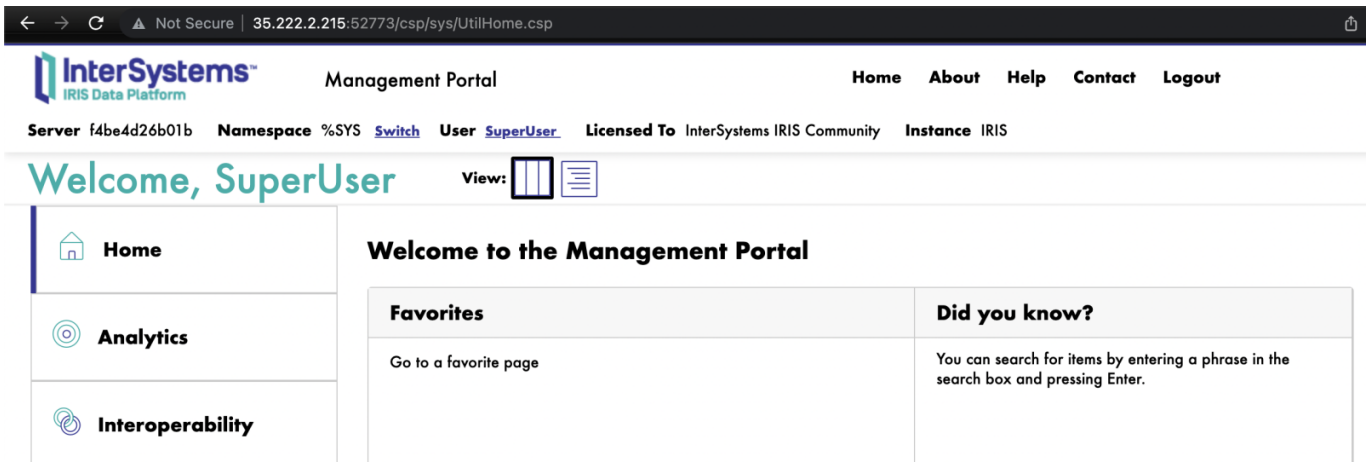
Default Login: SuperUser

Password: SYS

Now you have to change default password:



Congratulations, you are logged in:



ATTENTION: don't forget to delete VM instance, so you lose money on hosting.

Conclusion:

In this article I only covered how to run IRIS for Health community edition docker container in google cloud linux environment. Other part of my Kotlin/Intersystems journey will be in description of our project Dia Bro App. Please check it up and vote if you like the idea.

#Docker #InterSystems IRIS for Health
Check the related application on InterSystems Open Exchange

Source URL:https://community.intersystems.com/post/guide-how-run-and-use-iris-health-docker-image-gcloud